

Beaudoin, Jarett

From: Beaudoin, Jarett
Sent: Friday, August 15, 2025 10:58 AM
To: Wais, Ashley
Subject: Re: CDC Environmental Testing Results Associated with STEC O157 cases exposed to natural recreational water in Butte County, CA

Love that! And if they don't respond by Tuesday I'll ping them.

-Jarett

From: Wais, Ashley <AWais@buttecounty.net>
Sent: Friday, August 15, 2025 10:28 AM
To: Beaudoin, Jarett <JBeaudoin@buttecounty.net>
Subject: RE: CDC Environmental Testing Results Associated with STEC O157 cases exposed to natural recreational water in Butte County, CA

Hi!

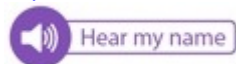
No, I have not – I was not sure how you wanted to proceed. I am happy to send an email and cc you!

I am assuming a meeting would be the easiest way to communicate all of this information to the State Water Board. My plan is to reach out and see if they can attend a meeting for further discussion. Does that sound ok to you?

Thank you,

Ashley Wais, MPH, CIC®

Epidemiologist
[BUTTE COUNTY PUBLIC HEALTH](#)
[202 Mira Loma Drive | Oroville, CA 95965](#)
T: [530-552-3950](#) | M: [530-300-4166](#)
<https://www.buttecounty.net/610/Public-Health>



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From: Beaudoin, Jarett <JBeaudoin@buttecounty.net>
Sent: Friday, August 15, 2025 10:24 AM
To: Wais, Ashley <AWais@buttecounty.net>

Subject: Fw: CDC Environmental Testing Results Associated with STEC O157 cases exposed to natural recreational water in Butte County, CA

Catching up on my emails. Did you email this gal already?

-Jarett

From: Mattioli, Mia Catharine (CDC/NCEZID/DFWED/WDPB) <kuk9@cdc.gov>

Sent: Monday, August 11, 2025 2:51 PM

To: Wais, Ashley <AWais@buttecounty.net>; Beaudoin, Jarett <JBeaudoin@buttecounty.net>

Subject: RE: CDC Environmental Testing Results Associated with STEC O157 cases exposed to natural recreational water in Butte County, CA

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Wonderful! I'm so glad you spoke with John. He's a good friend of mine and a wonderful resource for this work, as well as familiar with Lake Wildwood for context.

I also wanted to share that I heard back from my contact, and they recommended you all reach out to Rebecca Fitzgerald at the CA Water Board who is the head of their surface water program (rebecca@waterboards.ca.gov).

Hope your meeting goes well tomorrow and don't hesitate to reach out!

Mia

Mia Catharine Mattioli
Environmental Engineer
Centers for Disease Control and Prevention (CDC)
Department of Health and Human Services (HHS)
Office: (404) 718-5643

From: Wais, Ashley <AWais@buttecounty.net>

Sent: Monday, August 11, 2025 5:26 PM

To: Mattioli, Mia Catharine (CDC/NCEZID/DFWED/WDPB) <kuk9@cdc.gov>

Subject: RE: CDC Environmental Testing Results Associated with STEC O157 cases exposed to natural recreational water in Butte County, CA

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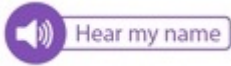
Hi Mia,

Thank you so much for all of your support and guidance . Your insight has been greatly appreciated and truly valued throughout this response. Dr. Beaudoin and I spoke with Dr. Griffith a few weeks ago, and he does seem like he would be an excellent resource as we move forward with the source investigation.

Thank you again!

Ashley Wais, MPH, CIC®
Epidemiologist

[BUTTE COUNTY PUBLIC HEALTH](#)
[202 Mira Loma Drive | Oroville, CA 95965](#)
T: [530-552-3950](#) | M: [530-300-4166](#)
<https://www.buttecounty.net/610/Public-Health>



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From: Mattioli, Mia Catharine (CDC/NCEZID/DFWED/WDPB) <kuk9@cdc.gov>

Sent: Monday, August 11, 2025 2:06 PM

To: McKeel, Haley (CDC/NCEZID/DFWED/EDLB) <hvw0@cdc.gov>; Lamba, Katherine@CDPH <Katherine.Lamba@cdph.ca.gov>; Miko, Shanna (CDC/NCEZID/DFWED/WDPB) <rhu6@cdc.gov>; Kahler, Amy (CDC/NCEZID/DFWED/WDPB) <ete1@cdc.gov>; Bond, Christian R@CDPH <Christian.Bond@cdph.ca.gov>; Parker, Thomas <TParker@buttecounty.net>; Beaudoin, Jarett <JBeaudoin@buttecounty.net>; Wais, Ashley <AWais@buttecounty.net>

Cc: Roundtree, Alexis V. (CDC/NCEZID/DFWED/WDPB) (CTR) <hj5@cdc.gov>; Kunz, Jasen M. (CDC/NCEZID/DFWED/WDPB) <izk0@cdc.gov>; Strockbine, Nancy (CDC/NCEZID/DFWED/EDLB) <nas6@cdc.gov>; PulseNet (CDC) <pulsenet@cdc.gov>; Stainken, Cameron (CDC cdph.ca.gov) <cameron.stainken@cdph.ca.gov>; MacGurn, Amanda (CDC/NCEZID/DFWED/WDPB) <wmh9@cdc.gov>

Subject: CDC Environmental Testing Results Associated with STEC O157 cases exposed to natural recreational water in Butte County, CA

Hi All,

Thank you for the great discussion today regarding the results from the environmental investigation associated with the *E. coli* O157:H7 rec water associated outbreak in Butte County, CA. Please see the attached report of the results.

Briefly, *E. coli* O157:H7 was cultured from the large-volume (DEUF) water and sediment samples collected from Sycamore Pool, Chico Creek Nature Center, and Five Mile Recreational Area. The *E. coli* O157:H7 environmental isolates were whole genome sequenced and genetically confirmed as Shiga toxin-producing *E. coli*, serotype O157:H7, positive for the *stx2a*, *stx2c*, *eae*, and *ehxA* genes. All isolates are closely related to the outbreak clinical isolates belonging to PulseNet cluster code [REDACTED] (i.e., within 0-2 alleles of each other by core genome multilocus sequence typing). Generic *E. coli* levels ranged from 6.3 to 137.4 most probable number (MPN) per 100 ml in water samples where cases were exposed and *E. coli* O157:H7 was detected (Sycamore Pool, CCNC, 5 Mile Rec Area).

The avian fecal marker was detected in all DEUF water and sediment samples. However, the goose-specific DNA marker was only detected from water and sediment at Horseshoe Lake where geese are reported to frequent. The ruminant fecal marker was detected in water from Sycamore Pool, CCNC, and Five Mile Rec Area, as well as from sediment at Five Mile Rec Area. However, the cow-specific fecal marker was not detected in any samples evaluated. Finally, the human fecal marker was also detected in water from Sycamore Pool, CCNC, and Five Mile Rec Area. As the water samples were collected starting downstream and moving upstream, these results suggest ongoing contamination flowing in the creek at the time of collection.

Per our discussion today, I've also attached the GA Dept of Natural Resource sign that was developed following a fatal *E. coli* O157:H7 case associated with an untreated recreational venue. I've also included a document that provides a

summary of signages used by jurisdictions across the US for your reference. As for the Water Quality Control Boards, my contact is left, but I'm still going to reach out to see who they would recommend. From their website, looks like the surface water monitoring program information for the region is provided [here](#), and facilitated through a wonderful group out of southern CA, the Southern California Coastal Water Research Project (SCCWRP). [John Griffith with SCCWRP](#) consulted on the Lake Wildwood follow-up work as well (they planned a monitoring research study, but the county decided not to support it moving forward).

Please let us know if you need any further support, and as mentioned, we'd be happy to review any communications materials if helpful.

Thanks again,

Mia

Mia Catharine Mattioli
Environmental Engineer
Centers for Disease Control and Prevention (CDC)
Department of Health and Human Services (HHS)
Office: (404) 718-5643

From: McKeel, Haley (CDC/NCEZID/DFWED/EDLB) <hvw0@cdc.gov>
Sent: Monday, August 11, 2025 1:23 PM
To: Lamba, Katherine@CDPH <Katherine.Lamba@cdph.ca.gov>; Miko, Shanna (CDC/NCEZID/DFWED/WDPB) <rhu6@cdc.gov>; Kahler, Amy (CDC/NCEZID/DFWED/WDPB) <ete1@cdc.gov>; Bond, Christian R@CDPH <Christian.Bond@cdph.ca.gov>; Mattioli, Mia Catharine (CDC/NCEZID/DFWED/WDPB) <kuk9@cdc.gov>; Parker, Thomas <TParker@buttecounty.net>; Beaudoin, Jarett <jbeaudoin@buttecounty.net>
Cc: Roundtree, Alexis V. (CDC/NCEZID/DFWED/WDPB) (CTR) <hzi5@cdc.gov>; Kunz, Jasen M. (CDC/NCEZID/DFWED/WDPB) <izk0@cdc.gov>; Strockbine, Nancy (CDC/NCEZID/DFWED/EDLB) <nas6@cdc.gov>; PulseNet (CDC) <pulsenet@cdc.gov>; Stainken, Cameron (CDC cdph.ca.gov) <cameron.stainken@cdph.ca.gov>; MacGurn, Amanda (CDC/NCEZID/DFWED/WDPB) <wmh9@cdc.gov>
Subject: RE: Consultation re: STEC O157 cases exposed to natural recreational water in Butte County, CA

Hi all,

I wanted to provide an update that the environmental isolates recovered from both water and sediment samples at each Sycamore Pool (including sediment collected 7/17), CCNC, and 5 Mile locations have now been confirmed as Shiga toxin-producing *Escherichia coli* O157:H7 and are positive for *stx2* genes.

An update from our PulseNet colleagues is the clinical isolates and these environmental isolates are related by WGS within 0-2 allele differences.

As previously mentioned, *E. coli* O157 was not isolated from any of the goose scat samples sent to CDC.

Sincerely,
Haley



Haley McKeel
Microbiologist
Centers for Disease Control and Prevention (CDC)
Department of Health and Human Services (HHS)
404-639-1612 (office)

From: Lamba, Katherine@CDPH <Katherine.Lamba@cdph.ca.gov>
Sent: Thursday, July 31, 2025 7:53 PM
To: McKeel, Haley (CDC/NCEZID/DFWED/EDLB) <hvw0@cdc.gov>; Miko, Shanna (CDC/NCEZID/DFWED/WDPB) <rhu6@cdc.gov>; Kahler, Amy (CDC/NCEZID/DFWED/WDPB) <ete1@cdc.gov>; Bond, Christian R@CDPH <Christian.Bond@cdph.ca.gov>; Mattioli, Mia Catharine (CDC/NCEZID/DFWED/WDPB) <kuk9@cdc.gov>; Parker, Thomas <TParker@buttecounty.net>; Beaudoin, Jarett <jbeaudoin@buttecounty.net>
Cc: Roundtree, Alexis V. (CDC/NCEZID/DFWED/WDPB) (CTR) <hzi5@cdc.gov>; Kunz, Jasen M. (CDC/NCEZID/DFWED/WDPB) <izk0@cdc.gov>; Strockbine, Nancy (CDC/NCEZID/DFWED/EDLB) <nas6@cdc.gov>; PulseNet (CDC) <pulsenet@cdc.gov>; Stainken, Cameron (CDC cdph.ca.gov) <cameron.stainken@cdph.ca.gov>; MacGurn, Amanda (CDC/NCEZID/DFWED/WDPB) <wmh9@cdc.gov>
Subject: RE: Consultation re: STEC O157 cases exposed to natural recreational water in Butte County, CA

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Hi all,

From: Haley (CDC/NCEZID/DFWED/EDLB) <hvw0@cdc.gov>
Sent: Wednesday, July 30, 2025 6:40 AM
To: Miko, Shanna (CDC/NCEZID/DFWED/WDPB) <rhu6@cdc.gov>; Lamba, Katherine@CDPH

<Katherine.Lamba@cdph.ca.gov>; Kahler, Amy (CDC/NCEZID/DFWED/WDPB) <ete1@cdc.gov>; Bond, Christian R@CDPH <Christian.Bond@cdph.ca.gov>; Hummadi, Omar@CDPH <Omar.Hummadi@cdph.ca.gov>; Kiang, David@CDPH <David.Kiang@cdph.ca.gov>; Mattioli, Mia Catharine (CDC/NCEZID/DFWED/WDPB) <kuk9@cdc.gov>; Parker, Thomas <TParker@buttecounty.net>; Beaudoin, Jarett <jbeaudoin@buttecounty.net>

Cc: Roundtree, Alexis V. (CDC/NCEZID/DFWED/WDPB) (CTR) <hzi5@cdc.gov>; Kunz, Jasen M.

(CDC/NCEZID/DFWED/WDPB) <izk0@cdc.gov>; Strockbine, Nancy (CDC/NCEZID/DFWED/EDLB) <nas6@cdc.gov>;

PulseNet (CDC) <pulsenet@cdc.gov>; Stainken, Cameron@CDPH <Cameron.Stainken@cdph.ca.gov>; MacGurn, Amanda

(CDC/NCEZID/DFWED/WDPB) <wmh9@cdc.gov>

Subject: RE: Consultation re: STEC O157 cases exposed to natural recreational water in Butte County, CA

Also adding @PulseNet (CDC) back to the thread for awareness. And good news - I did see all four clinical isolates on NCBI this morning. We'll be on the lookout for the shipment of goose scat samples today.

Many thanks,

Haley



Haley McKeel

Microbiologist

Centers for Disease Control and Prevention (CDC)

Department of Health and Human Services (HHS)

404-639-1612 (office)

From: Miko, Shanna (CDC/NCEZID/DFWED/WDPB) <rhu6@cdc.gov>

Sent: Wednesday, July 30, 2025 9:33 AM

To: Katherine.Lamba@cdph.ca.gov; Kahler, Amy (CDC/NCEZID/DFWED/WDPB) <ete1@cdc.gov>; McKeel, Haley (CDC/NCEZID/DFWED/EDLB) <hvw0@cdc.gov>; Christian.Bond@cdph.ca.gov; Omar.Hummadi@cdph.ca.gov; David.Kiang@cdph.ca.gov; Mattioli, Mia Catharine (CDC/NCEZID/DFWED/WDPB) <kuk9@cdc.gov>; Parker, Thomas <TParker@buttecounty.net>; Beaudoin, Jarett <jbeaudoin@buttecounty.net>; Miko, Shanna (CDC/NCEZID/DFWED/WDPB) <rhu6@cdc.gov>

Cc: Roundtree, Alexis V. (CDC/NCEZID/DFWED/WDPB) (CTR) <hzi5@cdc.gov>; Kunz, Jasen M.

(CDC/NCEZID/DFWED/WDPB) <izk0@cdc.gov>; Strockbine, Nancy (CDC/NCEZID/DFWED/EDLB) <nas6@cdc.gov>;

Stainken, Cameron (CDC cdph.ca.gov) <cameron.stainken@cdph.ca.gov>; MacGurn, Amanda

(CDC/NCEZID/DFWED/WDPB) <wmh9@cdc.gov>

Subject: RE: Consultation re: STEC O157 cases exposed to natural recreational water in Butte County, CA

Adding @Miko, Shanna (CDC/NCEZID/DFWED/WDPB) back to thread for outbreak coordination POC, I think I fell off when on leave.

From: Kunz, Jasen M. (CDC/NCEZID/DFWED/WDPB) <izk0@cdc.gov>

Sent: Tuesday, July 29, 2025 4:32 PM

To: Miko, Shanna (CDC/NCEZID/DFWED/WDPB) <rhu6@cdc.gov>

Subject: Fw: Consultation re: STEC O157 cases exposed to natural recreational water in Butte County, CA

Looks like your name was left off.

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From: Wais, Ashley <AWais@buttecounty.net>

Sent: Tuesday, July 29, 2025 3:32:05 PM

To:

Cc:

Subject: RE: Consultation re: STEC O157 cases exposed to natural recreational water in Butte County, CA

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Thank you Amy and CDC team for this update. We greatly appreciate the quick response! The goose scat samples should arrive at CDC tomorrow.

Thank you again,

Ashley Wais, MPH, CIC[®]

Epidemiologist

[BUTTE COUNTY PUBLIC HEALTH](#)

[202 Mira Loma Drive | Oroville, CA 95965](#)

T: [530-552-3950](#) | M: [530-300-4166](#)

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From: Lamba, Katherine@CDPH <Katherine.Lamba@cdph.ca.gov>

Sent: Tuesday, July 29, 2025 12:27 PM

To: Kahler, Amy (CDC/NCEZID/DFWED/WDPB) <ete1@cdc.gov>; McKeel, Haley (CDC/NCEZID/DFWED/EDLB) <hvw0@cdc.gov>; Wais, Ashley <AWais@buttecounty.net>; Bond, Christian R@CDPH <Christian.Bond@cdph.ca.gov>; Hummadi, Omar@CDPH <Omar.Hummadi@cdph.ca.gov>; Kiang, David@CDPH <David.Kiang@cdph.ca.gov>; Mattioli, Mia Catharine (CDC/NCEZID/DFWED/WDPB) <kuk9@cdc.gov>; Parker, Thomas <TParker@buttecounty.net>

Cc: Roundtree, Alexis V. (CDC/NCEZID/DFWED/WDPB) (CTR) <hzi5@cdc.gov>; Kunz, Jasen M. (CDC/NCEZID/DFWED/WDPB) <izk0@cdc.gov>; Strockbine, Nancy (CDC/NCEZID/DFWED/EDLB) <nas6@cdc.gov>; Stainken, Cameron@CDPH <Cameron.Stainken@cdph.ca.gov>

Subject: RE: Consultation re: STEC O157 cases exposed to natural recreational water in Butte County, CA

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Wow- BIG thank you to the CDC team for the support and the quick laboratory testing!

Quick update on CDPH end- the first 4 isolates sequenced have been given PulseNet cluster code [REDACTED] (no other isolates included in that cluster). Only 1 of the isolates ([REDACTED]) has shown up in NCBI so far and I've been in communication with PulseNet and our lab to sort out some submission/NCBI upload issues.

Kat

Katherine Lamba, MPH (she/her)

Confidential - Low

From: Kahler, Amy (CDC/NCEZID/DFWED/WDPB) <ete1@cdc.gov>
Sent: Tuesday, July 29, 2025 12:16 PM
To: McKeel, Haley (CDC/NCEZID/DFWED/EDLB) <hvw0@cdc.gov>; Wais, Ashley <AWais@buttecounty.net>; Bond, Christian R@CDPH <Christian.Bond@cdph.ca.gov>; Hummadi, Omar@CDPH <Omar.Hummadi@cdph.ca.gov>; Kiang, David@CDPH <David.Kiang@cdph.ca.gov>; Mattioli, Mia Catharine (CDC/NCEZID/DFWED/WDPB) <kuk9@cdc.gov>; Lamba, Katherine@CDPH <Katherine.Lamba@cdph.ca.gov>; Parker, Thomas <TParker@buttecounty.net>
Cc: Roundtree, Alexis V. (CDC/NCEZID/DFWED/WDPB) (CTR) <hzi5@cdc.gov>; Kunz, Jasen M. (CDC/NCEZID/DFWED/WDPB) <izk0@cdc.gov>; Strockbine, Nancy (CDC/NCEZID/DFWED/EDLB) <nas6@cdc.gov>; Stainken, Cameron@CDPH <Cameron.Stainken@cdph.ca.gov>
Subject: RE: Consultation re: STEC O157 cases exposed to natural recreational water in Butte County, CA

Hi all,

We wanted to provide a few updates on the progress of environmental testing at CDC. Samples arrived in great condition on Friday and we started processing ASAP. We have detected presumptive-positive O157 isolates that are stx1-negative and stx2-positive from the following sites/samples:

- Sycamore pool water and sediment collected 7/24. There are signs that the sediment collected on 7/17 may also be positive, but our work on those isolates is still pending.
- CCNC water and sediment samples.
- 5 Mile water and sediment samples.

No O157 was detected from the Horeshoe Lake and Alligator Hole sites. We have handed off the presumptive-positive isolates to the Enteric Disease Laboratory Branch for complete workup and confirmation of these preliminary results. We'll also be conducting microbial source tracking PCR for human, ruminant, and bird markers and will follow up with those results as soon as we have them.

Thanks all,
Amy

From: McKeel, Haley (CDC/NCEZID/DFWED/EDLB) <hvw0@cdc.gov>
Sent: Friday, July 25, 2025 9:47 PM
To: Wais, Ashley <AWais@buttecounty.net>; 'Bond, Christian R@CDPH' <Christian.Bond@cdph.ca.gov>; Hummadi, Omar@CDPH <Omar.Hummadi@cdph.ca.gov>; Kiang, David@CDPH <David.Kiang@cdph.ca.gov>; Mattioli, Mia Catharine (CDC/NCEZID/DFWED/WDPB) <kuk9@cdc.gov>; Lamba, Katherine@CDPH <Katherine.Lamba@cdph.ca.gov>; Parker, Thomas <TParker@buttecounty.net>
Cc: Kahler, Amy (CDC/NCEZID/DFWED/WDPB) <ete1@cdc.gov>; Roundtree, Alexis V. (CDC/NCEZID/DFWED/WDPB) (CTR) <hzi5@cdc.gov>; Kunz, Jasen M. (CDC/NCEZID/DFWED/WDPB) <izk0@cdc.gov>; Strockbine, Nancy (CDC/NCEZID/DFWED/EDLB) <nas6@cdc.gov>; Stainken, Cameron (CDC cdph.ca.gov) <cameron.stainken@cdph.ca.gov>
Subject: RE: Consultation re: STEC O157 cases exposed to natural recreational water in Butte County, CA

Hi Ashley,
Thank you for the update and apologies for the delay in responding as I was out of the office today. The Enteric Diseases Laboratory Branch at CDC has capacity to test the geese scat samples; although, the total number may depend on available resources.

The specimens can be shipped to CDC under test order [CDC-10106 | Enteric Isolation - Primary Specimen - Non-CLIA](#) at the following address:

Attn: Haley McKeel
Centers for Disease Control and Prevention
RDSB/STATT Unit 129
1600 Clifton Road, NE
Atlanta, GA 30329
404-639-1612

As a note, all samples must be shipped in accordance with all applicable local, state, and federal regulations. Please ship for next day arrival and include ice packs in the shipment to keep the specimens cool during transit. The CDC website has some additional information regarding packing and shipping specimens: [CDC Fact Sheet](#).

I've attached a copy of our global file accessioning template that will need to be returned by email ahead of the shipment's arrival at CDC. I've prepopulated several of the fields as well as hidden many of the columns to hopefully make it easier to complete. Please populate any relevant columns (including a unique specimen ID (Column BE) for each sample collected) on the Animal tab as well as the Submitter tab with the Butte County information. Any information about the collection sites that are unique between samples would be helpful to note either in the Comments field (column FC) or in the orange Field Collection section.

Please let me know if you have any questions. I'll be back in the office on Tuesday but will be monitoring emails periodically until then as well.

Sincerely,
Haley



Haley McKeel
Microbiologist
Centers for Disease Control and Prevention (CDC)
Department of Health and Human Services (HHS)
404-639-1612 (office)

From: Wais, Ashley <AWais@buttecounty.net>

Sent: Friday, July 25, 2025 2:31 PM

To: 'Bond, Christian R@CDPH' <Christian.Bond@cdph.ca.gov>; Hummadi, Omar@CDPH <Omar.Hummadi@cdph.ca.gov>; Kiang, David@CDPH <David.Kiang@cdph.ca.gov>; Mattioli, Mia Catharine (CDC/NCEZID/DFWED/WDPB) <kuk9@cdc.gov>; Lamba, Katherine@CDPH <Katherine.Lamba@cdph.ca.gov>; Parker, Thomas <TParker@buttecounty.net>; McKeel, Haley (CDC/NCEZID/DFWED/EDLB) <hvw0@cdc.gov>

Cc: Kahler, Amy (CDC/NCEZID/DFWED/WDPB) <ete1@cdc.gov>; Roundtree, Alexis V. (CDC/NCEZID/DFWED/WDPB) (CTR) <hzi5@cdc.gov>; Kunz, Jasen M. (CDC/NCEZID/DFWED/WDPB) <izk0@cdc.gov>; Stainken, Cameron (CDC cdph.ca.gov) <cameron.stainken@cdph.ca.gov>

Subject: RE: Consultation re: STEC O157 cases exposed to natural recreational water in Butte County, CA

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Hi all-

I spoke with Christian over the phone to discuss the goose scat sample testing. During our discussion, it was decided that it would be best to send the samples over to the CDC lab due to staffing issues at the CDPH lab. I also spoke with Mia and it seems like the CDC lab does have capacity to test those samples. We collected a total of 9 goose scat samples in Cary Blair Transport Medium.

CDC: Please share what location these samples should be shipped to and any other pertinent details (I am assuming these should be shipped with ice packs?). We were not planning on shipping until Monday.

Thank you all for your support with this endeavor. It is greatly appreciated.

Kindly,

Ashley Wais, MPH, CIC®

Epidemiologist

[BUTTE COUNTY PUBLIC HEALTH](#)

[202 Mira Loma Drive | Oroville, CA 95965](#)

T: [530-552-3950](#) | M: [530-300-4166](#)

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From: Bond, Christian R@CDPH <Christian.Bond@cdph.ca.gov>

Sent: Friday, July 25, 2025 10:57 AM

To: Wais, Ashley <AWais@buttecounty.net>; Hummadi, Omar@CDPH <Omar.Hummadi@cdph.ca.gov>; Kiang, David@CDPH <David.Kiang@cdph.ca.gov>; Mattioli, Mia Catharine (CDC/NCEZID/DFWED/WDPB) <kuk9@cdc.gov>; Lamba, Katherine@CDPH <Katherine.Lamba@cdph.ca.gov>; Parker, Thomas <TParker@buttecounty.net>; McKeel, Haley (CDC/NCEZID/DFWED/EDLB) <hvw0@cdc.gov>

Cc: Kahler, Amy (CDC/NCEZID/DFWED/WDPB) <ete1@cdc.gov>; Roundtree, Alexis V. (CDC/NCEZID/DFWED/WDPB) (CTR) <hzi5@cdc.gov>; Kunz, Jasen M. (CDC/NCEZID/DFWED/WDPB) <izk0@cdc.gov>; Stainken, Cameron@CDPH <Cameron.Stainken@cdph.ca.gov>

Subject: RE: Consultation re: STEC O157 cases exposed to natural recreational water in Butte County, CA

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Hi Ashley,

My team is extremely short-staffed next week due to other assignments, and we will not have personnel to receive samples on either Tuesday or Wednesday. Would it be possible to send a team member to handoff the samples to my team at a midpoint on Monday morning? Maybe somewhere in Yuba City or Marysville?

Christian Bond
Chief, Emergency Response Unit
California Department of Public Health
(916) 612-3625

Confidential - Low

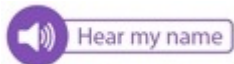
From: Wais, Ashley <AWais@buttecounty.net>
Sent: Friday, July 25, 2025 10:48 AM
To: Hummadi, Omar@CDPH <Omar.Hummadi@cdph.ca.gov>; Kiang, David@CDPH <David.Kiang@cdph.ca.gov>; Mattioli, Mia Catharine (CDC/NCEZID/DFWED/WDPB) <kuk9@cdc.gov>; Lamba, Katherine@CDPH <Katherine.Lamba@cdph.ca.gov>; Parker, Thomas <TParker@buttecounty.net>; McKeel, Haley (CDC/NCEZID/DFWED/EDLB) <hvw0@cdc.gov>
Cc: Kahler, Amy (CDC/NCEZID/DFWED/WDPB) <ete1@cdc.gov>; Roundtree, Alexis V. (CDC/NCEZID/DFWED/WDPB) (CTR) <hjz5@cdc.gov>; Kunz, Jasen M. (CDC/NCEZID/DFWED/WDPB) <izk0@cdc.gov>; Stainken, Cameron@CDPH <Cameron.Stainken@cdph.ca.gov>; Bond, Christian R@CDPH <Christian.Bond@cdph.ca.gov>
Subject: Re: Consultation re: STEC O157 cases exposed to natural recreational water in Butte County, CA

You don't often get email from awais@buttecounty.net. [Learn why this is important](#)

Hi Omar,
Thank you for the update. We do not plan to ship until Monday. I will let our lab know we are waiting for more details from CDPH regarding shipping method.

Thank you,

Ashley Wais, MPH, CIC®
Epidemiologist
[BUTTE COUNTY PUBLIC HEALTH](#)
[202 Mira Loma Drive | Oroville, CA 95965](#)
T: [530-552-3950](tel:530-552-3950) | M: [530-300-4166](tel:530-300-4166)
<https://www.buttecounty.net/610/Public-Health>



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From: Hummadi, Omar@CDPH <Omar.Hummadi@cdph.ca.gov>

Sent: Friday, July 25, 2025 10:26 AM

To: Wais, Ashley <AWais@buttecounty.net>; Kiang, David@CDPH <David.Kiang@cdph.ca.gov>; Mattioli, Mia Catharine (CDC/NCEZID/DFWED/WDPB) <kuk9@cdc.gov>; Lamba, Katherine@CDPH <Katherine.Lamba@cdph.ca.gov>; Parker, Thomas <TParker@buttecounty.net>; McKeel, Haley (CDC/NCEZID/DFWED/EDLB) <hvw0@cdc.gov>

Cc: Kahler, Amy (CDC/NCEZID/DFWED/WDPB) <ete1@cdc.gov>; Roundtree, Alexis V. (CDC/NCEZID/DFWED/WDPB) (CTR) <hjz5@cdc.gov>; Kunz, Jasen M. (CDC/NCEZID/DFWED/WDPB) <izk0@cdc.gov>; Stainken, Cameron@CDPH <Cameron.Stainken@cdph.ca.gov>; Bond, Christian R@CDPH <Christian.Bond@cdph.ca.gov>

Subject: RE: Consultation re: STEC O157 cases exposed to natural recreational water in Butte County, CA

ATTENTION: This message originated from outside **Butte County**. Please exercise judgment before opening attachments, clicking on links, or replying.

Hi Ashley,

You are welcome! Please hold off on shipping the samples until I get a confirmation from Christian bond regarding the sample's delivery method.

Yes, ship the samples with ice packs and Butte County PHL chain of custody forms it's perfectly fine 👍

Regards,

Omar Hummadi
Senior Environmental Scientist Specialist
CDPH - FDB - ERU

Confidential - Low

From: Wais, Ashley <AWais@buttecounty.net>

Sent: Friday, July 25, 2025 10:05 AM

To: Hummadi, Omar@CDPH <Omar.Hummadi@cdph.ca.gov>; Kiang, David@CDPH <David.Kiang@cdph.ca.gov>; Mattioli, Mia Catharine (CDC/NCEZID/DFWED/WDPB) <kuk9@cdc.gov>; Lamba, Katherine@CDPH <Katherine.Lamba@cdph.ca.gov>; Parker, Thomas <TParker@buttecounty.net>; McKeel, Haley (CDC/NCEZID/DFWED/EDLB) <hvw0@cdc.gov>

Cc: Kahler, Amy (CDC/NCEZID/DFWED/WDPB) <ete1@cdc.gov>; Roundtree, Alexis V. (CDC/NCEZID/DFWED/WDPB) (CTR) <hjz5@cdc.gov>; Kunz, Jasen M. (CDC/NCEZID/DFWED/WDPB) <izk0@cdc.gov>; Stainken, Cameron@CDPH <Cameron.Stainken@cdph.ca.gov>; Bond, Christian R@CDPH <Christian.Bond@cdph.ca.gov>

Subject: RE: Consultation re: STEC O157 cases exposed to natural recreational water in Butte County, CA

Hi Omar,

Thank you for the update. Should the shipment be on ice packs? Is there any other details we should be aware of? Butte County PHL has their own chain of custody forms. Is it ok to use those?

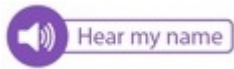
Thank you,

Ashley Wais, MPH, CIC®

Epidemiologist

[BUTTE COUNTY PUBLIC HEALTH](#)
[202 Mira Loma Drive | Oroville, CA 95965](#)

T: [530-552-3950](tel:530-552-3950) | M: [530-300-4166](tel:530-300-4166)



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From: Hummadi, Omar@CDPH <Omar.Hummadi@cdph.ca.gov>

Sent: Friday, July 25, 2025 7:27 AM

To: Wais, Ashley <AWais@buttecounty.net>; Kiang, David@CDPH <David.Kiang@cdph.ca.gov>; Mattioli, Mia Catharine (CDC/NCEZID/DFWED/WDPB) <kuk9@cdc.gov>; Lamba, Katherine@CDPH <Katherine.Lamba@cdph.ca.gov>; Parker, Thomas <TParker@buttecounty.net>; McKeel, Haley (CDC/NCEZID/DFWED/EDLB) <hvw0@cdc.gov>

Cc: Kahler, Amy (CDC/NCEZID/DFWED/WDPB) <ete1@cdc.gov>; Roundtree, Alexis V. (CDC/NCEZID/DFWED/WDPB) (CTR) <hzy5@cdc.gov>; Kunz, Jasen M. (CDC/NCEZID/DFWED/WDPB) <izk0@cdc.gov>; Stainken, Cameron@CDPH <Cameron.Stainken@cdph.ca.gov>; Bond, Christian R@CDPH <Christian.Bond@cdph.ca.gov>

Subject: RE: Consultation re: STEC O157 cases exposed to natural recreational water in Butte County, CA

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Good morning, everyone!

Ashley - Ship the samples to Christian Bond at:

California Department of Public Health
Food and Drug Branch
1500 Capitol Ave MS 7602
Sacramento, CA, 95814

Note: Please make sure to include all the chain of custody forms/documents.

Happy Friday!

Regards,

Omar Hummadi
Senior Environmental Scientist
Foodborne Illness Outbreak Specialist
Desk Phone: 916-319-9661
Cell phone: 916-591-1374
Fax number: 916-636-6013
E-mail: Omar.Hummadi@cdph.ca.gov

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From: Wais, Ashley <AWais@buttecounty.net>

Sent: Friday, July 25, 2025 7:04 AM

To: Kiang, David@CDPH <David.Kiang@cdph.ca.gov>; Mattioli, Mia Catharine (CDC/NCEZID/DFWED/WDPB) <kuk9@cdc.gov>; Lamba, Katherine@CDPH <Katherine.Lamba@cdph.ca.gov>; Parker, Thomas <TParker@buttecounty.net>; McKeel, Haley (CDC/NCEZID/DFWED/EDLB) <hvw0@cdc.gov>; Hummadi, Omar@CDPH <Omar.Hummadi@cdph.ca.gov>

Cc: Kahler, Amy (CDC/NCEZID/DFWED/WDPB) <ete1@cdc.gov>; Roundtree, Alexis V. (CDC/NCEZID/DFWED/WDPB) (CTR) <hzi5@cdc.gov>; Kunz, Jasen M. (CDC/NCEZID/DFWED/WDPB) <izk0@cdc.gov>; Stainken, Cameron@CDPH <Cameron.Stainken@cdph.ca.gov>; Bond, Christian R@CDPH <Christian.Bond@cdph.ca.gov>

Subject: Re: Consultation re: STEC O157 cases exposed to natural recreational water in Butte County, CA

Hi Dr. Kiang,

Thank you for this update. We collected goose scat in the tubes with Cary Blair. We should have no more than 10 samples. What is the process for sending to CDPH? Do you usually receive shipments from our Butte County PHL. I just wanted to check in case there is already a process in place we can use.

Thank you,

Ashley Wais, MPH, CIC®

Epidemiologist

[BUTTE COUNTY PUBLIC HEALTH](#)

[202 Mira Loma Drive | Oroville, CA 95965](#)

T: [530-552-3950](tel:530-552-3950) | M: [530-300-4166](tel:530-300-4166)

<https://www.buttecounty.net/610/Public-Health>



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From: Kiang, David@CDPH <David.Kiang@cdph.ca.gov>

Sent: Thursday, July 24, 2025 5:40 PM

To: Mattioli, Mia Catharine (CDC/NCEZID/DFWED/WDPB) <kuk9@cdc.gov>; Lamba, Katherine@CDPH <Katherine.Lamba@cdph.ca.gov>; Wais, Ashley <AWais@buttecounty.net>; Parker, Thomas <TParker@buttecounty.net>; McKeel, Haley (CDC/NCEZID/DFWED/EDLB) <hvw0@cdc.gov>; Hummadi, Omar@CDPH <Omar.Hummadi@cdph.ca.gov>

Cc: Kahler, Amy (CDC/NCEZID/DFWED/WDPB) <ete1@cdc.gov>; Roundtree, Alexis V. (CDC/NCEZID/DFWED/WDPB) (CTR) <hzi5@cdc.gov>; Kunz, Jasen M. (CDC/NCEZID/DFWED/WDPB) <izk0@cdc.gov>; Stainken, Cameron@CDPH

<Cameron.Stainken@cdph.ca.gov>; Bond, Christian R@CDPH <Christian.Bond@cdph.ca.gov>; Kiang, David@CDPH <David.Kiang@cdph.ca.gov>

Subject: RE: Consultation re: STEC O157 cases exposed to natural recreational water in Butte County, CA

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Hi Mia,

If they don't have bags, the preference is to collect them as is in the 50 ml conicals. If they're already collected in Cary Blair, It's fine, we can still take them.

Thanks,
David

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From: Mattioli, Mia Catharine (CDC/NCEZID/DFWED/WDPB) <kuk9@cdc.gov>

Sent: Thursday, July 24, 2025 12:35 PM

To: Kiang, David@CDPH <David.Kiang@cdph.ca.gov>; Lamba, Katherine@CDPH <Katherine.Lamba@cdph.ca.gov>; Wais, Ashley <AWais@buttecounty.net>; Parker, Thomas <TParker@buttecounty.net>; McKeel, Haley (CDC/NCEZID/DFWED/EDLB) <hvw0@cdc.gov>; Hummadi, Omar@CDPH <Omar.Hummadi@cdph.ca.gov>

Cc: Kahler, Amy (CDC/NCEZID/DFWED/WDPB) <ete1@cdc.gov>; Roundtree, Alexis V. (CDC/NCEZID/DFWED/WDPB) (CTR) <hjz5@cdc.gov>; Kunz, Jasen M. (CDC/NCEZID/DFWED/WDPB) <izk0@cdc.gov>; Stainken, Cameron@CDPH <Cameron.Stainken@cdph.ca.gov>; Bond, Christian R@CDPH <Christian.Bond@cdph.ca.gov>; Kiang, David@CDPH <David.Kiang@cdph.ca.gov>

Subject: Re: Consultation re: STEC O157 cases exposed to natural recreational water in Butte County, CA

Hi David,

Thanks so much. Unfortunately, the team doesn't have the bags and snips with them in the field. Will you accept them in Cary Blair? If not, they can send the CDC enterics lab.

Thanks!

Mia

Mia Catharine Mattioli
Environmental Engineer
Centers for Disease Control and Prevention (CDC)
Department of Health and Human Services (HHS)
Office: 404-718-5643

From: Kiang, David@CDPH <David.Kiang@cdph.ca.gov>

Sent: Thursday, July 24, 2025 2:51:14 PM

To: Lamba, Katherine@CDPH <Katherine.Lamba@cdph.ca.gov>; Mattioli, Mia Catharine (CDC/NCEZID/DFWED/WDPB) <kuk9@cdc.gov>; Wais, Ashley <AWais@buttecounty.net>; Parker, Thomas <TParker@buttecounty.net>; McKeel, Haley (CDC/NCEZID/DFWED/EDLB) <hvw0@cdc.gov>; Hummadi, Omar@CDPH <Omar.Hummadi@cdph.ca.gov>

Cc: Kahler, Amy (CDC/NCEZID/DFWED/WDPB) <ete1@cdc.gov>; Roundtree, Alexis V. (CDC/NCEZID/DFWED/WDPB) (CTR) <hzi5@cdc.gov>; Kunz, Jasen M. (CDC/NCEZID/DFWED/WDPB) <izk0@cdc.gov>; Stainken, Cameron (CDC cdpH.ca.gov) <cameron.stainken@cdph.ca.gov>; Bond, Christian R@CDPH <Christian.Bond@cdph.ca.gov>; Kiang, David@CDPH <David.Kiang@cdph.ca.gov>

Subject: RE: Consultation re: STEC O157 cases exposed to natural recreational water in Butte County, CA

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Hi Kat,

We'd recommend collecting the scat directly into the Whirl-Pak bags using sterile scoops or spatulas as outlined by Omar in the email below and transporting to the FDB on ice packs. We prefer not to have them transported in Cary Blair.

Thanks,
David

David Kiang, PH.D.
Microbiology Section Chief
Food and Drug Laboratory Branch
California Department of Public Health
850 Marina Bay Parkway, G365
Richmond, CA 94804
(510) 412-3963
david.kiang@cdph.ca.gov



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From: Lamba, Katherine@CDPH <Katherine.Lamba@cdph.ca.gov>
Sent: Thursday, July 24, 2025 11:38 AM
To: Mattioli, Mia Catharine (CDC/NCEZID/DFWED/WDPB) <kuk9@cdc.gov>; Wais, Ashley <AWais@buttecounty.net>; Parker, Thomas <TParker@buttecounty.net>; McKeel, Haley (CDC/NCEZID/DFWED/EDLB) <hvw0@cdc.gov>; Hummadi, Omar@CDPH <Omar.Hummadi@cdph.ca.gov>; Kiang, David@CDPH <David.Kiang@cdph.ca.gov>
Cc: Kahler, Amy (CDC/NCEZID/DFWED/WDPB) <ete1@cdc.gov>; Roundtree, Alexis V. (CDC/NCEZID/DFWED/WDPB) (CTR) <hzi5@cdc.gov>; Kunz, Jasen M. (CDC/NCEZID/DFWED/WDPB) <izk0@cdc.gov>; Stainken, Cameron@CDPH <Cameron.Stainken@cdph.ca.gov>; Bond, Christian R@CDPH <Christian.Bond@cdph.ca.gov>
Subject: RE: Consultation re: STEC O157 cases exposed to natural recreational water in Butte County, CA

Hi Mia,

We have some folks out of the office today, so including @Hummadi, Omar@CDPH and @Kiang, David (CDPH-PS-DFDRS-FDLB) from Food and Drug and Food and Drug lab directly to advise which of the containers below for goose scat testing.

Kat

Katherine Lamba, MPH (she/her)
California Department of Public Health
Phone: 510-620-3429 | Email: Katherine.Lamba@cdph.ca.gov

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From: Mattioli, Mia Catharine (CDC/NCEZID/DFWED/WDPB) <kuk9@cdc.gov>
Sent: Thursday, July 24, 2025 11:30 AM
To: Lamba, Katherine@CDPH <Katherine.Lamba@cdph.ca.gov>; Wais, Ashley <AWais@buttecounty.net>; Parker, Thomas <TParker@buttecounty.net>; McKeel, Haley (CDC/NCEZID/DFWED/EDLB) <hvw0@cdc.gov>
Cc: Kahler, Amy (CDC/NCEZID/DFWED/WDPB) <ete1@cdc.gov>; Roundtree, Alexis V. (CDC/NCEZID/DFWED/WDPB) (CTR) <hzi5@cdc.gov>; Kunz, Jasen M. (CDC/NCEZID/DFWED/WDPB) <izk0@cdc.gov>; Stainken, Cameron@CDPH <Cameron.Stainken@cdph.ca.gov>; Bond, Christian R@CDPH <Christian.Bond@cdph.ca.gov>
Subject: RE: Consultation re: STEC O157 cases exposed to natural recreational water in Butte County, CA

Hi Ashley,

Thanks so much for sending this info! Ashley is out into the field with two 50-ml falcon tubes (empty) and ten 30-ml tubes filled with 15-ml of Cary Blair since that's what the CDC enterics lab recommended.

Which would you prefer she collect samples in for the scat testing?

Thanks!

Mia

Mia Catharine Mattioli
Environmental Engineer
Centers for Disease Control and Prevention (CDC)
Department of Health and Human Services (HHS)
Office: (404) 718-5643

From: Lamba, Katherine@CDPH <Katherine.Lamba@cdph.ca.gov>

Sent: Thursday, July 24, 2025 1:09 PM

To: Wais, Ashley <AWais@buttecounty.net>; Mattioli, Mia Catharine (CDC/NCEZID/DFWED/WDPB) <kuk9@cdc.gov>; Parker, Thomas <TParker@buttecounty.net>; McKeel, Haley (CDC/NCEZID/DFWED/EDLB) <hvw0@cdc.gov>

Cc: Kahler, Amy (CDC/NCEZID/DFWED/WDPB) <ete1@cdc.gov>; Roundtree, Alexis V. (CDC/NCEZID/DFWED/WDPB) (CTR) <hzi5@cdc.gov>; Kunz, Jasen M. (CDC/NCEZID/DFWED/WDPB) <izk0@cdc.gov>; Stainken, Cameron (CDC cdph.ca.gov) <cameron.stainken@cdph.ca.gov>; Bond, Christian R@CDPH <Christian.Bond@cdph.ca.gov>

Subject: RE: Consultation re: STEC O157 cases exposed to natural recreational water in Butte County, CA

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Hi Ashley,

Apologies for the delay. Sharing a few updates after gathering some additional information from our EH and lab folks:

- Goose feces samples can be tested by the CDPH Food and Drug Laboratory Branch. At this time they have capacity to test 10-20 goose feces samples
- Supplies needed for collection:
 - Sterile disposable spatulas or scoop.
 - Sterile 24 oz or 55 oz Whirl-Pak Bags.
 - Gloves.
- Ship the samples along with sealed controls of all the collection supplies that were used, with ice packs (optional) to the below address. The samples will be shipped to the CDPH Food and Drug Branch for logging before forwarded to the laboratory.
- Shipping: Please ship the samples to Christian Bond at:
California Department of Public Health
Food and Drug Branch
1500 Capitol Ave MS 7602
Sacramento, CA, 95814

Please let me know if you have additional questions for our EH/lab team at this time.

Thanks,
Kat

Katherine Lamba, MPH (she/her)
California Department of Public Health
Phone: 510-620-3429 | Email: Katherine.Lamba@cdph.ca.gov

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From: Wais, Ashley <AWais@buttecounty.net>

Sent: Wednesday, July 23, 2025 9:27 AM

To: Lamba, Katherine@CDPH <Katherine.Lamba@cdph.ca.gov>; Mattioli, Mia Catharine (CDC/NCEZID/DFWED/WDPB) <kuk9@cdc.gov>; Parker, Thomas <TParker@buttecounty.net>; McKeel, Haley (CDC/NCEZID/DFWED/EDLB) <hvw0@cdc.gov>

Cc: Kahler, Amy (CDC/NCEZID/DFWED/WDPB) <ete1@cdc.gov>; Roundtree, Alexis V. (CDC/NCEZID/DFWED/WDPB)

(CTR) <hzy5@cdc.gov>; Kunz, Jasen M. (CDC/NCEZID/DFWED/WDPB) <izk0@cdc.gov>

Subject: RE: Consultation re: STEC O157 cases exposed to natural recreational water in Butte County, CA

Hi Kat,

Thank you for this update.

If we could have a list of the supplies that would be needed to collect the samples, I can check with our lab to see if we have them.

Thank you,

Ashley Wais, MPH, CIC®

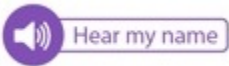
Epidemiologist

[BUTTE COUNTY PUBLIC HEALTH](#)

[202 Mira Loma Drive | Oroville, CA 95965](#)

T: [530-552-3950](tel:530-552-3950) | M: [530-300-4166](tel:530-300-4166)

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From: Lamba, Katherine@CDPH <Katherine.Lamba@cdph.ca.gov>

Sent: Wednesday, July 23, 2025 9:13 AM

To: Mattioli, Mia Catharine (CDC/NCEZID/DFWED/WDPB) <kuk9@cdc.gov>; Wais, Ashley <AWais@buttecounty.net>; Parker, Thomas <TParker@buttecounty.net>; McKeel, Haley (CDC/NCEZID/DFWED/EDLB) <hvw0@cdc.gov>

Cc: Kahler, Amy (CDC/NCEZID/DFWED/WDPB) <ete1@cdc.gov>; Roundtree, Alexis V. (CDC/NCEZID/DFWED/WDPB) (CTR) <hzy5@cdc.gov>; Kunz, Jasen M. (CDC/NCEZID/DFWED/WDPB) <izk0@cdc.gov>

Subject: RE: Consultation re: STEC O157 cases exposed to natural recreational water in Butte County, CA

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Hi all,

We have capacity at one of our labs for the goose scat testing at CDPH (Food and Drug lab)- I will check with a 2nd (MDL) as well and loop in the appropriate folks regarding # of samples they have capacity to test at this time.

@Wais, Ashley and team, will you need collection supplies? Will get back to you soon with additional information.

Kat

Katherine Lamba, MPH (she/her)

California Department of Public Health

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From: Mattioli, Mia Catharine (CDC/NCEZID/DFWED/WDPB) <kuk9@cdc.gov>

Sent: Wednesday, July 23, 2025 7:49 AM

To: Wais, Ashley <AWais@buttecounty.net>; Parker, Thomas <TParker@buttecounty.net>; McKeel, Haley (CDC/NCEZID/DFWED/EDLB) <hvw0@cdc.gov>; Lamba, Katherine@CDPH <Katherine.Lamba@cdph.ca.gov>

Cc: Kahler, Amy (CDC/NCEZID/DFWED/WDPB) <ete1@cdc.gov>; Roundtree, Alexis V. (CDC/NCEZID/DFWED/WDPB) (CTR) <hzi5@cdc.gov>; Kunz, Jasen M. (CDC/NCEZID/DFWED/WDPB) <izk0@cdc.gov>

Subject: RE: Consultation re: STEC O157 cases exposed to natural recreational water in Butte County, CA

Hi Ashley,

Thanks so much for bringing this up! Unfortunately, our lab can't do the animal fecal the testing, but I thought on the call CDPH lab said they could do the fecal testing similar to Lake Wildwood. [@Lamba, Katherine@CDPH](mailto:Katherine.Lamba@cdph.ca.gov), would you be able to check with your lab about the animal fecal testing?

If CDPH is unavailable, CDC enterics may be able to support, but I believe they have limited capacity and need samples collected in transport media (Cary Blair). [@McKeel, Haley \(CDC/NCEZID/DFWED/EDLB\)](mailto:hvw0@cdc.gov) is that correct?

For scat sampling supplies, we only sent the new plastic tarp I mentioned that is helpful for goose scat if you see a flock when sampling. You can bring crackers to lure them to the tarp, but it can be tricky as you would imagine.

Let me know if helpful to discuss further!

Mia

Mia Catharine Mattioli
Environmental Engineer
Centers for Disease Control and Prevention (CDC)
Department of Health and Human Services (HHS)
Office: (404) 718-5643

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From: Wais, Ashley <AWais@buttecounty.net>

Sent: Tuesday, July 22, 2025 6:57 PM

To: Parker, Thomas <TParker@buttecounty.net>; Mattioli, Mia Catharine (CDC/NCEZID/DFWED/WDPB) <kuk9@cdc.gov>

Cc: Kahler, Amy (CDC/NCEZID/DFWED/WDPB) <ete1@cdc.gov>; Roundtree, Alexis V. (CDC/NCEZID/DFWED/WDPB) (CTR) <hzi5@cdc.gov>; McKeel, Haley (CDC/NCEZID/DFWED/EDLB) <hvw0@cdc.gov>; Lamba, Katherine@CDPH <Katherine.Lamba@cdph.ca.gov>; Kunz, Jasen M. (CDC/NCEZID/DFWED/WDPB) <izk0@cdc.gov>

Subject: RE: Consultation re: STEC O157 cases exposed to natural recreational water in Butte County, CA

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Hi Mia,

Thank you for this insight. Do you have any guidance/recommendations on how to collect animal feces samples (most likely from geese, possibly cattle)? If we are successful in collecting these samples, are we able to include them in the main shipment?

Thank you,

Ashley Wais, MPH, CIC®

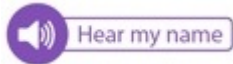
Epidemiologist

[BUTTE COUNTY PUBLIC HEALTH](#)

[202 Mira Loma Drive | Oroville, CA 95965](#)

T: 530-552-3950 | M: 530-300-4166

<https://www.buttecounty.net/610/Public-Health>



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From: Parker, Thomas <TParker@buttecounty.net>

Sent: Tuesday, July 22, 2025 2:55 PM

To: 'Mattioli, Mia Catharine (CDC/NCEZID/DFWED/WDPB)' <kuk9@cdc.gov>

Cc: Kahler, Amy (CDC/NCEZID/DFWED/WDPB) <ete1@cdc.gov>; Roundtree, Alexis V. (CDC/NCEZID/DFWED/WDPB) (CTR) <hzi5@cdc.gov>; McKeel, Haley (CDC/NCEZID/DFWED/EDLB) <hvw0@cdc.gov>; Lamba, Katherine@CDPH <Katherine.Lamba@cdph.ca.gov>; Wais, Ashley <AWais@buttecounty.net>; Kunz, Jasen M. (CDC/NCEZID/DFWED/WDPB) <izk0@cdc.gov>

Subject: RE: Consultation re: STEC O157 cases exposed to natural recreational water in Butte County, CA

Thank you for all of the information!

Thomas Parker

Program Manager, Hazardous Materials

[BUTTE COUNTY PUBLIC HEALTH](#)

[202 Mira Loma Drive | Oroville, CA 95965](#)

T: 530.552.3870 | D: [530.552.3870](tel:530.552.3870)

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From: Mattioli, Mia Catharine (CDC/NCEZID/DFWED/WDPB) <kuk9@cdc.gov>

Sent: Tuesday, July 22, 2025 2:43 PM

To: Parker, Thomas <TParker@buttecounty.net>

Cc: Kahler, Amy (CDC/NCEZID/DFWED/WDPB) <ete1@cdc.gov>; Roundtree, Alexis V. (CDC/NCEZID/DFWED/WDPB) (CTR) <hzi5@cdc.gov>; McKeel, Haley (CDC/NCEZID/DFWED/EDLB) <hvw0@cdc.gov>; Lamba, Katherine@CDPH <Katherine.Lamba@cdph.ca.gov>; Wais, Ashley <AWais@buttecounty.net>; Kunz, Jasen M. (CDC/NCEZID/DFWED/WDPB) <izk0@cdc.gov>

Subject: RE: Consultation re: STEC O157 cases exposed to natural recreational water in Butte County, CA

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Sorry for all the emails! I also meant to note that the batteries for the pump have been fully charge so should be ready to go. The pH probe will need to be calibrated in the field due to the dependence on air temperature. However, we have provided the manual and 3 standard solutions with the probe.

Thanks again!

Mia

Mia Catharine Mattioli
Environmental Engineer
Centers for Disease Control and Prevention (CDC)
Department of Health and Human Services (HHS)
Office: (404) 718-5643

Highly Sensitive/Any User (No encryption)

From: Mattioli, Mia Catharine (CDC/NCEZID/DFWED/WDPB)

Sent: Tuesday, July 22, 2025 5:40 PM

To: Parker, Thomas <TParker@buttecounty.net>

Cc: Kahler, Amy (CDC/NCEZID/DFWED/WDPB) <ete1@cdc.gov>; Roundtree, Alexis V. (CDC/NCEZID/DFWED/WDPB) (CTR) <hzi5@cdc.gov>; McKeel, Haley (CDC/NCEZID/DFWED/EDLB) <hvw0@cdc.gov>; Lamba, Katherine@CDPH <Katherine.Lamba@cdph.ca.gov>; Wais, Ashley <AWais@buttecounty.net>; Kunz, Jasen M. (CDC/NCEZID/DFWED/WDPB) <izk0@cdc.gov>

Subject: RE: Consultation re: STEC O157 cases exposed to natural recreational water in Butte County, CA

Apologies for not highlighting this in the quick guide. Please start sampling furthers **downstream** and move upstream. This will ensure separate parcels of water are sampled at each site from the flowing source.

Thanks again!

Mia

Mia Catharine Mattioli
Environmental Engineer
Centers for Disease Control and Prevention (CDC)
Department of Health and Human Services (HHS)
Office: (404) 718-5643

From: Mattioli, Mia Catharine (CDC/NCEZID/DFWED/WDPB)
Sent: Tuesday, July 22, 2025 5:39 PM
To: Parker, Thomas <TParker@buttecounty.net>
Cc: Kahler, Amy (CDC/NCEZID/DFWED/WDPB) <ete1@cdc.gov>; Roundtree, Alexis V. (CDC/NCEZID/DFWED/WDPB) (CTR) <hzi5@cdc.gov>; McKeel, Haley (CDC/NCEZID/DFWED/EDLB) <hvw0@cdc.gov>; Lamba, Katherine@CDPH <Katherine.Lamba@cdph.ca.gov>; Wais, Ashley <AWais@buttecounty.net>; Kunz, Jasen M. (CDC/NCEZID/DFWED/WDPB) <izk0@cdc.gov>
Subject: RE: Consultation re: STEC O157 cases exposed to natural recreational water in Butte County, CA

Hi Thomas,

The sampling supplies have been shipping and should arrive tomorrow morning (FedEx tracking number **450145173848**).

I've attached a quick guide for sampling and shipping based on our discussion on sampling sites. The shipping information back to CDC is also pasted in this email below, and of note, please ship the samples on ice (not frozen) **first overnight via FedEx**. The ice packs we have provided could not be shipped frozen so please freeze before sampling or use alternative blue ice.

I have also attached our protocol for your reference and an electronic copy of our Chain of Custody form, though both are provided as print outs on a clipboard with the sampling supplies.

Let us know as soon as you can what day you plan to sample. This will help us to plan in the labs for testing. My cell number is [REDACTED]. Don't hesitate to call if you have any questions at all.

Thanks!

Mia

Mia Catharine Mattioli
Environmental Engineer
Centers for Disease Control and Prevention (CDC)
Department of Health and Human Services (HHS)
Office: (404) 718-5643

From: Parker, Thomas <TParker@buttecounty.net>
Sent: Tuesday, July 22, 2025 2:46 PM
To: Mattioli, Mia Catharine (CDC/NCEZID/DFWED/WDPB) <kuk9@cdc.gov>; Kahler, Amy (CDC/NCEZID/DFWED/WDPB) <ete1@cdc.gov>
Subject: RE: Consultation re: STEC O157 cases exposed to natural recreational water in Butte County, CA

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No worries, Mia and thanks for the response. That really helps. Will you be sending us a meter for water quality parameters (pH, temp, ect.)? I've used one in the past so I can certainly do that if it is helpful.

Thanks,

Thomas Parker
Program Manager, Hazardous Materials
[BUTTE COUNTY PUBLIC HEALTH](#)

[202 Mira Loma Drive | Oroville, CA 95965](#)
T: 530.552.3870 | D: [530.552.3870](#)

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From: Mattioli, Mia Catharine (CDC/NCEZID/DFWED/WDPB) <kuk9@cdc.gov>
Sent: Tuesday, July 22, 2025 11:34 AM
To: Parker, Thomas <TParker@buttecounty.net>; Kahler, Amy (CDC/NCEZID/DFWED/WDPB) <ete1@cdc.gov>
Subject: RE: Consultation re: STEC O157 cases exposed to natural recreational water in Butte County, CA

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Hi Thomas,

Apologies for the delayed response! We were shipping the supplies to you this morning. I will share the FedEx tracking number ASAP.

For the sediment, yes. That is the correct procedure to collect. Nothing fancy!

We seal the bottles (especially the sediment ones) with parafilm (provided), and then we have a sterile zip-lock bag for you to put that sediment bottle into for secondary containment. We don't use custody seals since this is non-regulatory.

I will be sending you a quick guide list of sampling sites and measurements for each site. But I'd be happy to review with you when you are done. We sincerely appreciate your thoroughness!

Mia

Mia Catharine Mattioli
Environmental Engineer
Centers for Disease Control and Prevention (CDC)
Department of Health and Human Services (HHS)
Office: (404) 718-5643

From: Parker, Thomas <TParker@buttecounty.net>
Sent: Tuesday, July 22, 2025 11:51 AM
To: Kahler, Amy (CDC/NCEZID/DFWED/WDPB) <ete1@cdc.gov>
Cc: Mattioli, Mia Catharine (CDC/NCEZID/DFWED/WDPB) <kuk9@cdc.gov>
Subject: RE: Consultation re: STEC O157 cases exposed to natural recreational water in Butte County, CA

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Hi Amy and Mia- I am finishing up my sampling plan this morning and had a few questions regarding the sediment sampling. My understanding from the phone call is that we will fill a 1 Liter bottle half full with the sediment, using a disposable scoop and drain off as much water as possible. Is this a poly bottle with a wide top or just a normal 1 liter bottle? Also, does the pack you sent contain custody seals as well? I can use tape if not. Also, after I complete my sampling plan, is there a chance one of you can do a quick review to make sure I am not missing anything or have something wrong in the process? I am trying to be as thorough as possible in case we have future sampling and I am not available.

Thanks,

Thomas Parker

Program Manager, Hazardous Materials
[BUTTE COUNTY PUBLIC HEALTH](#)
[202 Mira Loma Drive | Oroville, CA 95965](#)
T: 530.552.3870 | D: [530.552.3870](#)

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From: Kahler, Amy (CDC/NCEZID/DFWED/WDPB) <ete1@cdc.gov>
Sent: Monday, July 21, 2025 12:30 PM
To: Parker, Thomas <TParker@buttecounty.net>
Cc: Mattioli, Mia Catharine (CDC/NCEZID/DFWED/WDPB) <kuk9@cdc.gov>
Subject: RE: Consultation re: STEC O157 cases exposed to natural recreational water in Butte County, CA

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Hi Thomas,

We will send you two small-ish batteries to use. Both batteries will fit into the pump case and it will be heavy but portable. In a pinch you can also use the adapter that plugs into the cigarette lighter contraption in a car (I don't know what it's called any more). We'll send the cables for both options – although the battery option is the easiest.

Thanks,
Amy

From: Parker, Thomas <TParker@buttecounty.net>
Sent: Monday, July 21, 2025 3:24 PM
To: Kahler, Amy (CDC/NCEZID/DFWED/WDPB) <ete1@cdc.gov>
Cc: Mattioli, Mia Catharine (CDC/NCEZID/DFWED/WDPB) <kuk9@cdc.gov>
Subject: RE: Consultation re: STEC O157 cases exposed to natural recreational water in Butte County, CA

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Thank you Amy, that is great advice. Another question for you. The peristaltic pump requires a 12-volt battery for power. Would this be a car battery or is there another smaller battery that can be used. Getting a car battery to some of these locations may be difficult.

Thanks,

Thomas Parker

Program Manager, Hazardous Materials
[BUTTE COUNTY PUBLIC HEALTH](#)
[202 Mira Loma Drive | Oroville, CA 95965](#)
T: 530.552.3870 | D: [530.552.3870](#)

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From: Kahler, Amy (CDC/NCEZID/DFWED/WDPB) <ete1@cdc.gov>

Sent: Monday, July 21, 2025 12:10 PM

To: Parker, Thomas <TParker@buttecounty.net>

Cc: Mattioli, Mia Catharine (CDC/NCEZID/DFWED/WDPB) <kuk9@cdc.gov>

Subject: RE: Consultation re: STEC O157 cases exposed to natural recreational water in Butte County, CA

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Hi Thomas,

Sometimes the decision about where to collect the water sample is more about the logistics of where you can access the site – so if any locations present logistical challenges in accessing the water, any sample you can take is OK! However, if you have the luxury of choice, I'd say opt for flowing water over stagnant, with one caveat. If the water is flowing too fast, you could have issues keeping the tubing submerged with all the movement. We will send tubing weights you can attach to the tubing with a zip tie to help keep the tubing submerged, but it may also help if the water isn't too turbulent to begin with. With the weights there is a bit of balancing act though. You'll want to keep watch to make sure the tubing doesn't suck up too much sediment. We like to attach the weight several inches up from the end of the tubing so that the tubing end can point up, away from the sediment. We also orient the flow so that the ultrafilter filtrate gets released downstream from the intake – if the water is stagnant, you'll want to make sure the filtrate is released far enough downstream to not disturb the intake water. You can also let the filtrate flow onto the grass/banks if that's not too messy.

Taking the sediment sample downstream of the water intake is exactly the right approach. If this isn't physically possible, you could also wait and take the sediment sample after filtration is complete.

Thanks,
Amy

From: Parker, Thomas <TParker@buttecounty.net>
Sent: Monday, July 21, 2025 2:37 PM
To: Kahler, Amy (CDC/NCEZID/DFWED/WDPB) <ete1@cdc.gov>
Subject: RE: Consultation re: STEC O157 cases exposed to natural recreational water in Butte County, CA

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Thank you, that was my thought regarding the sediment sampling but I was not sure. I scouted out a few locations during my run over the weekend which had both. And thanks for the timeline for collecting the filtered samples. I just went through that part of the protocol so that is reassuring. For the filtered samples, is there a preference between collecting in still water vs faster flowing water? I have not noticed that in the protocol yet. I plan to take the water samples upstream from the sediment samples to avoid any silt/sediment from entering the filtration.

Thanks,

Thomas Parker
Program Manager, Hazardous Materials
[BUTTE COUNTY PUBLIC HEALTH](#)
[202 Mira Loma Drive | Oroville, CA 95965](#)
T: 530.552.3870 | D: [530.552.3870](tel:530.552.3870)

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From: Kahler, Amy (CDC/NCEZID/DFWED/WDPB) <ete1@cdc.gov>
Sent: Monday, July 21, 2025 11:26 AM
To: Parker, Thomas <TParker@buttecounty.net>; Mattioli, Mia Catharine (CDC/NCEZID/DFWED/WDPB) <kuk9@cdc.gov>
Subject: RE: Consultation re: STEC O157 cases exposed to natural recreational water in Butte County, CA

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Hi Thomas,

For the sediment sampling, we recommend going for the more silty sediment, if possible. The ultrafiltration procedure takes about 30 minutes for 50-L of water from start to finish. It will take a few minutes of setup, but once the filter is running you'll get 50-L through in 15-20 minutes at a 3-4 L/min flow rate. Then a few minutes of cleanup and you're on to the next site!

Thanks,
Amy

From: Parker, Thomas <TParker@buttecounty.net>
Sent: Monday, July 21, 2025 1:06 PM
To: Mattioli, Mia Catharine (CDC/NCEZID/DFWED/WDPB) <kuk9@cdc.gov>; Kahler, Amy (CDC/NCEZID/DFWED/WDPB) <ete1@cdc.gov>
Subject: RE: Consultation re: STEC O157 cases exposed to natural recreational water in Butte County, CA

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Thank you Mia. I have just two right now since I have not been able to read the protocol yet.

1. For the sediment sampling, is there a preference between sand or silt? Or does it matter?
2. How long does it typically take to filter the 50 liters of water? I am in the pre-planning stages and need to estimate time out in the field, coupled with my upcoming vacations.

Thanks,

Thomas Parker
Program Manager, Hazardous Materials
[BUTTE COUNTY PUBLIC HEALTH](#)
[202 Mira Loma Drive | Oroville, CA 95965](#)
T: 530.552.3870 | D: [530.552.3870](tel:530.552.3870)

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From: Mattioli, Mia Catharine (CDC/NCEZID/DFWED/WDPB) <kuk9@cdc.gov>
Sent: Monday, July 21, 2025 9:56 AM
To: Parker, Thomas <TParker@buttecounty.net>; Wais, Ashley <AWais@buttecounty.net>; Lamba, Katherine@CDPH <Katherine.Lamba@cdph.ca.gov>; Miko, Shanna (CDC/NCEZID/DFWED/WDPB) <rhu6@cdc.gov>; Beaudoin, Jarett <JBeaudoin@buttecounty.net>
Cc: Stainken, Cameron (CDC cdph.ca.gov) <cameron.stainken@cdph.ca.gov>; Kahler, Amy (CDC/NCEZID/DFWED/WDPB) <ete1@cdc.gov>; Kunz, Jasen M. (CDC/NCEZID/DFWED/WDPB) <izk0@cdc.gov>; Hill, Vincent (CDC/NCEZID/DFWED/WDPB) <veh2@cdc.gov>; McKeel, Haley (CDC/NCEZID/DFWED/EDLB) <hvw0@cdc.gov>; Strockbine, Nancy (CDC/NCEZID/DFWED/EDLB) <nas6@cdc.gov>; McSpadden, Elaine <EMcspadden@buttecounty.net>
Subject: RE: Consultation re: STEC O157 cases exposed to natural recreational water in Butte County, CA

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Hi Thomas,

You can direct those questions to myself and Amy Kahler (ete1@cdc.gov). Look forward to working with you!

Mia

Mia Catharine Mattioli
Environmental Engineer
Centers for Disease Control and Prevention (CDC)
Department of Health and Human Services (HHS)
Office: (404) 718-5643

From: Parker, Thomas <TParker@buttecounty.net>

Sent: Monday, July 21, 2025 12:35 PM

To: Mattioli, Mia Catharine (CDC/NCEZID/DFWED/WDPB) <kuk9@cdc.gov>; Wais, Ashley <AWais@buttecounty.net>; Lamba, Katherine@CDPH <Katherine.Lamba@cdph.ca.gov>; Miko, Shanna (CDC/NCEZID/DFWED/WDPB) <rhu6@cdc.gov>; Beaudoin, Jarett <JBeaudoin@buttecounty.net>

Cc: Stainken, Cameron (CDC cdph.ca.gov) <cameron.stainken@cdph.ca.gov>; Kahler, Amy (CDC/NCEZID/DFWED/WDPB) <ete1@cdc.gov>; Kunz, Jasen M. (CDC/NCEZID/DFWED/WDPB) <izk0@cdc.gov>; Hill, Vincent (CDC/NCEZID/DFWED/WDPB) <veh2@cdc.gov>; McKeel, Haley (CDC/NCEZID/DFWED/EDLB) <hvw0@cdc.gov>;

Strockbine, Nancy (CDC/NCEZID/DFWED/EDLB) <nas6@cdc.gov>; McSpadden, Elaine <EMcspadden@buttecounty.net>

Subject: RE: Consultation re: STEC O157 cases exposed to natural recreational water in Butte County, CA

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Thank you Mia. If I have specific questions regarding sampling protocols or procedures, should I direct them to you or someone else?

Thomas Parker

Program Manager, Hazardous Materials
[BUTTE COUNTY PUBLIC HEALTH](#)
[202 Mira Loma Drive | Oroville, CA 95965](#)
T: 530.552.3870 | D: [530.552.3870](tel:530.552.3870)

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From: Mattioli, Mia Catharine (CDC/NCEZID/DFWED/WDPB) <kuk9@cdc.gov>

Sent: Monday, July 21, 2025 9:26 AM

To: Wais, Ashley <AWais@buttecounty.net>; Lamba, Katherine@CDPH <Katherine.Lamba@cdph.ca.gov>; Miko, Shanna

(CDC/NCEZID/DFWED/WDPB) <rhu6@cdc.gov>; Beaudoin, Jarett <JBeaudoin@buttecounty.net>
Cc: Stainken, Cameron (CDC cdph.ca.gov) <cameron.stainken@cdph.ca.gov>; Kahler, Amy (CDC/NCEZID/DFWED/WDPB) <ete1@cdc.gov>; Kunz, Jasen M. (CDC/NCEZID/DFWED/WDPB) <izk0@cdc.gov>; Hill, Vincent (CDC/NCEZID/DFWED/WDPB) <veh2@cdc.gov>; McKeel, Haley (CDC/NCEZID/DFWED/EDLB) <hvw0@cdc.gov>; Strockbine, Nancy (CDC/NCEZID/DFWED/EDLB) <nas6@cdc.gov>; McSpadden, Elaine <EMcspadden@buttecounty.net>; Parker, Thomas <TParker@buttecounty.net>

Subject: RE: Consultation re: STEC O157 cases exposed to natural recreational water in Butte County, CA

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Wonderful! We're work to get the supplies and sampling guidance to you asap.

I also realized I didn't answer you other question. The sediment sample you collect will be great to test (O157 is very hardy in sediment). Just be sure to keep it at 4C and ship on ice packs, which we will send. You can wait to send it with the other samples.

Also, you'll have my cell so we can facetime to troubleshoot any issues as well.

Thanks!

Mia

Mia Catharine Mattioli
Environmental Engineer
Centers for Disease Control and Prevention (CDC)
Department of Health and Human Services (HHS)
Office: (404) 718-5643

From: Wais, Ashley <AWais@buttecounty.net>

Sent: Monday, July 21, 2025 12:23 PM

To: Mattioli, Mia Catharine (CDC/NCEZID/DFWED/WDPB) <kuk9@cdc.gov>; Lamba, Katherine@CDPH <Katherine.Lamba@cdph.ca.gov>; Miko, Shanna (CDC/NCEZID/DFWED/WDPB) <rhu6@cdc.gov>; Beaudoin, Jarett <JBeaudoin@buttecounty.net>

Cc: Stainken, Cameron (CDC cdph.ca.gov) <cameron.stainken@cdph.ca.gov>; Kahler, Amy (CDC/NCEZID/DFWED/WDPB) <ete1@cdc.gov>; Kunz, Jasen M. (CDC/NCEZID/DFWED/WDPB) <izk0@cdc.gov>; Hill, Vincent (CDC/NCEZID/DFWED/WDPB) <veh2@cdc.gov>; McKeel, Haley (CDC/NCEZID/DFWED/EDLB) <hvw0@cdc.gov>; Strockbine, Nancy (CDC/NCEZID/DFWED/EDLB) <nas6@cdc.gov>; McSpadden, Elaine <EMcspadden@buttecounty.net>; Parker, Thomas <TParker@buttecounty.net>

Subject: RE: Consultation re: STEC O157 cases exposed to natural recreational water in Butte County, CA

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Hi Mia,

Thank you for this insight. Below is the appropriate address to ship the supplies to.

Butte County Environmental Health
ATTN: Tom Parker

202 Mira Loma Drive
Oroville, CA 95965

In the meantime, the Butte County team will review the water sampling protocol shared in the meeting and have internal discussions to confirm sampling locations. I believe that we will have additional questions before we conduct sampling and greatly appreciate the CDC team's support and guidance during this project.

Thank you,

Ashley Wais, MPH, CIC®

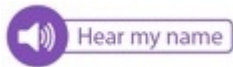
Epidemiologist

[BUTTE COUNTY PUBLIC HEALTH](#)

[202 Mira Loma Drive | Oroville, CA 95965](#)

T: 530-552-3950 | M: 530-300-4166

<https://www.buttecounty.net/610/Public-Health>



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From: Mattioli, Mia Catharine (CDC/NCEZID/DFWED/WDPB) <kuk9@cdc.gov>

Sent: Saturday, July 19, 2025 11:31 AM

To: Wais, Ashley <AWais@buttecounty.net>; Lamba, Katherine@CDPH <Katherine.Lamba@cdph.ca.gov>; Miko, Shanna (CDC/NCEZID/DFWED/WDPB) <rhu6@cdc.gov>; Beaudoin, Jarett <JBeaudoin@buttecounty.net>

Cc: Stainken, Cameron (CDC cdph.ca.gov) <cameron.stainken@cdph.ca.gov>; Kahler, Amy (CDC/NCEZID/DFWED/WDPB) <ete1@cdc.gov>; Kunz, Jasen M. (CDC/NCEZID/DFWED/WDPB) <izk0@cdc.gov>; Hill, Vincent

(CDC/NCEZID/DFWED/WDPB) <veh2@cdc.gov>; McKeel, Haley (CDC/NCEZID/DFWED/EDLB) <hvw0@cdc.gov>;

Strockbine, Nancy (CDC/NCEZID/DFWED/EDLB) <nas6@cdc.gov>

Subject: RE: Consultation re: STEC O157 cases exposed to natural recreational water in Butte County, CA

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Hi Ashley,

It was great speaking with you all on Friday. We are happy to support sampling and testing of the creek associated with the *E. coli* O157:H7 outbreak.

Based on our discussion, we would recommend water and sediment sampling at the following **5 locations**: the three swimming sites associated with exposure, immediately downstream of the golf course but upstream of the first swimming location, and further upstream where the wildfire sediment deposited. We would test these samples for *E. coli* O157:H7 and generic fecal indicator *E. coli*, as well as microbial source tracking markers specific to feces for birds, ruminants, and humans and markers specific to mitochondria of goose (given the Wildwood association). As mentioned on the call, Amy Irani in Nevada County did the sampling for the Lake Wildwood outbreak and is familiar with our large volume ultrafiltration sampling procedure so we would recommend asking if she can support given that experience.

If you all are OK with this plan, we can provide more details on the sampling and supplies, but first we **need the best address to ship**. Likely the earliest we can get the supplies to you all is Wednesday morning so sampling could occur on Wednesday and Thursday at the earliest. Friday sampling is tricky because Saturday delivery by FedEx is often problematic.

Thanks again for reaching out and look forward to working with you all!

Mia

Mia Catharine Mattioli
Environmental Engineer
Centers for Disease Control and Prevention (CDC)
Department of Health and Human Services (HHS)
Office: (404) 718-5643

From: Wais, Ashley <AWais@buttecounty.net>
Sent: Friday, July 18, 2025 6:45 PM
To: Lamba, Katherine@CDPH <Katherine.Lamba@cdph.ca.gov>; Mattioli, Mia Catharine (CDC/NCEZID/DFWED/WDPB) <kuk9@cdc.gov>; Miko, Shanna (CDC/NCEZID/DFWED/WDPB) <rhu6@cdc.gov>; Beaudoin, Jarett <JBeaudoin@buttecounty.net>
Cc: Stainken, Cameron (CDC cdph.ca.gov) <cameron.stainken@cdph.ca.gov>; Kahler, Amy (CDC/NCEZID/DFWED/WDPB) <ete1@cdc.gov>; Kunz, Jasen M. (CDC/NCEZID/DFWED/WDPB) <izk0@cdc.gov>; Hill, Vincent (CDC/NCEZID/DFWED/WDPB) <veh2@cdc.gov>; McKeel, Haley (CDC/NCEZID/DFWED/EDLB) <hvw0@cdc.gov>; Strockbine, Nancy (CDC/NCEZID/DFWED/EDLB) <nas6@cdc.gov>
Subject: RE: Consultation re: STEC O157 cases exposed to natural recreational water in Butte County, CA

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Hi CDC/CDPH teams,

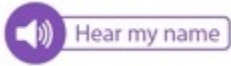
Thank you all so much for your time and support with this scenario. We will await further guidance on next steps.

I would also love to reach out to Jordan who was on the call speaking about the sequencing results, but I do not see them on this email chain currently. If someone from the CDC team could send me their contact info, that would be much appreciated.

Lastly, the City of Chico collected a sediment sample while conducting their cleaning efforts yesterday. I wanted to confirm if there was a time frame in which that needs to be tested for it to be viable?

Thank you again,

Ashley Wais, MPH, CIC®
Epidemiologist
[BUTTE COUNTY PUBLIC HEALTH](https://www.buttecounty.net/610/Public-Health)
[202 Mira Loma Drive | Oroville, CA 95965](https://www.buttecounty.net/610/Public-Health)
T: [530-552-3950](tel:530-552-3950) | M: [530-300-4166](tel:530-300-4166)
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From: Lamba, Katherine@CDPH <Katherine.Lamba@cdph.ca.gov>
Sent: Friday, July 18, 2025 9:48 AM
To: Wais, Ashley <AWais@buttecounty.net>; 'Mattioli, Mia Catharine (CDC/NCEZID/DFWED/WDPB)' <kuk9@cdc.gov>; Miko, Shanna (CDC/NCEZID/DFWED/WDPB) <rhu6@cdc.gov>; Beaudoin, Jarett <jbeaudoin@buttecounty.net>
Cc: Stainken, Cameron@CDPH <Cameron.Stainken@cdph.ca.gov>; Kahler, Amy (CDC/NCEZID/DFWED/WDPB) <ete1@cdc.gov>; Kunz, Jasen M. (CDC/NCEZID/DFWED/WDPB) <izk0@cdc.gov>; Hill, Vincent (CDC/NCEZID/DFWED/WDPB) <veh2@cdc.gov>; McKeel, Haley (CDC/NCEZID/DFWED/EDLB) <hvw0@cdc.gov>; Strockbine, Nancy (CDC/NCEZID/DFWED/EDLB) <nas6@cdc.gov>
Subject: RE: Consultation re: STEC O157 cases exposed to natural recreational water in Butte County, CA

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[Redacted]

[Redacted]	[Redacted]	[Redacted]	[Redacted]	[Redacted]	[Redacted]	[Redacted]	[Redacted]
[Redacted]	[Redacted]	[Redacted]	[Redacted]	[Redacted]	[Redacted]	[Redacted]	[Redacted]
[Redacted]	[Redacted]	[Redacted]	[Redacted]	[Redacted]	[Redacted]	[Redacted]	[Redacted]
[Redacted]	[Redacted]	[Redacted]	[Redacted]	[Redacted]	[Redacted]	[Redacted]	[Redacted]
[Redacted]	[Redacted]	[Redacted]	[Redacted]	[Redacted]	[Redacted]	[Redacted]	[Redacted]
[Redacted]	[Redacted]	[Redacted]	[Redacted]	[Redacted]	[Redacted]	[Redacted]	[Redacted]

Kat

Katherine Lamba, MPH (she/her)
California Department of Public Health
Phone: 510-620-3429 | Email: Katherine.Lamba@cdph.ca.gov

From: Wais, Ashley <AWais@buttecounty.net>
Sent: Thursday, July 17, 2025 4:14 PM
To: Lamba, Katherine@CDPH <Katherine.Lamba@cdph.ca.gov>; 'Mattioli, Mia Catharine (CDC/NCEZID/DFWED/WDPB)' <kuk9@cdc.gov>; Miko, Shanna (CDC/NCEZID/DFWED/WDPB) <rhu6@cdc.gov>; Beaudoin, Jarrett <jbeaudoin@buttecounty.net>
Cc: Stainken, Cameron@CDPH <Cameron.Stainken@cdph.ca.gov>; Kahler, Amy (CDC/NCEZID/DFWED/WDPB) <ete1@cdc.gov>; Kunz, Jasen M. (CDC/NCEZID/DFWED/WDPB) <izk0@cdc.gov>; Hill, Vincent (CDC/NCEZID/DFWED/WDPB) <veh2@cdc.gov>; McKeel, Haley (CDC/NCEZID/DFWED/EDLB) <hvw0@cdc.gov>; Strockbine, Nancy (CDC/NCEZID/DFWED/EDLB) <nas6@cdc.gov>
Subject: RE: Consultation re: STEC O157 cases exposed to natural recreational water in Butte County, CA

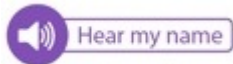
Hi Kat,

Thank you,

Ashley Wais, MPH, CIC®

Epidemiologist

BUTTE COUNTY PUBLIC HEALTH
202 Mira Loma Drive | Oroville, CA 95965
T: 530-552-3950 | M: 530-300-4166
<https://www.buttecounty.net/610/Public-Health>



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From: Lamba, Katherine@CDPH <Katherine.Lamba@cdph.ca.gov>
Sent: Thursday, July 17, 2025 3:55 PM
To: Wais, Ashley <AWais@buttecounty.net>; 'Mattioli, Mia Catharine (CDC/NCEZID/DFWED/WDPB)' <kuk9@cdc.gov>; Miko, Shanna (CDC/NCEZID/DFWED/WDPB) <rhu6@cdc.gov>; Beaudoin, Jarrett <jbeaudoin@buttecounty.net>
Cc: Stainken, Cameron@CDPH <Cameron.Stainken@cdph.ca.gov>; Kahler, Amy (CDC/NCEZID/DFWED/WDPB) <ete1@cdc.gov>; Kunz, Jasen M. (CDC/NCEZID/DFWED/WDPB) <izk0@cdc.gov>; Hill, Vincent (CDC/NCEZID/DFWED/WDPB) <veh2@cdc.gov>; McKeel, Haley (CDC/NCEZID/DFWED/EDLB) <hvw0@cdc.gov>; Strockbine, Nancy (CDC/NCEZID/DFWED/EDLB) <nas6@cdc.gov>
Subject: RE: Consultation re: STEC O157 cases exposed to natural recreational water in Butte County, CA

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Hi all,

Sharing a couple of quick updates on WGS; see table below for additional details.

- [REDACTED]

[REDACTED]	[REDACTED]	[REDACTED]	[REDACTED]	[REDACTED]	[REDACTED]	[REDACTED]	[REDACTED]
[REDACTED]	[REDACTED]	[REDACTED]	[REDACTED]	[REDACTED]	[REDACTED]	[REDACTED]	[REDACTED]
[REDACTED]	[REDACTED]	[REDACTED]	[REDACTED]	[REDACTED]	[REDACTED]	[REDACTED]	[REDACTED]
[REDACTED]	[REDACTED]	[REDACTED]	[REDACTED]	[REDACTED]	[REDACTED]	[REDACTED]	[REDACTED]
[REDACTED]	[REDACTED]	[REDACTED]	[REDACTED]	[REDACTED]	[REDACTED]	[REDACTED]	[REDACTED]
[REDACTED]	[REDACTED]	[REDACTED]	[REDACTED]	[REDACTED]	[REDACTED]	[REDACTED]	[REDACTED]

Thanks,
Kat

Katherine Lamba, MPH (she/her)
California Department of Public Health
Phone: 510-620-3429 | Email: Katherine.Lamba@cdph.ca.gov

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From: Wais, Ashley <AWais@buttecounty.net>
Sent: Thursday, July 17, 2025 8:56 AM
To: 'Mattioli, Mia Catharine (CDC/NCEZID/DFWED/WDPB)' <kuk9@cdc.gov>; Lamba, Katherine@CDPH <Katherine.Lamba@cdph.ca.gov>; Miko, Shanna (CDC/NCEZID/DFWED/WDPB) <rhu6@cdc.gov>; Beaudoin, Jarett <jbeaudoin@buttecounty.net>
Cc: Stainken, Cameron@CDPH <Cameron.Stainken@cdph.ca.gov>; Kahler, Amy (CDC/NCEZID/DFWED/WDPB) <ete1@cdc.gov>; Kunz, Jasen M. (CDC/NCEZID/DFWED/WDPB) <izk0@cdc.gov>; Hill, Vincent (CDC/NCEZID/DFWED/WDPB) <veh2@cdc.gov>; McKeel, Haley (CDC/NCEZID/DFWED/EDLB) <hvw0@cdc.gov>; Strockbine, Nancy (CDC/NCEZID/DFWED/EDLB) <nas6@cdc.gov>
Subject: RE: Consultation re: STEC O157 cases exposed to natural recreational water in Butte County, CA

Hi Mia,

Thank you for accommodating our tight schedule and consulting with us for this scenario. We have reached out to the City of Chico to see if they can acquire these samples. We are available at 12PM tomorrow for a discussion.

I did have a few questions related to the sample requests:

1. The pool is now drained (see below) and the process for removing sediment is underway. Did the sediment need to be submerged?
2. I am not sure it will be possible to acquire a “mucky water” sample now that the pool is drained. Is there a different type of sample that should be taken or should it be taken from another location (upstream)?

Any insight is appreciated.



Thank you,
Ashley Wais, MPH, CIC®

Epidemiologist

[BUTTE COUNTY PUBLIC HEALTH](#)

[202 Mira Loma Drive | Oroville, CA 95965](#)

T: [530-552-3950](tel:530-552-3950) | M: [530-300-4166](tel:530-300-4166)

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Sent: Thursday, July 17, 2025 8:31 AM

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<rhu6@cdc.gov>; Wais, Ashley <AWais@buttecounty.net>; Beaudoin, Jarett <jbeaudoin@buttecounty.net>

Cc: Stainken, Cameron (CDC cdpH.ca.gov) <cameron.stainken@cdph.ca.gov>; Kahler, Amy (CDC/NCEZID/DFWED/WDPB)

<ete1@cdc.gov>; Kunz, Jasen M. (CDC/NCEZID/DFWED/WDPB) <izk0@cdc.gov>; Hill, Vincent

(CDC/NCEZID/DFWED/WDPB) <veh2@cdc.gov>; McKeel, Haley (CDC/NCEZID/DFWED/EDLB) <hvw0@cdc.gov>;

Strockbine, Nancy (CDC/NCEZID/DFWED/EDLB) <nas6@cdc.gov>

Subject: RE: Consultation re: STEC O157 cases exposed to natural recreational water in Butte County, CA

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Hi Kat,

Thanks so much for proposing times!

CDC is available at the following:

- Friday 7/18: 12pm PST/3PM EST
- Monday 7/21: 1pm PST/4pm EST

Also, if they are cleaning out Sycamore pool, could we ask that someone grab two, 1-L bottles and fill one halfway with the sediment and the other almost full with the mucky water churned up? These can be stored in a fridge (4C) until process. Our lab does this type of testing if not available in CA. These samples will be the best for this type of bug and water source.

Thanks!

Mia

Mia Catharine Mattioli

Environmental Engineer

Centers for Disease Control and Prevention (CDC)

Department of Health and Human Services (HHS)

Office: (404) 718-5643

From: Lamba, Katherine@CDPH <Katherine.Lamba@cdph.ca.gov>
Sent: Wednesday, July 16, 2025 9:22 PM
To: Mattioli, Mia Catharine (CDC/NCEZID/DFWED/WDPB) <kuk9@cdc.gov>; Miko, Shanna (CDC/NCEZID/DFWED/WDPB) <rhu6@cdc.gov>; Wais, Ashley <AWais@buttecounty.net>; Beaudoin, Jarett <jbeaudoin@buttecounty.net>
Cc: Stainken, Cameron (CDC cdph.ca.gov) <cameron.stainken@cdph.ca.gov>; Kahler, Amy (CDC/NCEZID/DFWED/WDPB) <ete1@cdc.gov>; Kunz, Jasen M. (CDC/NCEZID/DFWED/WDPB) <izk0@cdc.gov>; Hill, Vincent (CDC/NCEZID/DFWED/WDPB) <veh2@cdc.gov>; McKeel, Haley (CDC/NCEZID/DFWED/EDLB) <hvw0@cdc.gov>; Strockbine, Nancy (CDC/NCEZID/DFWED/EDLB) <nas6@cdc.gov>
Subject: RE: Consultation re: STEC O157 cases exposed to natural recreational water in Butte County, CA

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Hi all,

Looping in a couple of folks from Butte County directly (Ashley Wais- epi and Dr. Beaudoin, Health Officer) so we can all sort out scheduling for this call.

Looks like scheduling over the next several days may be challenging but hopefully we can sort out a time that works sooner rather than later for the group. Would CDC team by chance be available during any of the following times?

- Thursday 7/17: 12pm PST/3PM EST
- Friday 7/18: 12pm PST/3PM EST
- Monday 7/21: 9am-11am PST (12-2 EST); 1pm PST/4pm EST
 - For Monday these are the slots that work for CDC and CDPH; @Wais, Ashley let us know if any of these work for Butte.

Thank you!

Kat

Katherine Lamba, MPH (she/her)
California Department of Public Health
Phone: 510-620-3429 | Email: Katherine.Lamba@cdph.ca.gov

Confidential - Low

From: Lamba, Katherine@CDPH
Sent: Wednesday, July 16, 2025 2:44 PM
To: Mattioli, Mia Catharine (CDC/NCEZID/DFWED/WDPB) <kuk9@cdc.gov>; Miko, Shanna (CDC/NCEZID/DFWED/WDPB) <rhu6@cdc.gov>
Cc: Stainken, Cameron@CDPH <Cameron.Stainken@cdph.ca.gov>; Kahler, Amy (CDC/NCEZID/DFWED/WDPB) <ete1@cdc.gov>; Kunz, Jasen M. (CDC/NCEZID/DFWED/WDPB) <izk0@cdc.gov>; Hill, Vincent (CDC/NCEZID/DFWED/WDPB) <veh2@cdc.gov>; McKeel, Haley (CDC/NCEZID/DFWED/EDLB) <hvw0@cdc.gov>; Strockbine, Nancy (CDC/NCEZID/DFWED/EDLB) <nas6@cdc.gov>
Subject: RE: Consultation re: STEC O157 cases exposed to natural recreational water in Butte County, CA

T [REDACTED]

My thought went to geese flying down from WA 😊.

Kat

Katherine Lamba, MPH (she/her)
California Department of Public Health
Phone: 510-620-3429 | Email: Katherine.Lamba@cdph.ca.gov

From: Mattioli, Mia Catharine (CDC/NCEZID/DFWED/WDPB) <kuk9@cdc.gov>
Sent: Wednesday, July 16, 2025 2:30 PM
To: Lamba, Katherine@CDPH <Katherine.Lamba@cdph.ca.gov>; Miko, Shanna (CDC/NCEZID/DFWED/WDPB) <rhu6@cdc.gov>
Cc: Stainken, Cameron@CDPH <Cameron.Stainken@cdph.ca.gov>; Kahler, Amy (CDC/NCEZID/DFWED/WDPB) <ete1@cdc.gov>; Kunz, Jasen M. (CDC/NCEZID/DFWED/WDPB) <izk0@cdc.gov>; Hill, Vincent (CDC/NCEZID/DFWED/WDPB) <veh2@cdc.gov>; McKeel, Haley (CDC/NCEZID/DFWED/EDLB) <hvw0@cdc.gov>; Strockbine, Nancy (CDC/NCEZID/DFWED/EDLB) <nas6@cdc.gov>
Subject: RE: Consultation re: STEC O157 cases exposed to natural recreational water in Butte County, CA

Adding our other enterics clinical outbreak SME, Nancy Strockbine, as well.

Thanks!

Mia Catharine Mattioli
Environmental Engineer
Centers for Disease Control and Prevention (CDC)
Department of Health and Human Services (HHS)
Office: (404) 718-5643

From: Mattioli, Mia Catharine (CDC/NCEZID/DFWED/WDPB)
Sent: Wednesday, July 16, 2025 5:28 PM
To: Lamba, Katherine@CDPH <Katherine.Lamba@cdph.ca.gov>; Miko, Shanna (CDC/NCEZID/DFWED/WDPB) <rhu6@cdc.gov>
Cc: Stainken, Cameron (CDC cdph.ca.gov) <cameron.stainken@cdph.ca.gov>; Kahler, Amy (CDC/NCEZID/DFWED/WDPB) <ete1@cdc.gov>; Kunz, Jasen M. (CDC/NCEZID/DFWED/WDPB) <izk0@cdc.gov>; Hill, Vincent (CDC/NCEZID/DFWED/WDPB) <veh2@cdc.gov>; McKeel, Haley (CDC/NCEZID/DFWED/EDLB) <hvw0@cdc.gov>
Subject: RE: Consultation re: STEC O157 cases exposed to natural recreational water in Butte County, CA

OK, thanks so much! This is very close and similar sounding to our Lake Wildwood *E. coli* O157:H7 outbreak in 2017 at almost the exact same time of year. In that case there were Canada geese amplifying the pathogen within the lake. I wonder if there are geese or other birds frequenting these untreated venues as well. I'm including our clinical enterics laboratory SME, Haley McKeel, who was also involved in the 2017 response.

Our team would be available this Friday (7/18) from 12-2 PM EST or next Monday (7/21) after 12 PM EST. If none of those times work for you all, let us know what works best for you, and we can move things on our end.

Thanks again for reaching out!

Mia

Mia Catharine Mattioli
Environmental Engineer

From: Lamba, Katherine@CDPH <Katherine.Lamba@cdph.ca.gov>
Sent: Wednesday, July 16, 2025 5:22 PM
To: Mattioli, Mia Catharine (CDC/NCEZID/DFWED/WDPB) <kuk9@cdc.gov>; Miko, Shanna (CDC/NCEZID/DFWED/WDPB) <rhu6@cdc.gov>
Cc: Stainken, Cameron (CDC cdph.ca.gov) <cameron.stainken@cdph.ca.gov>; Kahler, Amy (CDC/NCEZID/DFWED/WDPB) <ete1@cdc.gov>; Kunz, Jasen M. (CDC/NCEZID/DFWED/WDPB) <izk0@cdc.gov>; Hill, Vincent (CDC/NCEZID/DFWED/WDPB) <veh2@cdc.gov>
Subject: RE: Consultation re: STEC O157 cases exposed to natural recreational water in Butte County, CA

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Fantastic, thanks! Let me check in with our Butte County colleagues then I will loop them in and can coordinate setting something up. In the meantime if you are able to share some time slots over the next several days that work for your team that would be great.

Yes- Sycamore pool is untreated water.

Kat

Katherine Lamba, MPH (she/her)
California Department of Public Health
Phone: 510-620-3429 | Email: Katherine.Lamba@cdph.ca.gov

Confidential - Low

From: Mattioli, Mia Catharine (CDC/NCEZID/DFWED/WDPB) <kuk9@cdc.gov>
Sent: Wednesday, July 16, 2025 2:11 PM
To: Lamba, Katherine@CDPH <Katherine.Lamba@cdph.ca.gov>; Miko, Shanna (CDC/NCEZID/DFWED/WDPB) <rhu6@cdc.gov>
Cc: Stainken, Cameron@CDPH <Cameron.Stainken@cdph.ca.gov>; Kahler, Amy (CDC/NCEZID/DFWED/WDPB) <ete1@cdc.gov>; Kunz, Jasen M. (CDC/NCEZID/DFWED/WDPB) <izk0@cdc.gov>; Hill, Vincent (CDC/NCEZID/DFWED/WDPB) <veh2@cdc.gov>
Subject: RE: Consultation re: STEC O157 cases exposed to natural recreational water in Butte County, CA

Hi Kat,

Thanks for reaching out! Yes, Shanna and I are the right contacts. Shanna is only leave this week so I've included her back-fill for outbreak support, Jasen Kunz. Jasen can set up a call to discuss sampling and testing. Our lab does both water and sediment testing for *E. coli* O157:H7, and we happy to discuss our sampling and testing methods. Of note, generic *E. coli* tests used for monitoring do *not* detect O157:H7 strains, which means those values alone cannot be used to evaluate risk of pathogen contamination.

Thanks for the outbreak notes as well. Just so I'm clear, this pool is untreated, correct? It is fed by a creek without further treatment?

Let us know if you would like to set up a call or prefer Jasen reach out, and thanks again!

Mia

Mia Catharine Mattioli
Environmental Engineer
Centers for Disease Control and Prevention (CDC)
Department of Health and Human Services (HHS)
Office: (404) 718-5643

From: Lamba, Katherine@CDPH <Katherine.Lamba@cdph.ca.gov>
Sent: Wednesday, July 16, 2025 5:05 PM
To: Mattioli, Mia Catharine (CDC/NCEZID/DFWED/WDPB) <kuk9@cdc.gov>; Miko, Shanna (CDC/NCEZID/DFWED/WDPB) <rhu6@cdc.gov>
Cc: Stainken, Cameron (CDC cdpH.ca.gov) <cameron.stainken@cdph.ca.gov>
Subject: Consultation re: STEC O157 cases exposed to natural recreational water in Butte County, CA

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Hi Mia and Shanna,

Hoping you're still the right contacts to reach out to- if not, please forward as needed.

CDPH has been supporting Butte County in the investigation of STEC O157 cases they suspect are associated with a couple of related natural recreational water locations in Chico, CA. Butte County has been in discussions with the City of Chico regarding possible testing of water and sediment for STEC/STEC O157 and they are looking for guidance on sampling methods, interpretation of laboratory results, and considerations around water sampling. We're wondering if you and your team may be available to consult on this situation, possibly via a conference call?

Some background:

- Butte County initially identified 2 cases of STEC O157 [REDACTED] onsets [REDACTED], where exposure to [Sycamore Pool](#) (aka One-Mile recreational area/Bidwell Park) in Chico is the suspected exposure. WGS has been completed for one STEC case and is in process for the 2nd. No other closely related recent STEC isolates have been identified.
 - 1 additional STEC case with onset [REDACTED] and exposure to Sycamore pool on [REDACTED] was subsequently identified.
- Sycamore pool is a man-made concrete swimming 'pool' with fresh natural recreational water and is connected to Big Chico Creek
- On 7/1/25, the City of Chico issued a [swimming advisory](#) at Sycamore pool due to elevated E. coli levels from routine testing. Samples are routinely collected upstream and downstream from Sycamore pool. The [pool is closed 7/16-7/18](#) for routine sediment removal/cleaning.
- Butte County has now identified 2 additional STEC cases, onsets [REDACTED] with exposure to the [Five Mile recreational area](#) in Chico, which is also connected to the Big Chico Creek but is about 3 miles east of Sycamore Pool. WGS is pending to determine if these cases have STEC isolates that are related to cases with Sycamore pool exposure.

Thank you, and Cameron please chime in if I've missed any relevant info.

Kat

Katherine Lamba, MPH (she/her)
Epidemiologist
Disease Investigations Section | Infectious Diseases Branch
Center for Infectious Diseases
California Department of Public Health
Phone: 510-620-3429 | Email: Katherine.Lamba@cdph.ca.gov
IDB-DIS general inbox: IDB-DIS@cdph.ca.gov



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Beaudoin, Jarett

From: Beaudoin, Jarett
Sent: Friday, August 15, 2025 10:24 AM
To: Wais, Ashley
Subject: Fw: CDC Environmental Testing Results Associated with STEC O157 cases exposed to natural recreational water in Butte County, CA

Catching up on my emails. Did you email this gal already?

-Jarett

From: Mattioli, Mia Catharine (CDC/NCEZID/DFWED/WDPB) <kuk9@cdc.gov>
Sent: Monday, August 11, 2025 2:51 PM
To: Wais, Ashley <AWais@buttecounty.net>; Beaudoin, Jarett <JBeaudoin@buttecounty.net>
Subject: RE: CDC Environmental Testing Results Associated with STEC O157 cases exposed to natural recreational water in Butte County, CA

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Wonderful! I'm so glad you spoke with John. He's a good friend of mine and a wonderful resource for this work, as well as familiar with Lake Wildwood for context.

I also wanted to share that I heard back from my contact, and they recommended you all reach out to Rebecca Fitzgerald at the CA Water Board who is the head of their surface water program (rebecca@waterboards.ca.gov).

Hope your meeting goes well tomorrow and don't hesitate to reach out!

Mia

Mia Catharine Mattioli
Environmental Engineer
Centers for Disease Control and Prevention (CDC)
Department of Health and Human Services (HHS)
Office: (404) 718-5643

From: Wais, Ashley <AWais@buttecounty.net>
Sent: Monday, August 11, 2025 5:26 PM
To: Mattioli, Mia Catharine (CDC/NCEZID/DFWED/WDPB) <kuk9@cdc.gov>
Subject: RE: CDC Environmental Testing Results Associated with STEC O157 cases exposed to natural recreational water in Butte County, CA

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Hi Mia,

Thank you so much for all of your support and guidance . Your insight has been greatly appreciated and truly valued throughout this response. Dr. Beaudoin and I spoke with Dr. Griffith a few weeks ago, and he does seem like he would be an excellent resource as we move forward with the source investigation.

Thank you again!

Ashley Wais, MPH, CIC®

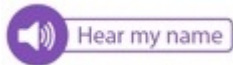
Epidemiologist

[BUTTE COUNTY PUBLIC HEALTH](#)

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<https://www.buttecounty.net/610/Public-Health>



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From: Mattioli, Mia Catharine (CDC/NCEZID/DFWED/WDPB) <kuk9@cdc.gov>

Sent: Monday, August 11, 2025 2:06 PM

To: McKeel, Haley (CDC/NCEZID/DFWED/EDLB) <hvw0@cdc.gov>; Lamba, Katherine@CDPH <Katherine.Lamba@cdph.ca.gov>; Miko, Shanna (CDC/NCEZID/DFWED/WDPB) <rhu6@cdc.gov>; Kahler, Amy (CDC/NCEZID/DFWED/WDPB) <ete1@cdc.gov>; Bond, Christian R@CDPH <Christian.Bond@cdph.ca.gov>; Parker, Thomas <TParker@buttecounty.net>; Beaudoin, Jarett <JBeaudoin@buttecounty.net>; Wais, Ashley <AWais@buttecounty.net>

Cc: Roundtree, Alexis V. (CDC/NCEZID/DFWED/WDPB) (CTR) <hzi5@cdc.gov>; Kunz, Jasen M. (CDC/NCEZID/DFWED/WDPB) <izk0@cdc.gov>; Strockbine, Nancy (CDC/NCEZID/DFWED/EDLB) <nas6@cdc.gov>; PulseNet (CDC) <pulsenet@cdc.gov>; Stainken, Cameron (CDC cdph.ca.gov) <cameron.stainken@cdph.ca.gov>; MacGurn, Amanda (CDC/NCEZID/DFWED/WDPB) <wmmh9@cdc.gov>

Subject: CDC Environmental Testing Results Associated with STEC O157 cases exposed to natural recreational water in Butte County, CA

Hi All,

Thank you for the great discussion today regarding the results from the environmental investigation associated with the *E. coli* O157:H7 rec water associated outbreak in Butte County, CA. Please see the attached report of the results.

Briefly, *E. coli* O157:H7 was cultured from the large-volume (DEUF) water and sediment samples collected from Sycamore Pool, Chico Creek Nature Center, and Five Mile Recreational Area. The *E. coli* O157:H7 environmental isolates were whole genome sequenced and genetically confirmed as Shiga toxin-producing *E. coli*, serotype O157:H7, positive for the *stx2a*, *stx2c*, *eae*, and *ehxA* genes. All isolates are closely related to the outbreak clinical isolates belonging to PulseNet cluster code [REDACTED] (i.e., within 0-2 alleles of each other by core genome multilocus sequence typing). Generic *E. coli* levels ranged from 6.3 to 137.4 most probable number (MPN) per 100 ml in water samples where cases were exposed and *E. coli* O157:H7 was detected (Sycamore Pool, CCNC, 5 Mile Rec Area).

The avian fecal marker was detected in all DEUF water and sediment samples. However, the goose-specific DNA marker was only detected from water and sediment at Horseshoe Lake where geese are reported to frequent. The ruminant fecal

marker was detected in water from Sycamore Pool, CCNC, and Five Mile Rec Area, as well as from sediment at Five Mile Rec Area. However, the cow-specific fecal marker was not detected in any samples evaluated. Finally, the human fecal marker was also detected in water from Sycamore Pool, CCNC, and Five Mile Rec Area. As the water samples were collected starting downstream and moving upstream, these results suggest ongoing contamination flowing in the creek at the time of collection.

Per our discussion today, I've also attached the GA Dept of Natural Resource sign that was developed following a fatal *E. coli* O157:H7 case associated with an untreated recreational venue. I've also included a document that provides a summary of signages used by jurisdictions across the US for your reference. As for the Water Quality Control Boards, my contact is left, but I'm still going to reach out to see who they would recommend. From their website, looks like the surface water monitoring program information for the region is provided [here](#), and facilitated through a wonderful group out of southern CA, the Southern California Coastal Water Research Project (SCCWRP). [John Griffith with SCCWRP](#) consulted on the Lake Wildwood follow-up work as well (they planned a monitoring research study, but the county decided not to support it moving forward).

Please let us know if you need any further support, and as mentioned, we'd be happy to review any communications materials if helpful.

Thanks again,

Mia

Mia Catharine Mattioli
Environmental Engineer
Centers for Disease Control and Prevention (CDC)
Department of Health and Human Services (HHS)
Office: (404) 718-5643

From: McKeel, Haley (CDC/NCEZID/DFWED/EDLB) <hvw0@cdc.gov>
Sent: Monday, August 11, 2025 1:23 PM
To: Lamba, Katherine@CDPH <Katherine.Lamba@cdph.ca.gov>; Miko, Shanna (CDC/NCEZID/DFWED/WDPB) <rhu6@cdc.gov>; Kahler, Amy (CDC/NCEZID/DFWED/WDPB) <ete1@cdc.gov>; Bond, Christian R@CDPH <Christian.Bond@cdph.ca.gov>; Mattioli, Mia Catharine (CDC/NCEZID/DFWED/WDPB) <kuk9@cdc.gov>; Parker, Thomas <TParker@buttecounty.net>; Beaudoin, Jarett <jbeaudoin@buttecounty.net>
Cc: Roundtree, Alexis V. (CDC/NCEZID/DFWED/WDPB) (CTR) <hzi5@cdc.gov>; Kunz, Jasen M. (CDC/NCEZID/DFWED/WDPB) <izk0@cdc.gov>; Strockbine, Nancy (CDC/NCEZID/DFWED/EDLB) <nas6@cdc.gov>; PulseNet (CDC) <pulsenet@cdc.gov>; Stainken, Cameron (CDC cdph.ca.gov) <cameron.stainken@cdph.ca.gov>; MacGurn, Amanda (CDC/NCEZID/DFWED/WDPB) <wmh9@cdc.gov>
Subject: RE: Consultation re: STEC O157 cases exposed to natural recreational water in Butte County, CA

Hi all,

I wanted to provide an update that the environmental isolates recovered from both water and sediment samples at each Sycamore Pool (including sediment collected 7/17), CCNC, and 5 Mile locations have now been confirmed as Shiga toxin-producing *Escherichia coli* O157:H7 and are positive for *stx2* genes.

An update from our PulseNet colleagues is the clinical isolates and these environmental isolates are related by WGS within 0-2 allele differences.

As previously mentioned, *E. coli* O157 was not isolated from any of the goose scat samples sent to CDC.

Sincerely,
Haley



Haley McKeel
Microbiologist

Centers for Disease Control and Prevention (CDC)
Department of Health and Human Services (HHS)
404-639-1612 (office)

From: Lamba, Katherine@CDPH <Katherine.Lamba@cdph.ca.gov>

Sent: Thursday, July 31, 2025 7:53 PM

To: McKeel, Haley (CDC/NCEZID/DFWED/EDLB) <hvw0@cdc.gov>; Miko, Shanna (CDC/NCEZID/DFWED/WDPB) <rhu6@cdc.gov>; Kahler, Amy (CDC/NCEZID/DFWED/WDPB) <ete1@cdc.gov>; Bond, Christian R@CDPH <Christian.Bond@cdph.ca.gov>; Mattioli, Mia Catharine (CDC/NCEZID/DFWED/WDPB) <kuk9@cdc.gov>; Parker, Thomas <TParker@buttecounty.net>; Beaudoin, Jarett <jbeaudoin@buttecounty.net>

Cc: Roundtree, Alexis V. (CDC/NCEZID/DFWED/WDPB) (CTR) <hzi5@cdc.gov>; Kunz, Jasen M. (CDC/NCEZID/DFWED/WDPB) <izk0@cdc.gov>; Strockbine, Nancy (CDC/NCEZID/DFWED/EDLB) <nas6@cdc.gov>; PulseNet (CDC) <pulsenet@cdc.gov>; Stainken, Cameron (CDC cdph.ca.gov) <cameron.stainken@cdph.ca.gov>; MacGurn, Amanda (CDC/NCEZID/DFWED/WDPB) <wmh9@cdc.gov>

Subject: RE: Consultation re: STEC O157 cases exposed to natural recreational water in Butte County, CA

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Hi all,

[Redacted]

[Redacted]	[Redacted]	[Redacted]	[Redacted]	[Redacted]	[Redacted]	[Redacted]	[Redacted]
[Redacted]	[Redacted]	[Redacted]	[Redacted]	[Redacted]	[Redacted]	[Redacted]	[Redacted]
[Redacted]	[Redacted]	[Redacted]	[Redacted]	[Redacted]	[Redacted]	[Redacted]	[Redacted]
[Redacted]	[Redacted]	[Redacted]	[Redacted]	[Redacted]	[Redacted]	[Redacted]	[Redacted]
[Redacted]	[Redacted]	[Redacted]	[Redacted]	[Redacted]	[Redacted]	[Redacted]	[Redacted]
[Redacted]	[Redacted]	[Redacted]	[Redacted]	[Redacted]	[Redacted]	[Redacted]	[Redacted]
[Redacted]	[Redacted]	[Redacted]	[Redacted]	[Redacted]	[Redacted]	[Redacted]	[Redacted]

Kat

Katherine Lamba, MPH (she/her)
California Department of Public Health
Phone: 510-620-3429 | Email: Katherine.Lamba@cdph.ca.gov

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From: McKeel, Haley (CDC/NCEZID/DFWED/EDLB) <hvw0@cdc.gov>
Sent: Wednesday, July 30, 2025 6:40 AM
To: Miko, Shanna (CDC/NCEZID/DFWED/WDPB) <rhu6@cdc.gov>; Lamba, Katherine@CDPH <Katherine.Lamba@cdph.ca.gov>; Kahler, Amy (CDC/NCEZID/DFWED/WDPB) <ete1@cdc.gov>; Bond, Christian R@CDPH <Christian.Bond@cdph.ca.gov>; Hummadi, Omar@CDPH <Omar.Hummadi@cdph.ca.gov>; Kiang, David@CDPH <David.Kiang@cdph.ca.gov>; Mattioli, Mia Catharine (CDC/NCEZID/DFWED/WDPB) <kuk9@cdc.gov>; Parker, Thomas <TParker@buttecounty.net>; Beaudoin, Jarett <jbeaudoin@buttecounty.net>
Cc: Roundtree, Alexis V. (CDC/NCEZID/DFWED/WDPB) (CTR) <hzi5@cdc.gov>; Kunz, Jasen M. (CDC/NCEZID/DFWED/WDPB) <izk0@cdc.gov>; Strockbine, Nancy (CDC/NCEZID/DFWED/EDLB) <nas6@cdc.gov>; PulseNet (CDC) <pulsenet@cdc.gov>; Stainken, Cameron@CDPH <Cameron.Stainken@cdph.ca.gov>; MacGurn, Amanda (CDC/NCEZID/DFWED/WDPB) <wmh9@cdc.gov>
Subject: RE: Consultation re: STEC O157 cases exposed to natural recreational water in Butte County, CA

Also adding @PulseNet (CDC) back to the thread for awareness. And good news - I did see all four clinical isolates on NCBI this morning. We'll be on the lookout for the shipment of goose scat samples today.

Many thanks,
Haley



Haley McKeel
Microbiologist

Centers for Disease Control and Prevention (CDC)
Department of Health and Human Services (HHS)
404-639-1612 (office)

From: Miko, Shanna (CDC/NCEZID/DFWED/WDPB) <rhu6@cdc.gov>
Sent: Wednesday, July 30, 2025 9:33 AM
To: Katherine.Lamba@cdph.ca.gov; Kahler, Amy (CDC/NCEZID/DFWED/WDPB) <ete1@cdc.gov>; McKeel, Haley (CDC/NCEZID/DFWED/EDLB) <hvw0@cdc.gov>; Christian.Bond@cdph.ca.gov; Omar.Hummadi@cdph.ca.gov; David.Kiang@cdph.ca.gov; Mattioli, Mia Catharine (CDC/NCEZID/DFWED/WDPB) <kuk9@cdc.gov>; Parker, Thomas <TParker@buttecounty.net>; Beaudoin, Jarett <jbeaudoin@buttecounty.net>; Miko, Shanna (CDC/NCEZID/DFWED/WDPB) <rhu6@cdc.gov>
Cc: Roundtree, Alexis V. (CDC/NCEZID/DFWED/WDPB) (CTR) <hzi5@cdc.gov>; Kunz, Jasen M. (CDC/NCEZID/DFWED/WDPB) <izk0@cdc.gov>; Strockbine, Nancy (CDC/NCEZID/DFWED/EDLB) <nas6@cdc.gov>; Stainken, Cameron (CDC cdph.ca.gov) <cameron.stainken@cdph.ca.gov>; MacGurn, Amanda (CDC/NCEZID/DFWED/WDPB) <wmh9@cdc.gov>
Subject: RE: Consultation re: STEC O157 cases exposed to natural recreational water in Butte County, CA

Adding @Miko, Shanna (CDC/NCEZID/DFWED/WDPB) back to thread for outbreak coordination POC, I think I fell off when on leave.

From: Kunz, Jasen M. (CDC/NCEZID/DFWED/WDPB) <izk0@cdc.gov>
Sent: Tuesday, July 29, 2025 4:32 PM
To: Miko, Shanna (CDC/NCEZID/DFWED/WDPB) <rhu6@cdc.gov>
Subject: Fw: Consultation re: STEC O157 cases exposed to natural recreational water in Butte County, CA

Looks like your name was left off.

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From: Wais, Ashley <AWais@buttecounty.net>
Sent: Tuesday, July 29, 2025 3:32:05 PM
To:
Cc:
Subject: RE: Consultation re: STEC O157 cases exposed to natural recreational water in Butte County, CA

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Thank you Amy and CDC team for this update. We greatly appreciate the quick response! The goose scat samples should arrive at CDC tomorrow.

Thank you again,

Ashley Wais, MPH, CIC®

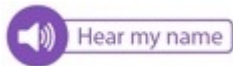
Epidemiologist

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From: Lamba, Katherine@CDPH <Katherine.Lamba@cdph.ca.gov>
Sent: Tuesday, July 29, 2025 12:27 PM
To: Kahler, Amy (CDC/NCEZID/DFWED/WDPB) <ete1@cdc.gov>; McKeel, Haley (CDC/NCEZID/DFWED/EDLB) <hvw0@cdc.gov>; Wais, Ashley <AWais@buttecounty.net>; Bond, Christian R@CDPH <Christian.Bond@cdph.ca.gov>; Hummadi, Omar@CDPH <Omar.Hummadi@cdph.ca.gov>; Kiang, David@CDPH <David.Kiang@cdph.ca.gov>; Mattioli, Mia Catharine (CDC/NCEZID/DFWED/WDPB) <kuk9@cdc.gov>; Parker, Thomas <TParker@buttecounty.net>
Cc: Roundtree, Alexis V. (CDC/NCEZID/DFWED/WDPB) (CTR) <hzi5@cdc.gov>; Kunz, Jasen M. (CDC/NCEZID/DFWED/WDPB) <izk0@cdc.gov>; Strockbine, Nancy (CDC/NCEZID/DFWED/EDLB) <nas6@cdc.gov>; Stainken, Cameron@CDPH <Cameron.Stainken@cdph.ca.gov>
Subject: RE: Consultation re: STEC O157 cases exposed to natural recreational water in Butte County, CA

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Wow- BIG thank you to the CDC team for the support and the quick laboratory testing!

Quick update on CDPH end- the first 4 isolates sequenced have been given PulseNet cluster code [REDACTED] (no other isolates included in that cluster). Only 1 of the isolates ([REDACTED]) has shown up in NCBI so far and I've been in communication with PulseNet and our lab to sort out some submission/NCBI upload issues.

Kat

Katherine Lamba, MPH (she/her)
California Department of Public Health
Phone: 510-620-3429 | Email: Katherine.Lamba@cdph.ca.gov

Confidential - Low

From: Kahler, Amy (CDC/NCEZID/DFWED/WDPB) <ete1@cdc.gov>
Sent: Tuesday, July 29, 2025 12:16 PM
To: McKeel, Haley (CDC/NCEZID/DFWED/EDLB) <hvw0@cdc.gov>; Wais, Ashley <AWais@buttecounty.net>; Bond, Christian R@CDPH <Christian.Bond@cdph.ca.gov>; Hummadi, Omar@CDPH <Omar.Hummadi@cdph.ca.gov>; Kiang, David@CDPH <David.Kiang@cdph.ca.gov>; Mattioli, Mia Catharine (CDC/NCEZID/DFWED/WDPB) <kuk9@cdc.gov>; Lamba, Katherine@CDPH <Katherine.Lamba@cdph.ca.gov>; Parker, Thomas <TParker@buttecounty.net>
Cc: Roundtree, Alexis V. (CDC/NCEZID/DFWED/WDPB) (CTR) <hzi5@cdc.gov>; Kunz, Jasen M. (CDC/NCEZID/DFWED/WDPB) <izk0@cdc.gov>; Strockbine, Nancy (CDC/NCEZID/DFWED/EDLB) <nas6@cdc.gov>; Stainken, Cameron@CDPH <Cameron.Stainken@cdph.ca.gov>
Subject: RE: Consultation re: STEC O157 cases exposed to natural recreational water in Butte County, CA

Hi all,

We wanted to provide a few updates on the progress of environmental testing at CDC. Samples arrived in great condition on Friday and we started processing ASAP. We have detected presumptive-positive O157 isolates that are stx1-negative and stx2-positive from the following sites/samples:

- Sycamore pool water and sediment collected 7/24. There are signs that the sediment collected on 7/17 may also be positive, but our work on those isolates is still pending.
- CCNC water and sediment samples.
- 5 Mile water and sediment samples.

No O157 was detected from the Horeshoe Lake and Alligator Hole sites. We have handed off the presumptive-positive isolates to the Enteric Disease Laboratory Branch for complete workup and confirmation of these preliminary results. We'll also be conducting microbial source tracking PCR for human, ruminant, and bird markers and will follow up with those results as soon as we have them.

Thanks all,
Amy

From: McKeel, Haley (CDC/NCEZID/DFWED/EDLB) <hvw0@cdc.gov>
Sent: Friday, July 25, 2025 9:47 PM
To: Wais, Ashley <AWais@buttecounty.net>; 'Bond, Christian R@CDPH' <Christian.Bond@cdph.ca.gov>; Hummadi, Omar@CDPH <Omar.Hummadi@cdph.ca.gov>; Kiang, David@CDPH <David.Kiang@cdph.ca.gov>; Mattioli, Mia Catharine (CDC/NCEZID/DFWED/WDPB) <kuk9@cdc.gov>; Lamba, Katherine@CDPH <Katherine.Lamba@cdph.ca.gov>; Parker, Thomas <TParker@buttecounty.net>
Cc: Kahler, Amy (CDC/NCEZID/DFWED/WDPB) <ete1@cdc.gov>; Roundtree, Alexis V. (CDC/NCEZID/DFWED/WDPB)

(CTR) <hzi5@cdc.gov>; Kunz, Jasen M. (CDC/NCEZID/DFWED/WDPB) <izk0@cdc.gov>; Strockbine, Nancy (CDC/NCEZID/DFWED/EDLB) <nas6@cdc.gov>; Stainken, Cameron (CDC cdph.ca.gov) <cameron.stainken@cdph.ca.gov>

Subject: RE: Consultation re: STEC O157 cases exposed to natural recreational water in Butte County, CA

Hi Ashley,

Thank you for the update and apologies for the delay in responding as I was out of the office today. The Enteric Diseases Laboratory Branch at CDC has capacity to test the geese scat samples; although, the total number may depend on available resources.

The specimens can be shipped to CDC under test order [CDC-10106 | Enteric Isolation - Primary Specimen - Non-CLIA](#) at the following address:

Attn: Haley McKeel
Centers for Disease Control and Prevention
RDSB/STAT Unit 129
1600 Clifton Road, NE
Atlanta, GA 30329
404-639-1612

As a note, all samples must be shipped in accordance with all applicable local, state, and federal regulations. Please ship for next day arrival and include ice packs in the shipment to keep the specimens cool during transit. The CDC website has some additional information regarding packing and shipping specimens: [CDC Fact Sheet](#).

I've attached a copy of our global file accessioning template that will need to be returned by email ahead of the shipment's arrival at CDC. I've prepopulated several of the fields as well as hidden many of the columns to hopefully make it easier to complete. Please populate any relevant columns (including a unique specimen ID (Column BE) for each sample collected) on the Animal tab as well as the Submitter tab with the Butte County information. Any information about the collection sites that are unique between samples would be helpful to note either in the Comments field (column FC) or in the orange Field Collection section.

Please let me know if you have any questions. I'll be back in the office on Tuesday but will be monitoring emails periodically until then as well.

Sincerely,
Haley



Haley McKeel
Microbiologist
Centers for Disease Control and Prevention (CDC)
Department of Health and Human Services (HHS)
404-639-1612 (office)

From: Wais, Ashley <AWais@buttecounty.net>

Sent: Friday, July 25, 2025 2:31 PM

To: 'Bond, Christian R@CDPH' <Christian.Bond@cdph.ca.gov>; Hummadi, Omar@CDPH <Omar.Hummadi@cdph.ca.gov>; Kiang, David@CDPH <David.Kiang@cdph.ca.gov>; Mattioli, Mia Catharine

(CDC/NCEZID/DFWED/WDPB) <kuk9@cdc.gov>; Lamba, Katherine@CDPH <Katherine.Lamba@cdph.ca.gov>; Parker, Thomas <TParker@buttecounty.net>; McKeel, Haley (CDC/NCEZID/DFWED/EDLB) <hvw0@cdc.gov>

Cc: Kahler, Amy (CDC/NCEZID/DFWED/WDPB) <ete1@cdc.gov>; Roundtree, Alexis V. (CDC/NCEZID/DFWED/WDPB) (CTR) <hzi5@cdc.gov>; Kunz, Jasen M. (CDC/NCEZID/DFWED/WDPB) <izk0@cdc.gov>; Stainken, Cameron (CDC cdph.ca.gov) <cameron.stainken@cdph.ca.gov>

Subject: RE: Consultation re: STEC O157 cases exposed to natural recreational water in Butte County, CA

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Hi all-

I spoke with Christian over the phone to discuss the goose scat sample testing. During our discussion, it was decided that it would be best to send the samples over to the CDC lab due to staffing issues at the CDPH lab. I also spoke with Mia and it seems like the CDC lab does have capacity to test those samples. We collected a total of 9 goose scat samples in Cary Blair Transport Medium.

CDC: Please share what location these samples should be shipped to and any other pertinent details (I am assuming these should be shipped with ice packs?). We were not planning on shipping until Monday.

Thank you all for your support with this endeavor. It is greatly appreciated.

Kindly,

Ashley Wais, MPH, CIC®

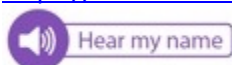
Epidemiologist

[BUTTE COUNTY PUBLIC HEALTH](#)

[202 Mira Loma Drive | Oroville, CA 95965](#)

T: [530-552-3950](tel:530-552-3950) | M: [530-300-4166](tel:530-300-4166)

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From: Bond, Christian R@CDPH <Christian.Bond@cdph.ca.gov>

Sent: Friday, July 25, 2025 10:57 AM

To: Wais, Ashley <AWais@buttecounty.net>; Hummadi, Omar@CDPH <Omar.Hummadi@cdph.ca.gov>; Kiang, David@CDPH <David.Kiang@cdph.ca.gov>; Mattioli, Mia Catharine (CDC/NCEZID/DFWED/WDPB) <kuk9@cdc.gov>; Lamba, Katherine@CDPH <Katherine.Lamba@cdph.ca.gov>; Parker, Thomas <TParker@buttecounty.net>; McKeel, Haley (CDC/NCEZID/DFWED/EDLB) <hvw0@cdc.gov>

Cc: Kahler, Amy (CDC/NCEZID/DFWED/WDPB) <ete1@cdc.gov>; Roundtree, Alexis V. (CDC/NCEZID/DFWED/WDPB) (CTR) <hzi5@cdc.gov>; Kunz, Jasen M. (CDC/NCEZID/DFWED/WDPB) <izk0@cdc.gov>; Stainken, Cameron@CDPH <Cameron.Stainken@cdph.ca.gov>

Subject: RE: Consultation re: STEC O157 cases exposed to natural recreational water in Butte County, CA

ATTENTION: This message originated from outside **Butte County**. Please exercise judgment before opening attachments, clicking on links, or replying.

Hi Ashley,

My team is extremely short-staffed next week due to other assignments, and we will not have personnel to receive samples on either Tuesday or Wednesday. Would it be possible to send a team member to handoff the samples to my team at a midpoint on Monday morning? Maybe somewhere in Yuba City or Marysville?

Christian Bond
Chief, Emergency Response Unit
California Department of Public Health
(916) 612-3625

Confidential - Low

From: Wais, Ashley <AWais@buttecounty.net>
Sent: Friday, July 25, 2025 10:48 AM
To: Hummadi, Omar@CDPH <Omar.Hummadi@cdph.ca.gov>; Kiang, David@CDPH <David.Kiang@cdph.ca.gov>; Mattioli, Mia Catharine (CDC/NCEZID/DFWED/WDPB) <kuk9@cdc.gov>; Lamba, Katherine@CDPH <Katherine.Lamba@cdph.ca.gov>; Parker, Thomas <TParker@buttecounty.net>; McKeel, Haley (CDC/NCEZID/DFWED/EDLB) <hvw0@cdc.gov>
Cc: Kahler, Amy (CDC/NCEZID/DFWED/WDPB) <ete1@cdc.gov>; Roundtree, Alexis V. (CDC/NCEZID/DFWED/WDPB) (CTR) <hzj5@cdc.gov>; Kunz, Jasen M. (CDC/NCEZID/DFWED/WDPB) <izk0@cdc.gov>; Stainken, Cameron@CDPH <Cameron.Stainken@cdph.ca.gov>; Bond, Christian R@CDPH <Christian.Bond@cdph.ca.gov>
Subject: Re: Consultation re: STEC O157 cases exposed to natural recreational water in Butte County, CA

You don't often get email from awais@buttecounty.net. [Learn why this is important](#)

Hi Omar,

Thank you for the update. We do not plan to ship until Monday. I will let our lab know we are waiting for more details from CDPH regarding shipping method.

Thank you,

Ashley Wais, MPH, CIC®

Epidemiologist

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From: Hummadi, Omar@CDPH <Omar.Hummadi@cdph.ca.gov>

Sent: Friday, July 25, 2025 10:26 AM

To: Wais, Ashley <AWais@buttecounty.net>; Kiang, David@CDPH <David.Kiang@cdph.ca.gov>; Mattioli, Mia Catharine (CDC/NCEZID/DFWED/WDPB) <kuk9@cdc.gov>; Lamba, Katherine@CDPH <Katherine.Lamba@cdph.ca.gov>; Parker, Thomas <TParker@buttecounty.net>; McKeel, Haley (CDC/NCEZID/DFWED/EDLB) <hvw0@cdc.gov>

Cc: Kahler, Amy (CDC/NCEZID/DFWED/WDPB) <ete1@cdc.gov>; Roundtree, Alexis V. (CDC/NCEZID/DFWED/WDPB) (CTR) <hzi5@cdc.gov>; Kunz, Jasen M. (CDC/NCEZID/DFWED/WDPB) <izk0@cdc.gov>; Stainken, Cameron@CDPH <Cameron.Stainken@cdph.ca.gov>; Bond, Christian R@CDPH <Christian.Bond@cdph.ca.gov>

Subject: RE: Consultation re: STEC O157 cases exposed to natural recreational water in Butte County, CA

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Hi Ashley,

You are welcome! Please hold off on shipping the samples until I get a confirmation from Christian bond regarding the sample's delivery method.

Yes, ship the samples with ice packs and Butte County PHL chain of custody forms it's perfectly fine 👍

Regards,

Omar Hummadi
Senior Environmental Scientist Specialist
CDPH - FDB - ERU

Confidential - Low

From: Wais, Ashley <AWais@buttecounty.net>

Sent: Friday, July 25, 2025 10:05 AM

To: Hummadi, Omar@CDPH <Omar.Hummadi@cdph.ca.gov>; Kiang, David@CDPH <David.Kiang@cdph.ca.gov>; Mattioli, Mia Catharine (CDC/NCEZID/DFWED/WDPB) <kuk9@cdc.gov>; Lamba, Katherine@CDPH <Katherine.Lamba@cdph.ca.gov>; Parker, Thomas <TParker@buttecounty.net>; McKeel, Haley (CDC/NCEZID/DFWED/EDLB) <hvw0@cdc.gov>

Cc: Kahler, Amy (CDC/NCEZID/DFWED/WDPB) <ete1@cdc.gov>; Roundtree, Alexis V. (CDC/NCEZID/DFWED/WDPB) (CTR) <hzi5@cdc.gov>; Kunz, Jasen M. (CDC/NCEZID/DFWED/WDPB) <izk0@cdc.gov>; Stainken, Cameron@CDPH <Cameron.Stainken@cdph.ca.gov>; Bond, Christian R@CDPH <Christian.Bond@cdph.ca.gov>

Subject: RE: Consultation re: STEC O157 cases exposed to natural recreational water in Butte County, CA

Hi Omar,

Thank you for the update. Should the shipment be on ice packs? Is there any other details we should be aware of? Butte County PHL has their own chain of custody forms. Is it ok to use those?

Thank you,

Ashley Wais, MPH, CIC®

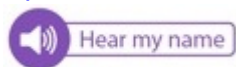
Epidemiologist

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From: Hummadi, Omar@CDPH <Omar.Hummadi@cdph.ca.gov>

Sent: Friday, July 25, 2025 7:27 AM

To: Wais, Ashley <AWais@buttecounty.net>; Kiang, David@CDPH <David.Kiang@cdph.ca.gov>; Mattioli, Mia Catharine (CDC/NCEZID/DFWED/WDPB) <kuk9@cdc.gov>; Lamba, Katherine@CDPH <Katherine.Lamba@cdph.ca.gov>; Parker, Thomas <TParker@buttecounty.net>; McKeel, Haley (CDC/NCEZID/DFWED/EDLB) <hvw0@cdc.gov>

Cc: Kahler, Amy (CDC/NCEZID/DFWED/WDPB) <ete1@cdc.gov>; Roundtree, Alexis V. (CDC/NCEZID/DFWED/WDPB) (CTR) <hj5@cdc.gov>; Kunz, Jasen M. (CDC/NCEZID/DFWED/WDPB) <izk0@cdc.gov>; Stainken, Cameron@CDPH <Cameron.Stainken@cdph.ca.gov>; Bond, Christian R@CDPH <Christian.Bond@cdph.ca.gov>

Subject: RE: Consultation re: STEC O157 cases exposed to natural recreational water in Butte County, CA

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Good morning, everyone!

Ashley - Ship the samples to Christian Bond at:

California Department of Public Health
Food and Drug Branch
1500 Capitol Ave MS 7602
Sacramento, CA, 95814

Note: Please make sure to include all the chain of custody forms/documents.

Happy Friday!

Regards,

Omar Hummadi
Senior Environmental Scientist
Foodborne Illness Outbreak Specialist
Desk Phone: 916-319-9661

Cell phone: 916-591-1374
Fax number: 916-636-6013
E-mail: Omar.Hummadi@cdph.ca.gov

Confidential - Low

From: Wais, Ashley <AWais@buttecounty.net>
Sent: Friday, July 25, 2025 7:04 AM
To: Kiang, David@CDPH <David.Kiang@cdph.ca.gov>; Mattioli, Mia Catharine (CDC/NCEZID/DFWED/WDPB) <kuk9@cdc.gov>; Lamba, Katherine@CDPH <Katherine.Lamba@cdph.ca.gov>; Parker, Thomas <TParker@buttecounty.net>; McKeel, Haley (CDC/NCEZID/DFWED/EDLB) <hvw0@cdc.gov>; Hummadi, Omar@CDPH <Omar.Hummadi@cdph.ca.gov>
Cc: Kahler, Amy (CDC/NCEZID/DFWED/WDPB) <ete1@cdc.gov>; Roundtree, Alexis V. (CDC/NCEZID/DFWED/WDPB) (CTR) <hzi5@cdc.gov>; Kunz, Jasen M. (CDC/NCEZID/DFWED/WDPB) <izk0@cdc.gov>; Stainken, Cameron@CDPH <Cameron.Stainken@cdph.ca.gov>; Bond, Christian R@CDPH <Christian.Bond@cdph.ca.gov>
Subject: Re: Consultation re: STEC O157 cases exposed to natural recreational water in Butte County, CA

Hi Dr. Kiang,

Thank you for this update. We collected goose scat in the tubes with Cary Blair. We should have no more than 10 samples. What is the process for sending to CDPH? Do you usually receive shipments from our Butte County PHL. I just wanted to check in case there is already a process in place we can use.

Thank you,

Ashley Wais, MPH, CIC®

Epidemiologist

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From: Kiang, David@CDPH <David.Kiang@cdph.ca.gov>
Sent: Thursday, July 24, 2025 5:40 PM
To: Mattioli, Mia Catharine (CDC/NCEZID/DFWED/WDPB) <kuk9@cdc.gov>; Lamba, Katherine@CDPH <Katherine.Lamba@cdph.ca.gov>; Wais, Ashley <AWais@buttecounty.net>; Parker, Thomas

<TParker@buttecounty.net>; McKeel, Haley (CDC/NCEZID/DFWED/EDLB) <hvw0@cdc.gov>; Hummadi, Omar@CDPH <Omar.Hummadi@cdph.ca.gov>

Cc: Kahler, Amy (CDC/NCEZID/DFWED/WDPB) <ete1@cdc.gov>; Roundtree, Alexis V. (CDC/NCEZID/DFWED/WDPB) (CTR) <hzi5@cdc.gov>; Kunz, Jasen M. (CDC/NCEZID/DFWED/WDPB) <izk0@cdc.gov>; Stainken, Cameron@CDPH <Cameron.Stainken@cdph.ca.gov>; Bond, Christian R@CDPH <Christian.Bond@cdph.ca.gov>; Kiang, David@CDPH <David.Kiang@cdph.ca.gov>

Subject: RE: Consultation re: STEC O157 cases exposed to natural recreational water in Butte County, CA

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Hi Mia,

If they don't have bags, the preference is to collect them as is in the 50 ml conicals. If they're already collected in Cary Blair, It's fine, we can still take them.

Thanks,
David

Confidential - Low

From: Mattioli, Mia Catharine (CDC/NCEZID/DFWED/WDPB) <kuk9@cdc.gov>

Sent: Thursday, July 24, 2025 12:35 PM

To: Kiang, David@CDPH <David.Kiang@cdph.ca.gov>; Lamba, Katherine@CDPH <Katherine.Lamba@cdph.ca.gov>; Wais, Ashley <AWais@buttecounty.net>; Parker, Thomas <TParker@buttecounty.net>; McKeel, Haley (CDC/NCEZID/DFWED/EDLB) <hvw0@cdc.gov>; Hummadi, Omar@CDPH <Omar.Hummadi@cdph.ca.gov>

Cc: Kahler, Amy (CDC/NCEZID/DFWED/WDPB) <ete1@cdc.gov>; Roundtree, Alexis V. (CDC/NCEZID/DFWED/WDPB) (CTR) <hzi5@cdc.gov>; Kunz, Jasen M. (CDC/NCEZID/DFWED/WDPB) <izk0@cdc.gov>; Stainken, Cameron@CDPH <Cameron.Stainken@cdph.ca.gov>; Bond, Christian R@CDPH <Christian.Bond@cdph.ca.gov>; Kiang, David@CDPH <David.Kiang@cdph.ca.gov>

Subject: Re: Consultation re: STEC O157 cases exposed to natural recreational water in Butte County, CA

Hi David,

Thanks so much. Unfortunately, the team doesn't have the bags and snips with them in the field. Will you accept them in Cary Blair? If not, they can send the CDC enterics lab.

Thanks!

Mia

Mia Catharine Mattioli
Environmental Engineer
Centers for Disease Control and Prevention (CDC)
Department of Health and Human Services (HHS)
Office: 404-718-5643

From: Kiang, David@CDPH <David.Kiang@cdph.ca.gov>

Sent: Thursday, July 24, 2025 2:51:14 PM

To: Lamba, Katherine@CDPH <Katherine.Lamba@cdph.ca.gov>; Mattioli, Mia Catharine (CDC/NCEZID/DFWED/WDPB) <kuk9@cdc.gov>; Wais, Ashley <AWais@buttecounty.net>; Parker, Thomas <TParker@buttecounty.net>; McKeel, Haley (CDC/NCEZID/DFWED/EDLB) <hvw0@cdc.gov>; Hummadi, Omar@CDPH <Omar.Hummadi@cdph.ca.gov>

Cc: Kahler, Amy (CDC/NCEZID/DFWED/WDPB) <ete1@cdc.gov>; Roundtree, Alexis V. (CDC/NCEZID/DFWED/WDPB) (CTR) <hzj5@cdc.gov>; Kunz, Jasen M. (CDC/NCEZID/DFWED/WDPB) <izk0@cdc.gov>; Stainken, Cameron (CDC cdph.ca.gov) <cameron.stainken@cdph.ca.gov>; Bond, Christian R@CDPH <Christian.Bond@cdph.ca.gov>; Kiang, David@CDPH <David.Kiang@cdph.ca.gov>

Subject: RE: Consultation re: STEC O157 cases exposed to natural recreational water in Butte County, CA

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Hi Kat,

We'd recommend collecting the scat directly into the Whirl-Pak bags using sterile scoops or spatulas as outlined by Omar in the email below and transporting to the FDB on ice packs. We prefer not to have them transported in Cary Blair.

Thanks,
David

David Kiang, PH.D.

Microbiology Section Chief

Food and Drug Laboratory Branch

California Department of Public Health

850 Marina Bay Parkway, G365

Richmond, CA 94804

(510) 412-3963

david.kiang@cdph.ca.gov



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From: Lamba, Katherine@CDPH <Katherine.Lamba@cdph.ca.gov>

Sent: Thursday, July 24, 2025 11:38 AM

To: Mattioli, Mia Catharine (CDC/NCEZID/DFWED/WDPB) <kuk9@cdc.gov>; Wais, Ashley <AWais@buttecounty.net>; Parker, Thomas <TParker@buttecounty.net>; McKeel, Haley (CDC/NCEZID/DFWED/EDLB) <hvw0@cdc.gov>; Hummadi, Omar@CDPH <Omar.Hummadi@cdph.ca.gov>; Kiang, David@CDPH <David.Kiang@cdph.ca.gov>

Cc: Kahler, Amy (CDC/NCEZID/DFWED/WDPB) <ete1@cdc.gov>; Roundtree, Alexis V. (CDC/NCEZID/DFWED/WDPB) (CTR) <hzi5@cdc.gov>; Kunz, Jasen M. (CDC/NCEZID/DFWED/WDPB) <izk0@cdc.gov>; Stainken, Cameron@CDPH <Cameron.Stainken@cdph.ca.gov>; Bond, Christian R@CDPH <Christian.Bond@cdph.ca.gov>

Subject: RE: Consultation re: STEC O157 cases exposed to natural recreational water in Butte County, CA

Hi Mia,

We have some folks out of the office today, so including @Hummadi, Omar@CDPH and @Kiang, David (CDPH-PS-DFDRS-FDLB) from Food and Drug and Food and Drug lab directly to advise which of the containers below for goose scat testing.

Kat

Katherine Lamba, MPH (she/her)
California Department of Public Health
Phone: 510-620-3429 | Email: Katherine.Lamba@cdph.ca.gov

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From: Mattioli, Mia Catharine (CDC/NCEZID/DFWED/WDPB) <kuk9@cdc.gov>

Sent: Thursday, July 24, 2025 11:30 AM

To: Lamba, Katherine@CDPH <Katherine.Lamba@cdph.ca.gov>; Wais, Ashley <AWais@buttecounty.net>; Parker, Thomas <TParker@buttecounty.net>; McKeel, Haley (CDC/NCEZID/DFWED/EDLB) <hvw0@cdc.gov>

Cc: Kahler, Amy (CDC/NCEZID/DFWED/WDPB) <ete1@cdc.gov>; Roundtree, Alexis V. (CDC/NCEZID/DFWED/WDPB) (CTR) <hzi5@cdc.gov>; Kunz, Jasen M. (CDC/NCEZID/DFWED/WDPB) <izk0@cdc.gov>; Stainken, Cameron@CDPH <Cameron.Stainken@cdph.ca.gov>; Bond, Christian R@CDPH <Christian.Bond@cdph.ca.gov>

Subject: RE: Consultation re: STEC O157 cases exposed to natural recreational water in Butte County, CA

Hi Ashley,

Thanks so much for sending this info! Ashley is out into the field with two 50-ml falcon tubes (empty) and ten 30-ml tubes filled with 15-ml of Cary Blair since that's what the CDC enterics lab recommended.

Which would you prefer she collect samples in for the scat testing?

Thanks!

Mia

Mia Catharine Mattioli
Environmental Engineer

From: Lamba, Katherine@CDPH <Katherine.Lamba@cdph.ca.gov>

Sent: Thursday, July 24, 2025 1:09 PM

To: Wais, Ashley <AWais@buttecounty.net>; Mattioli, Mia Catharine (CDC/NCEZID/DFWED/WDPB) <kuk9@cdc.gov>; Parker, Thomas <TParker@buttecounty.net>; McKeel, Haley (CDC/NCEZID/DFWED/EDLB) <hvw0@cdc.gov>

Cc: Kahler, Amy (CDC/NCEZID/DFWED/WDPB) <ete1@cdc.gov>; Roundtree, Alexis V. (CDC/NCEZID/DFWED/WDPB) (CTR) <hzi5@cdc.gov>; Kunz, Jasen M. (CDC/NCEZID/DFWED/WDPB) <izk0@cdc.gov>; Stainken, Cameron (CDC cdph.ca.gov) <cameron.stainken@cdph.ca.gov>; Bond, Christian R@CDPH <Christian.Bond@cdph.ca.gov>

Subject: RE: Consultation re: STEC O157 cases exposed to natural recreational water in Butte County, CA

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Hi Ashley,

Apologies for the delay. Sharing a few updates after gathering some additional information from our EH and lab folks:

- Goose feces samples can be tested by the CDPH Food and Drug Laboratory Branch. At this time they have capacity to test 10-20 goose feces samples
- Supplies needed for collection:
 - Sterile disposable spatulas or scoop.
 - Sterile 24 oz or 55 oz Whirl-Pak Bags.
 - Gloves.
- Ship the samples along with sealed controls of all the collection supplies that were used, with ice packs (optional) to the below address. The samples will be shipped to the CDPH Food and Drug Branch for logging before forwarded to the laboratory.
- Shipping: Please ship the samples to Christian Bond at:
California Department of Public Health
Food and Drug Branch
1500 Capitol Ave MS 7602
Sacramento, CA, 95814

Please let me know if you have additional questions for our EH/lab team at this time.

Thanks,
Kat

Katherine Lamba, MPH (she/her)
California Department of Public Health
Phone: 510-620-3429 | Email: Katherine.Lamba@cdph.ca.gov

Confidential - Low

From: Wais, Ashley <AWais@buttecounty.net>

Sent: Wednesday, July 23, 2025 9:27 AM

To: Lamba, Katherine@CDPH <Katherine.Lamba@cdph.ca.gov>; Mattioli, Mia Catharine (CDC/NCEZID/DFWED/WDPB) <kuk9@cdc.gov>; Parker, Thomas <TParker@buttecounty.net>; McKeel, Haley (CDC/NCEZID/DFWED/EDLB) <hvw0@cdc.gov>
Cc: Kahler, Amy (CDC/NCEZID/DFWED/WDPB) <ete1@cdc.gov>; Roundtree, Alexis V. (CDC/NCEZID/DFWED/WDPB) (CTR) <hzi5@cdc.gov>; Kunz, Jasen M. (CDC/NCEZID/DFWED/WDPB) <izk0@cdc.gov>
Subject: RE: Consultation re: STEC O157 cases exposed to natural recreational water in Butte County, CA

Hi Kat,

Thank you for this update.

If we could have a list of the supplies that would be needed to collect the samples, I can check with our lab to see if we have them.

Thank you,

Ashley Wais, MPH, CIC®

Epidemiologist
BUTTE COUNTY PUBLIC HEALTH
202 Mira Loma Drive | Oroville, CA 95965
T: 530-552-3950 | M: 530-300-4166
<https://www.buttecounty.net/610/Public-Health>



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From: Lamba, Katherine@CDPH <Katherine.Lamba@cdph.ca.gov>

Sent: Wednesday, July 23, 2025 9:13 AM

To: Mattioli, Mia Catharine (CDC/NCEZID/DFWED/WDPB) <kuk9@cdc.gov>; Wais, Ashley <AWais@buttecounty.net>; Parker, Thomas <TParker@buttecounty.net>; McKeel, Haley (CDC/NCEZID/DFWED/EDLB) <hvw0@cdc.gov>

Cc: Kahler, Amy (CDC/NCEZID/DFWED/WDPB) <ete1@cdc.gov>; Roundtree, Alexis V. (CDC/NCEZID/DFWED/WDPB) (CTR) <hzi5@cdc.gov>; Kunz, Jasen M. (CDC/NCEZID/DFWED/WDPB) <izk0@cdc.gov>

Subject: RE: Consultation re: STEC O157 cases exposed to natural recreational water in Butte County, CA

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Hi all,

We have capacity at one of our labs for the goose scat testing at CDPH (Food and Drug lab)- I will check with a 2nd (MDL) as well and loop in the appropriate folks regarding # of samples they have capacity to test at this time.

@Wais, Ashley and team, will you need collection supplies? Will get back to you soon with additional information.

Kat

Katherine Lamba, MPH (she/her)
California Department of Public Health
Phone: 510-620-3429 | Email: Katherine.Lamba@cdph.ca.gov

Confidential - Low

From: Mattioli, Mia Catharine (CDC/NCEZID/DFWED/WDPB) <kuk9@cdc.gov>
Sent: Wednesday, July 23, 2025 7:49 AM
To: Wais, Ashley <AWais@buttecounty.net>; Parker, Thomas <TParker@buttecounty.net>; McKeel, Haley (CDC/NCEZID/DFWED/EDLB) <hvw0@cdc.gov>; Lamba, Katherine@CDPH <Katherine.Lamba@cdph.ca.gov>
Cc: Kahler, Amy (CDC/NCEZID/DFWED/WDPB) <ete1@cdc.gov>; Roundtree, Alexis V. (CDC/NCEZID/DFWED/WDPB) (CTR) <hzi5@cdc.gov>; Kunz, Jasen M. (CDC/NCEZID/DFWED/WDPB) <izk0@cdc.gov>
Subject: RE: Consultation re: STEC O157 cases exposed to natural recreational water in Butte County, CA

Hi Ashley,

Thanks so much for bringing this up! Unfortunately, our lab can't do the animal fecal the testing, but I thought on the call CDPH lab said they could do the fecal testing similar to Lake Wildwood. @Lamba, Katherine@CDPH, would you be able to check with your lab about the animal fecal testing?

If CDPH is unavailable, CDC enterics may be able to support, but I believe they have limited capacity and need samples collected in transport media (Cary Blair). [@McKeel, Haley \(CDC/NCEZID/DFWED/EDLB\)](mailto:@McKeel, Haley (CDC/NCEZID/DFWED/EDLB)) is that correct?

For scat sampling supplies, we only sent the new plastic tarp I mentioned that is helpful for goose scat if you see a flock when sampling. You can bring crackers to lure them to the tarp, but it can be tricky as you would imagine.

Let me know if helpful to discuss further!

Mia

Mia Catharine Mattioli
Environmental Engineer
Centers for Disease Control and Prevention (CDC)
Department of Health and Human Services (HHS)
Office: (404) 718-5643

Highly Sensitive/Any User (No encryption)

From: Wais, Ashley <AWais@buttecounty.net>
Sent: Tuesday, July 22, 2025 6:57 PM
To: Parker, Thomas <TParker@buttecounty.net>; Mattioli, Mia Catharine (CDC/NCEZID/DFWED/WDPB) <kuk9@cdc.gov>
Cc: Kahler, Amy (CDC/NCEZID/DFWED/WDPB) <ete1@cdc.gov>; Roundtree, Alexis V. (CDC/NCEZID/DFWED/WDPB) (CTR) <hzi5@cdc.gov>; McKeel, Haley (CDC/NCEZID/DFWED/EDLB) <hvw0@cdc.gov>; Lamba, Katherine@CDPH <Katherine.Lamba@cdph.ca.gov>; Kunz, Jasen M. (CDC/NCEZID/DFWED/WDPB) <izk0@cdc.gov>
Subject: RE: Consultation re: STEC O157 cases exposed to natural recreational water in Butte County, CA

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Hi Mia,

Thank you for this insight. Do you have any guidance/recommendations on how to collect animal feces samples (most likely from geese, possibly cattle)? If we are successful in collecting these samples, are we able to include them in the main shipment?

Thank you,

Ashley Wais, MPH, CIC®

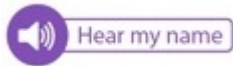
Epidemiologist

[BUTTE COUNTY PUBLIC HEALTH](#)

[202 Mira Loma Drive | Oroville, CA 95965](#)

T: 530-552-3950 | M: 530-300-4166

<https://www.buttecounty.net/610/Public-Health>



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From: Parker, Thomas <TParker@buttecounty.net>

Sent: Tuesday, July 22, 2025 2:55 PM

To: 'Mattioli, Mia Catharine (CDC/NCEZID/DFWED/WDPB)' <kuk9@cdc.gov>

Cc: Kahler, Amy (CDC/NCEZID/DFWED/WDPB) <ete1@cdc.gov>; Roundtree, Alexis V. (CDC/NCEZID/DFWED/WDPB) (CTR) <hzi5@cdc.gov>; McKeel, Haley (CDC/NCEZID/DFWED/EDLB) <hvw0@cdc.gov>; Lamba, Katherine@CDPH <Katherine.Lamba@cdph.ca.gov>; Wais, Ashley <AWais@buttecounty.net>; Kunz, Jasen M. (CDC/NCEZID/DFWED/WDPB) <izk0@cdc.gov>

Subject: RE: Consultation re: STEC O157 cases exposed to natural recreational water in Butte County, CA

Thank you for all of the information!

Thomas Parker

Program Manager, Hazardous Materials

[BUTTE COUNTY PUBLIC HEALTH](#)

[202 Mira Loma Drive | Oroville, CA 95965](#)

T: 530.552.3870 | D: [530.552.3870](tel:530.552.3870)

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From: Mattioli, Mia Catharine (CDC/NCEZID/DFWED/WDPB) <kuk9@cdc.gov>
Sent: Tuesday, July 22, 2025 2:43 PM
To: Parker, Thomas <TParker@buttecounty.net>
Cc: Kahler, Amy (CDC/NCEZID/DFWED/WDPB) <ete1@cdc.gov>; Roundtree, Alexis V. (CDC/NCEZID/DFWED/WDPB) (CTR) <hzi5@cdc.gov>; McKeel, Haley (CDC/NCEZID/DFWED/EDLB) <hvw0@cdc.gov>; Lamba, Katherine@CDPH <Katherine.Lamba@cdph.ca.gov>; Wais, Ashley <AWais@buttecounty.net>; Kunz, Jasen M. (CDC/NCEZID/DFWED/WDPB) <izk0@cdc.gov>
Subject: RE: Consultation re: STEC O157 cases exposed to natural recreational water in Butte County, CA

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Sorry for all the emails! I also meant to note that the batteries for the pump have been fully charge so should be ready to go. The pH probe will need to be calibrated in the field due to the dependence on air temperature. However, we have provided the manual and 3 standard solutions with the probe.

Thanks again!

Mia

Mia Catharine Mattioli
Environmental Engineer
Centers for Disease Control and Prevention (CDC)
Department of Health and Human Services (HHS)
Office: (404) 718-5643

Highly Sensitive/Any User (No encryption)

From: Mattioli, Mia Catharine (CDC/NCEZID/DFWED/WDPB)
Sent: Tuesday, July 22, 2025 5:40 PM
To: Parker, Thomas <TParker@buttecounty.net>
Cc: Kahler, Amy (CDC/NCEZID/DFWED/WDPB) <ete1@cdc.gov>; Roundtree, Alexis V. (CDC/NCEZID/DFWED/WDPB) (CTR) <hzi5@cdc.gov>; McKeel, Haley (CDC/NCEZID/DFWED/EDLB) <hvw0@cdc.gov>; Lamba, Katherine@CDPH <Katherine.Lamba@cdph.ca.gov>; Wais, Ashley <AWais@buttecounty.net>; Kunz, Jasen M. (CDC/NCEZID/DFWED/WDPB) <izk0@cdc.gov>
Subject: RE: Consultation re: STEC O157 cases exposed to natural recreational water in Butte County, CA

Apologies for not highlighting this in the quick guide. Please start sampling furthers **downstream** and move upstream. This will ensure separate parcels of water are sampled at each site from the flowing source.

Thanks again!

Mia

Mia Catharine Mattioli
Environmental Engineer

Centers for Disease Control and Prevention (CDC)
Department of Health and Human Services (HHS)
Office: (404) 718-5643

From: Mattioli, Mia Catharine (CDC/NCEZID/DFWED/WDPB)
Sent: Tuesday, July 22, 2025 5:39 PM
To: Parker, Thomas <TParker@buttecounty.net>
Cc: Kahler, Amy (CDC/NCEZID/DFWED/WDPB) <ete1@cdc.gov>; Roundtree, Alexis V. (CDC/NCEZID/DFWED/WDPB) (CTR) <hzi5@cdc.gov>; McKeel, Haley (CDC/NCEZID/DFWED/EDLB) <hvw0@cdc.gov>; Lamba, Katherine@CDPH <Katherine.Lamba@cdph.ca.gov>; Wais, Ashley <AWais@buttecounty.net>; Kunz, Jasen M. (CDC/NCEZID/DFWED/WDPB) <izk0@cdc.gov>
Subject: RE: Consultation re: STEC O157 cases exposed to natural recreational water in Butte County, CA

Hi Thomas,

The sampling supplies have been shipping and should arrive tomorrow morning (FedEx tracking number **450145173848**).

I've attached a quick guide for sampling and shipping based on our discussion on sampling sites. The shipping information back to CDC is also pasted in this email below, and of note, please ship the samples on ice (not frozen) **first overnight via FedEx**. The ice packs we have provided could not be shipped frozen so please freeze before sampling or use alternative blue ice.

I have also attached our protocol for your reference and an electronic copy of our Chain of Custody form, though both are provided as print outs on a clipboard with the sampling supplies.

Let us know as soon as you can what day you plan to sample. This will help us to plan in the labs for testing. My cell number is [REDACTED]. Don't hesitate to call if you have any questions at all.
Thanks!
Mia

Mia Catharine Mattioli
Environmental Engineer
Centers for Disease Control and Prevention (CDC)
Department of Health and Human Services (HHS)
Office: (404) 718-5643

From: Parker, Thomas <TParker@buttecounty.net>
Sent: Tuesday, July 22, 2025 2:46 PM
To: Mattioli, Mia Catharine (CDC/NCEZID/DFWED/WDPB) <kuk9@cdc.gov>; Kahler, Amy (CDC/NCEZID/DFWED/WDPB) <ete1@cdc.gov>
Subject: RE: Consultation re: STEC O157 cases exposed to natural recreational water in Butte County, CA

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No worries, Mia and thanks for the response. That really helps. Will you be sending us a meter for water quality parameters (pH, temp, ect.)? I've used on in the past so I can certainly do that if it is helpful.

Thanks,

Thomas Parker

Program Manager, Hazardous Materials
[BUTTE COUNTY PUBLIC HEALTH](#)
[202 Mira Loma Drive | Oroville, CA 95965](#)
T: 530.552.3870 | D: [530.552.3870](#)

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From: Mattioli, Mia Catharine (CDC/NCEZID/DFWED/WDPB) <kuk9@cdc.gov>

Sent: Tuesday, July 22, 2025 11:34 AM

To: Parker, Thomas <TParker@buttecounty.net>; Kahler, Amy (CDC/NCEZID/DFWED/WDPB) <ete1@cdc.gov>

Subject: RE: Consultation re: STEC O157 cases exposed to natural recreational water in Butte County, CA

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Hi Thomas,

Apologies for the delayed response! We were shipping the supplies to you this morning. I will share the FedEx tracking number ASAP.

For the sediment, yes. That is the correct procedure to collect. Nothing fancy!

We seal the bottles (especially the sediment ones) with parafilm (provided), and then we have a sterile zip-lock bag for you to put that sediment bottle into for secondary containment. We don't use custody seals since this is non-regulatory.

I will be sending you a quick guide list of sampling sites and measurements for each site. But I'd be happy to review with you when you are done. We sincerely appreciate your thoroughness!

Mia

Mia Catharine Mattioli
Environmental Engineer
Centers for Disease Control and Prevention (CDC)
Department of Health and Human Services (HHS)
Office: (404) 718-5643

From: Parker, Thomas <TParker@buttecounty.net>

Sent: Tuesday, July 22, 2025 11:51 AM

To: Kahler, Amy (CDC/NCEZID/DFWED/WDPB) <ete1@cdc.gov>

Cc: Mattioli, Mia Catharine (CDC/NCEZID/DFWED/WDPB) <kuk9@cdc.gov>

Subject: RE: Consultation re: STEC O157 cases exposed to natural recreational water in Butte County, CA

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Hi Amy and Mia- I am finishing up my sampling plan this morning and had a few questions regarding the sediment sampling. My understanding from the phone call is that we will fill a 1 Liter bottle half full with the sediment, using a disposable scoop and drain off as much water as possible. Is this a poly bottle with a wide top or just a normal 1 liter bottle? Also, does the pack you sent contain custody seals as well? I can use tape if not. Also, after I complete my sampling plan, is there a chance one of you can do a quick review to make sure I am not missing anything or have something wrong in the process? I am trying to be as thorough as possible in case we have future sampling and I am not available.

Thanks,

Thomas Parker

Program Manager, Hazardous Materials
[BUTTE COUNTY PUBLIC HEALTH](#)
[202 Mira Loma Drive | Oroville, CA 95965](#)
T: 530.552.3870 | D: [530.552.3870](#)

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From: Kahler, Amy (CDC/NCEZID/DFWED/WDPB) <ete1@cdc.gov>
Sent: Monday, July 21, 2025 12:30 PM
To: Parker, Thomas <TParker@buttecounty.net>
Cc: Mattioli, Mia Catharine (CDC/NCEZID/DFWED/WDPB) <kuk9@cdc.gov>
Subject: RE: Consultation re: STEC O157 cases exposed to natural recreational water in Butte County, CA

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Hi Thomas,

We will send you two small-ish batteries to use. Both batteries will fit into the pump case and it will be heavy but portable. In a pinch you can also use the adapter that plugs into the cigarette lighter contraption in a car (I don't know what it's called any more). We'll send the cables for both options – although the battery option is the easiest.

Thanks,
Amy

From: Parker, Thomas <TParker@buttecounty.net>
Sent: Monday, July 21, 2025 3:24 PM
To: Kahler, Amy (CDC/NCEZID/DFWED/WDPB) <ete1@cdc.gov>

Cc: Mattioli, Mia Catharine (CDC/NCEZID/DFWED/WDPB) <kuk9@cdc.gov>

Subject: RE: Consultation re: STEC O157 cases exposed to natural recreational water in Butte County, CA

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Thank you Amy, that is great advice. Another question for you. The peristaltic pump requires a 12-volt battery for power. Would this be a car battery or is there another smaller battery that can be used. Getting a car battery to some of these locations may be difficult.

Thanks,

Thomas Parker

Program Manager, Hazardous Materials

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[202 Mira Loma Drive | Oroville, CA 95965](#)

T: 530.552.3870 | D: [530.552.3870](tel:530.552.3870)

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From: Kahler, Amy (CDC/NCEZID/DFWED/WDPB) <ete1@cdc.gov>

Sent: Monday, July 21, 2025 12:10 PM

To: Parker, Thomas <TParker@buttecounty.net>

Cc: Mattioli, Mia Catharine (CDC/NCEZID/DFWED/WDPB) <kuk9@cdc.gov>

Subject: RE: Consultation re: STEC O157 cases exposed to natural recreational water in Butte County, CA

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Hi Thomas,

Sometimes the decision about where to collect the water sample is more about the logistics of where you can access the site – so if any locations present logistical challenges in accessing the water, any sample you can take is OK! However, if you have the luxury of choice, I'd say opt for flowing water over stagnant, with one caveat. If the water is flowing too fast, you could have issues keeping the tubing submerged with all the movement. We will send tubing weights you can attach to the tubing with a zip tie to help keep the tubing submerged, but it may also help if the water isn't too turbulent to begin with. With the weights there is a bit of balancing act though. You'll want to keep watch to make sure the tubing doesn't suck up too much sediment. We like to attach the weight several inches up from the end of the tubing so that the tubing end can point up, away from the sediment. We also orient the flow so that the ultrafilter filtrate gets released downstream from the intake – if the water is stagnant, you'll want to make sure the filtrate is released far enough downstream to not disturb the intake water. You can also let the filtrate flow onto the grass/banks if that's not too messy.

Taking the sediment sample downstream of the water intake is exactly the right approach. If this isn't physically possible, you could also wait and take the sediment sample after filtration is complete.

Thanks,
Amy

From: Parker, Thomas <TParker@buttecounty.net>
Sent: Monday, July 21, 2025 2:37 PM
To: Kahler, Amy (CDC/NCEZID/DFWED/WDPB) <ete1@cdc.gov>
Subject: RE: Consultation re: STEC O157 cases exposed to natural recreational water in Butte County, CA

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Thank you, that was my thought regarding the sediment sampling but I was not sure. I scouted out a few locations during my run over the weekend which had both. And thanks for the timeline for collecting the filtered samples. I just went through that part of the protocol so that is reassuring. For the filtered samples, is there a preference between collecting in still water vs faster flowing water? I have not noticed that in the protocol yet. I plan to take the water samples upstream from the sediment samples to avoid any silt/sediment from entering the filtration.

Thanks,

Thomas Parker
Program Manager, Hazardous Materials
[BUTTE COUNTY PUBLIC HEALTH](#)
[202 Mira Loma Drive | Oroville, CA 95965](#)
T: 530.552.3870 | D: [530.552.3870](tel:530.552.3870)

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From: Kahler, Amy (CDC/NCEZID/DFWED/WDPB) <ete1@cdc.gov>
Sent: Monday, July 21, 2025 11:26 AM
To: Parker, Thomas <TParker@buttecounty.net>; Mattioli, Mia Catharine (CDC/NCEZID/DFWED/WDPB) <kuk9@cdc.gov>
Subject: RE: Consultation re: STEC O157 cases exposed to natural recreational water in Butte County, CA

ATTENTION: This message originated from outside **Butte County**. Please exercise judgment before opening attachments, clicking on links, or replying.

Hi Thomas,

For the sediment sampling, we recommend going for the more silty sediment, if possible. The ultrafiltration procedure takes about 30 minutes for 50-L of water from start to finish. It will take a few minutes of setup, but once the filter is

running you'll get 50-L through in 15-20 minutes at a 3-4 L/min flow rate. Then a few minutes of cleanup and you're on to the next site!

Thanks,
Amy

From: Parker, Thomas <TParker@buttecounty.net>

Sent: Monday, July 21, 2025 1:06 PM

To: Mattioli, Mia Catharine (CDC/NCEZID/DFWED/WDPB) <kuk9@cdc.gov>; Kahler, Amy (CDC/NCEZID/DFWED/WDPB) <ete1@cdc.gov>

Subject: RE: Consultation re: STEC O157 cases exposed to natural recreational water in Butte County, CA

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Thank you Mia. I have just two right now since I have not been able to read the protocol yet.

1. For the sediment sampling, is there a preference between sand or silt? Or does it matter?
2. How long does it typically take to filter the 50 liters of water? I am in the pre-planning stages and need to estimate time out in the field, coupled with my upcoming vacations.

Thanks,

Thomas Parker

Program Manager, Hazardous Materials

[BUTTE COUNTY PUBLIC HEALTH](#)

[202 Mira Loma Drive | Oroville, CA 95965](#)

T: 530.552.3870 | D: [530.552.3870](tel:530.552.3870)

**Environmental Health Fees are being amended to include an ECI increase. The fees go into effect 01/01/2024..*

Please refer to our website for online payment and document submittal: [Environmental Health | Butte County, CA](#)

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From: Mattioli, Mia Catharine (CDC/NCEZID/DFWED/WDPB) <kuk9@cdc.gov>

Sent: Monday, July 21, 2025 9:56 AM

To: Parker, Thomas <TParker@buttecounty.net>; Wais, Ashley <AWais@buttecounty.net>; Lamba, Katherine@CDPH <Katherine.Lamba@cdph.ca.gov>; Miko, Shanna (CDC/NCEZID/DFWED/WDPB) <rhu6@cdc.gov>; Beaudoin, Jarett <JBeaudoin@buttecounty.net>

Cc: Stainken, Cameron (CDC cdph.ca.gov) <cameron.stainken@cdph.ca.gov>; Kahler, Amy (CDC/NCEZID/DFWED/WDPB) <ete1@cdc.gov>; Kunz, Jasen M. (CDC/NCEZID/DFWED/WDPB) <izk0@cdc.gov>; Hill, Vincent (CDC/NCEZID/DFWED/WDPB) <veh2@cdc.gov>; McKeel, Haley (CDC/NCEZID/DFWED/EDLB) <hvw0@cdc.gov>; Strockbine, Nancy (CDC/NCEZID/DFWED/EDLB) <nas6@cdc.gov>; McSpadden, Elaine <EMcspadden@buttecounty.net>

Subject: RE: Consultation re: STEC O157 cases exposed to natural recreational water in Butte County, CA

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Hi Thomas,

You can direct those questions to myself and Amy Kahler (ete1@cdc.gov). Look forward to working with you!

Mia

Mia Catharine Mattioli
Environmental Engineer
Centers for Disease Control and Prevention (CDC)
Department of Health and Human Services (HHS)
Office: (404) 718-5643

From: Parker, Thomas <TParker@buttecounty.net>

Sent: Monday, July 21, 2025 12:35 PM

To: Mattioli, Mia Catharine (CDC/NCEZID/DFWED/WDPB) <kuk9@cdc.gov>; Wais, Ashley <AWais@buttecounty.net>; Lamba, Katherine@CDPH <Katherine.Lamba@cdph.ca.gov>; Miko, Shanna (CDC/NCEZID/DFWED/WDPB) <rhu6@cdc.gov>; Beaudoin, Jarett <JBeaudoin@buttecounty.net>

Cc: Stainken, Cameron (CDC cdph.ca.gov) <cameron.stainken@cdph.ca.gov>; Kahler, Amy (CDC/NCEZID/DFWED/WDPB) <ete1@cdc.gov>; Kunz, Jasen M. (CDC/NCEZID/DFWED/WDPB) <izk0@cdc.gov>; Hill, Vincent (CDC/NCEZID/DFWED/WDPB) <veh2@cdc.gov>; McKeel, Haley (CDC/NCEZID/DFWED/EDLB) <hvw0@cdc.gov>; Strockbine, Nancy (CDC/NCEZID/DFWED/EDLB) <nas6@cdc.gov>; McSpadden, Elaine <EMcspadden@buttecounty.net>

Subject: RE: Consultation re: STEC O157 cases exposed to natural recreational water in Butte County, CA

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Thank you Mia. If I have specific questions regarding sampling protocols or procedures, should I direct them to you or someone else?

Thomas Parker

Program Manager, Hazardous Materials
[BUTTE COUNTY PUBLIC HEALTH](#)
[202 Mira Loma Drive | Oroville, CA 95965](#)
T: 530.552.3870 | D: [530.552.3870](tel:530.552.3870)

**Environmental Health Fees are being amended to include an ECI increase. The fees go into effect 01/01/2024..*

Please refer to our website for online payment and document submittal: [Environmental Health | Butte County, CA](#)

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Sent: Monday, July 21, 2025 9:26 AM
To: Wais, Ashley <AWais@buttecounty.net>; Lamba, Katherine@CDPH <Katherine.Lamba@cdph.ca.gov>; Miko, Shanna (CDC/NCEZID/DFWED/WDPB) <rhu6@cdc.gov>; Beaudoin, Jarett <JBeaudoin@buttecounty.net>
Cc: Stainken, Cameron (CDC cdph.ca.gov) <cameron.stainken@cdph.ca.gov>; Kahler, Amy (CDC/NCEZID/DFWED/WDPB) <ete1@cdc.gov>; Kunz, Jasen M. (CDC/NCEZID/DFWED/WDPB) <izk0@cdc.gov>; Hill, Vincent (CDC/NCEZID/DFWED/WDPB) <veh2@cdc.gov>; McKeel, Haley (CDC/NCEZID/DFWED/EDLB) <hvw0@cdc.gov>; Strockbine, Nancy (CDC/NCEZID/DFWED/EDLB) <nas6@cdc.gov>; McSpadden, Elaine <EMcspadden@buttecounty.net>; Parker, Thomas <TParker@buttecounty.net>
Subject: RE: Consultation re: STEC O157 cases exposed to natural recreational water in Butte County, CA

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Wonderful! We're work to get the supplies and sampling guidance to you asap.

I also realized I didn't answer you other question. The sediment sample you collect will be great to test (O157 is very hardy in sediment). Just be sure to keep it at 4C and ship on ice packs, which we will send. You can wait to send it with the other samples.

Also, you'll have my cell so we can facetime to troubleshoot any issues as well.

Thanks!

Mia

Mia Catharine Mattioli
Environmental Engineer
Centers for Disease Control and Prevention (CDC)
Department of Health and Human Services (HHS)
Office: (404) 718-5643

From: Wais, Ashley <AWais@buttecounty.net>
Sent: Monday, July 21, 2025 12:23 PM
To: Mattioli, Mia Catharine (CDC/NCEZID/DFWED/WDPB) <kuk9@cdc.gov>; Lamba, Katherine@CDPH <Katherine.Lamba@cdph.ca.gov>; Miko, Shanna (CDC/NCEZID/DFWED/WDPB) <rhu6@cdc.gov>; Beaudoin, Jarett <JBeaudoin@buttecounty.net>
Cc: Stainken, Cameron (CDC cdph.ca.gov) <cameron.stainken@cdph.ca.gov>; Kahler, Amy (CDC/NCEZID/DFWED/WDPB) <ete1@cdc.gov>; Kunz, Jasen M. (CDC/NCEZID/DFWED/WDPB) <izk0@cdc.gov>; Hill, Vincent (CDC/NCEZID/DFWED/WDPB) <veh2@cdc.gov>; McKeel, Haley (CDC/NCEZID/DFWED/EDLB) <hvw0@cdc.gov>; Strockbine, Nancy (CDC/NCEZID/DFWED/EDLB) <nas6@cdc.gov>; McSpadden, Elaine <EMcspadden@buttecounty.net>; Parker, Thomas <TParker@buttecounty.net>
Subject: RE: Consultation re: STEC O157 cases exposed to natural recreational water in Butte County, CA

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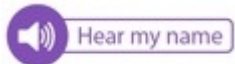
Hi Mia,

Thank you for this insight. Below is the appropriate address to ship the supplies to.

Butte County Environmental Health
ATTN: Tom Parker
202 Mira Loma Drive
Oroville, CA 95965

In the meantime, the Butte County team will review the water sampling protocol shared in the meeting and have internal discussions to confirm sampling locations. I believe that we will have additional questions before we conduct sampling and greatly appreciate the CDC team's support and guidance during this project.

Thank you,
Ashley Wais, MPH, CIC®
Epidemiologist
[BUTTE COUNTY PUBLIC HEALTH](#)
[202 Mira Loma Drive | Oroville, CA 95965](#)
T: [530-552-3950](#) | M: [530-300-4166](#)
<https://www.buttecounty.net/610/Public-Health>



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From: Mattioli, Mia Catharine (CDC/NCEZID/DFWED/WDPB) <kuk9@cdc.gov>
Sent: Saturday, July 19, 2025 11:31 AM
To: Wais, Ashley <AWais@buttecounty.net>; Lamba, Katherine@CDPH <Katherine.Lamba@cdph.ca.gov>; Miko, Shanna (CDC/NCEZID/DFWED/WDPB) <rhu6@cdc.gov>; Beaudoin, Jarett <JBeaudoin@buttecounty.net>
Cc: Stainken, Cameron (CDC cdph.ca.gov) <cameron.stainken@cdph.ca.gov>; Kahler, Amy (CDC/NCEZID/DFWED/WDPB) <ete1@cdc.gov>; Kunz, Jasen M. (CDC/NCEZID/DFWED/WDPB) <izk0@cdc.gov>; Hill, Vincent (CDC/NCEZID/DFWED/WDPB) <veh2@cdc.gov>; McKeel, Haley (CDC/NCEZID/DFWED/EDLB) <hvw0@cdc.gov>; Strockbine, Nancy (CDC/NCEZID/DFWED/EDLB) <nas6@cdc.gov>
Subject: RE: Consultation re: STEC O157 cases exposed to natural recreational water in Butte County, CA

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Hi Ashley,

It was great speaking with you all on Friday. We are happy to support sampling and testing of the creek associated with the *E. coli* O157:H7 outbreak.

Based on our discussion, we would recommend water and sediment sampling at the following **5 locations**: the three swimming sites associated with exposure, immediately downstream of the golf course but upstream of the first swimming location, and further upstream where the wildfire sediment deposited. We would test these samples for *E. coli* O157:H7

and generic fecal indicator *E. coli*, as well as microbial source tracking markers specific to feces for birds, ruminants, and humans and markers specific to mitochondria of goose (given the Wildwood association). As mentioned on the call, Amy Irani in Nevada County did the sampling for the Lake Wildwood outbreak and is familiar with our large volume ultrafiltration sampling procedure so we would recommend asking if she can support given that experience.

If you all are OK with this plan, we can provide more details on the sampling and supplies, but first we **need the best address to ship**. Likely the earliest we can get the supplies to you all is Wednesday morning so sampling could occur on Wednesday and Thursday at the earliest. Friday sampling is tricky because Saturday delivery by FedEx is often problematic.

Thanks again for reaching out and look forward to working with you all!

Mia

Mia Catharine Mattioli
Environmental Engineer
Centers for Disease Control and Prevention (CDC)
Department of Health and Human Services (HHS)
Office: (404) 718-5643

From: Wais, Ashley <AWais@buttecounty.net>

Sent: Friday, July 18, 2025 6:45 PM

To: Lamba, Katherine@CDPH <Katherine.Lamba@cdph.ca.gov>; Mattioli, Mia Catharine (CDC/NCEZID/DFWED/WDPB) <kuk9@cdc.gov>; Miko, Shanna (CDC/NCEZID/DFWED/WDPB) <rhu6@cdc.gov>; Beaudoin, Jarett <JBeaudoin@buttecounty.net>

Cc: Stainken, Cameron (CDC cdph.ca.gov) <cameron.stainken@cdph.ca.gov>; Kahler, Amy (CDC/NCEZID/DFWED/WDPB) <ete1@cdc.gov>; Kunz, Jasen M. (CDC/NCEZID/DFWED/WDPB) <izk0@cdc.gov>; Hill, Vincent (CDC/NCEZID/DFWED/WDPB) <veh2@cdc.gov>; McKeel, Haley (CDC/NCEZID/DFWED/EDLB) <hvw0@cdc.gov>; Strockbine, Nancy (CDC/NCEZID/DFWED/EDLB) <nas6@cdc.gov>

Subject: RE: Consultation re: STEC O157 cases exposed to natural recreational water in Butte County, CA

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Hi CDC/CDPH teams,

Thank you all so much for your time and support with this scenario. We will await further guidance on next steps.

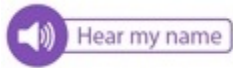
I would also love to reach out to Jordan who was on the call speaking about the sequencing results, but I do not see them on this email chain currently. If someone from the CDC team could send me their contact info, that would be much appreciated.

Lastly, the City of Chico collected a sediment sample while conducting their cleaning efforts yesterday. I wanted to confirm if there was a time frame in which that needs to be tested for it to be viable?

Thank you again,

Ashley Wais, MPH, CIC®
Epidemiologist

BUTTE COUNTY PUBLIC HEALTH
202 Mira Loma Drive | Oroville, CA 95965
T: 530-552-3950 | M: 530-300-4166
<https://www.buttecounty.net/610/Public-Health>



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From: Lamba, Katherine@CDPH <Katherine.Lamba@cdph.ca.gov>
Sent: Friday, July 18, 2025 9:48 AM
To: Wais, Ashley <AWais@buttecounty.net>; 'Mattioli, Mia Catharine (CDC/NCEZID/DFWED/WDPB)' <kuk9@cdc.gov>; Miko, Shanna (CDC/NCEZID/DFWED/WDPB) <rhu6@cdc.gov>; Beaudoin, Jarett <jbeaudoin@buttecounty.net>
Cc: Stainken, Cameron@CDPH <Cameron.Stainken@cdph.ca.gov>; Kahler, Amy (CDC/NCEZID/DFWED/WDPB) <ete1@cdc.gov>; Kunz, Jasen M. (CDC/NCEZID/DFWED/WDPB) <izk0@cdc.gov>; Hill, Vincent (CDC/NCEZID/DFWED/WDPB) <veh2@cdc.gov>; McKeel, Haley (CDC/NCEZID/DFWED/EDLB) <hvw0@cdc.gov>; Strockbine, Nancy (CDC/NCEZID/DFWED/EDLB) <nas6@cdc.gov>
Subject: RE: Consultation re: STEC O157 cases exposed to natural recreational water in Butte County, CA





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From: Wais, Ashley <AWais@buttecounty.net>
Sent: Thursday, July 17, 2025 4:14 PM
To: Lamba, Katherine@CDPH <Katherine.Lamba@cdph.ca.gov>; 'Mattioli, Mia Catharine (CDC/NCEZID/DFWED/WDPB)' <kuk9@cdc.gov>; Miko, Shanna (CDC/NCEZID/DFWED/WDPB) <rhu6@cdc.gov>; Beaudoin, Jarett <jbeaudoin@buttecounty.net>
Cc: Stainken, Cameron@CDPH <Cameron.Stainken@cdph.ca.gov>; Kahler, Amy (CDC/NCEZID/DFWED/WDPB) <ete1@cdc.gov>; Kunz, Jasen M. (CDC/NCEZID/DFWED/WDPB) <izk0@cdc.gov>; Hill, Vincent (CDC/NCEZID/DFWED/WDPB) <veh2@cdc.gov>; McKeel, Haley (CDC/NCEZID/DFWED/EDLB) <hvw0@cdc.gov>; Strockbine, Nancy (CDC/NCEZID/DFWED/EDLB) <nas6@cdc.gov>
Subject: RE: Consultation re: STEC O157 cases exposed to natural recreational water in Butte County, CA

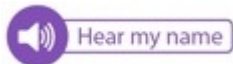
Hi Kat,

Thank you for this update. For the table below there are a few exposures that need to be updated.

[REDACTED]

Thank you,

Ashley Wais, MPH, CIC®
Epidemiologist
[BUTTE COUNTY PUBLIC HEALTH](#)
[202 Mira Loma Drive | Oroville, CA 95965](#)
T: [530-552-3950](tel:530-552-3950) | M: [530-300-4166](tel:530-300-4166)
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From: Lamba, Katherine@CDPH <Katherine.Lamba@cdph.ca.gov>
Sent: Thursday, July 17, 2025 3:55 PM
To: Wais, Ashley <AWais@buttecounty.net>; 'Mattioli, Mia Catharine (CDC/NCEZID/DFWED/WDPB)' <kuk9@cdc.gov>; Miko, Shanna (CDC/NCEZID/DFWED/WDPB) <rhu6@cdc.gov>; Beaudoin, Jarett <jbeaudoin@buttecounty.net>
Cc: Stainken, Cameron@CDPH <Cameron.Stainken@cdph.ca.gov>; Kahler, Amy (CDC/NCEZID/DFWED/WDPB) <ete1@cdc.gov>; Kunz, Jasen M. (CDC/NCEZID/DFWED/WDPB) <izk0@cdc.gov>; Hill, Vincent (CDC/NCEZID/DFWED/WDPB) <veh2@cdc.gov>; McKeel, Haley (CDC/NCEZID/DFWED/EDLB) <hvw0@cdc.gov>; Strockbine, Nancy (CDC/NCEZID/DFWED/EDLB) <nas6@cdc.gov>
Subject: RE: Consultation re: STEC O157 cases exposed to natural recreational water in Butte County, CA

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Hi all,

[Redacted]

[Redacted]	[Redacted]	[Redacted]	[Redacted]	[Redacted]	[Redacted]	[Redacted]	[Redacted]
[Redacted]	[Redacted]	[Redacted]	[Redacted]	[Redacted]	[Redacted]	[Redacted]	[Redacted]
[Redacted]	[Redacted]	[Redacted]	[Redacted]	[Redacted]	[Redacted]	[Redacted]	[Redacted]
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[Redacted]	[Redacted]	[Redacted]	[Redacted]	[Redacted]	[Redacted]	[Redacted]	[Redacted]

Thanks,
Kat

Katherine Lamba, MPH (she/her)
California Department of Public Health
Phone: 510-620-3429 | Email: Katherine.Lamba@cdph.ca.gov

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From: Wais, Ashley <AWais@buttecounty.net>
Sent: Thursday, July 17, 2025 8:56 AM
To: 'Mattioli, Mia Catharine (CDC/NCEZID/DFWED/WDPB)' <kuk9@cdc.gov>; Lamba, Katherine@CDPH <Katherine.Lamba@cdph.ca.gov>; Miko, Shanna (CDC/NCEZID/DFWED/WDPB) <rhu6@cdc.gov>; Beaudoin, Jarett <jbeaudoin@buttecounty.net>
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Subject: RE: Consultation re: STEC O157 cases exposed to natural recreational water in Butte County, CA

Hi Mia,

Thank you for accommodating our tight schedule and consulting with us for this scenario. We have reached out to the City of Chico to see if they can acquire these samples. We are available at 12PM tomorrow for a discussion.

I did have a few questions related to the sample requests:

1. The pool is now drained (see below) and the process for removing sediment is underway. Did the sediment need to be submerged?
2. I am not sure it will be possible to acquire a “mucky water” sample now that the pool is drained. Is there a different type of sample that should be taken or should it be taken from another location (upstream)?

Any insight is appreciated.



Thank you,
Ashley Wais, MPH, CIC®

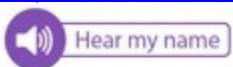
Epidemiologist

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From: Mattioli, Mia Catharine (CDC/NCEZID/DFWED/WDPB) <kuk9@cdc.gov>

Sent: Thursday, July 17, 2025 8:31 AM

To: Lamba, Katherine@CDPH <Katherine.Lamba@cdph.ca.gov>; Miko, Shanna (CDC/NCEZID/DFWED/WDPB) <rhu6@cdc.gov>; Wais, Ashley <AWais@buttecounty.net>; Beaudoin, Jarett <jbeaudoin@buttecounty.net>

Cc: Stainken, Cameron (CDC cdph.ca.gov) <cameron.stainken@cdph.ca.gov>; Kahler, Amy (CDC/NCEZID/DFWED/WDPB) <ete1@cdc.gov>; Kunz, Jasen M. (CDC/NCEZID/DFWED/WDPB) <izk0@cdc.gov>; Hill, Vincent (CDC/NCEZID/DFWED/WDPB) <veh2@cdc.gov>; McKeel, Haley (CDC/NCEZID/DFWED/EDLB) <hvw0@cdc.gov>; Strockbine, Nancy (CDC/NCEZID/DFWED/EDLB) <nas6@cdc.gov>

Subject: RE: Consultation re: STEC O157 cases exposed to natural recreational water in Butte County, CA

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Hi Kat,

Thanks so much for proposing times!

CDC is available at the following:

- Friday 7/18: 12pm PST/3PM EST
- Monday 7/21: 1pm PST/4pm EST

Also, if they are cleaning out Sycamore pool, could we ask that someone grab two, 1-L bottles and fill one halfway with the sediment and the other almost full with the mucky water churned up? These can be stored in a fridge (4C) until process. Our lab does this type of testing if not available in CA. These samples will be the best for this type of bug and water source.

Thanks!

Mia

Mia Catharine Mattioli
Environmental Engineer
Centers for Disease Control and Prevention (CDC)
Department of Health and Human Services (HHS)
Office: (404) 718-5643

From: Lamba, Katherine@CDPH <Katherine.Lamba@cdph.ca.gov>

Sent: Wednesday, July 16, 2025 9:22 PM

To: Mattioli, Mia Catharine (CDC/NCEZID/DFWED/WDPB) <kuk9@cdc.gov>; Miko, Shanna (CDC/NCEZID/DFWED/WDPB) <rhu6@cdc.gov>; Wais, Ashley <AWais@buttecounty.net>; Beaudoin, Jarett <jbeaudoin@buttecounty.net>

Cc: Stainken, Cameron (CDC cdph.ca.gov) <cameron.stainken@cdph.ca.gov>; Kahler, Amy (CDC/NCEZID/DFWED/WDPB) <ete1@cdc.gov>; Kunz, Jasen M. (CDC/NCEZID/DFWED/WDPB) <izk0@cdc.gov>; Hill, Vincent (CDC/NCEZID/DFWED/WDPB) <veh2@cdc.gov>; McKeel, Haley (CDC/NCEZID/DFWED/EDLB) <hvw0@cdc.gov>; Strockbine, Nancy (CDC/NCEZID/DFWED/EDLB) <nas6@cdc.gov>

Subject: RE: Consultation re: STEC O157 cases exposed to natural recreational water in Butte County, CA

CAUTION: This email originated from outside of the organization. Do not click links or open attachments unless you recognize the sender and know the content is safe.

Hi all,

Looping in a couple of folks from Butte County directly (Ashley Wais- epi and Dr. Beaudoin, Health Officer) so we can all sort out scheduling for this call.

Looks like scheduling over the next several days may be challenging but hopefully we can sort out a time that works sooner rather than later for the group. Would CDC team by chance be available during any of the following times?

- Thursday 7/17: 12pm PST/3PM EST
- Friday 7/18: 12pm PST/3PM EST
- Monday 7/21: 9am-11am PST (12-2 EST); 1pm PST/4pm EST
 - For Monday these are the slots that work for CDC and CDPH; @Wais, Ashley let us know if any of these work for Butte.

Thank you!
Kat

Katherine Lamba, MPH (she/her)
California Department of Public Health
Phone: 510-620-3429 | Email: Katherine.Lamba@cdph.ca.gov

Confidential - Low

From: Lamba, Katherine@CDPH
Sent: Wednesday, July 16, 2025 2:44 PM
To: Mattioli, Mia Catharine (CDC/NCEZID/DFWED/WDPB) <kuk9@cdc.gov>; Miko, Shanna (CDC/NCEZID/DFWED/WDPB) <rhu6@cdc.gov>
Cc: Stainken, Cameron@CDPH <Cameron.Stainken@cdph.ca.gov>; Kahler, Amy (CDC/NCEZID/DFWED/WDPB) <ete1@cdc.gov>; Kunz, Jasen M. (CDC/NCEZID/DFWED/WDPB) <izk0@cdc.gov>; Hill, Vincent (CDC/NCEZID/DFWED/WDPB) <veh2@cdc.gov>; McKeel, Haley (CDC/NCEZID/DFWED/EDLB) <hvw0@cdc.gov>; Strockbine, Nancy (CDC/NCEZID/DFWED/EDLB) <nas6@cdc.gov>
Subject: RE: Consultation re: STEC O157 cases exposed to natural recreational water in Butte County, CA

[REDACTED]

[REDACTED]

[REDACTED] My thought went to geese flying down from WA 😊 .

Kat

Katherine Lamba, MPH (she/her)
California Department of Public Health
Phone: 510-620-3429 | Email: Katherine.Lamba@cdph.ca.gov

From: Mattioli, Mia Catharine (CDC/NCEZID/DFWED/WDPB) <kuk9@cdc.gov>
Sent: Wednesday, July 16, 2025 2:30 PM
To: Lamba, Katherine@CDPH <Katherine.Lamba@cdph.ca.gov>; Miko, Shanna (CDC/NCEZID/DFWED/WDPB) <rhu6@cdc.gov>
Cc: Stainken, Cameron@CDPH <Cameron.Stainken@cdph.ca.gov>; Kahler, Amy (CDC/NCEZID/DFWED/WDPB) <ete1@cdc.gov>; Kunz, Jasen M. (CDC/NCEZID/DFWED/WDPB) <izk0@cdc.gov>; Hill, Vincent (CDC/NCEZID/DFWED/WDPB) <veh2@cdc.gov>; McKeel, Haley (CDC/NCEZID/DFWED/EDLB) <hvw0@cdc.gov>; Strockbine, Nancy (CDC/NCEZID/DFWED/EDLB) <nas6@cdc.gov>
Subject: RE: Consultation re: STEC O157 cases exposed to natural recreational water in Butte County, CA

Adding our other enterics clinical outbreak SME, Nancy Strockbine, as well.

Thanks!

Mia Catharine Mattioli
Environmental Engineer
Centers for Disease Control and Prevention (CDC)
Department of Health and Human Services (HHS)
Office: (404) 718-5643

From: Mattioli, Mia Catharine (CDC/NCEZID/DFWED/WDPB)
Sent: Wednesday, July 16, 2025 5:28 PM
To: Lamba, Katherine@CDPH <Katherine.Lamba@cdph.ca.gov>; Miko, Shanna (CDC/NCEZID/DFWED/WDPB) <rhu6@cdc.gov>
Cc: Stainken, Cameron (CDC cdph.ca.gov) <cameron.stainken@cdph.ca.gov>; Kahler, Amy (CDC/NCEZID/DFWED/WDPB) <ete1@cdc.gov>; Kunz, Jasen M. (CDC/NCEZID/DFWED/WDPB) <izk0@cdc.gov>; Hill, Vincent (CDC/NCEZID/DFWED/WDPB) <veh2@cdc.gov>; McKeel, Haley (CDC/NCEZID/DFWED/EDLB) <hvw0@cdc.gov>
Subject: RE: Consultation re: STEC O157 cases exposed to natural recreational water in Butte County, CA

OK, thanks so much! This is very close and similar sounding to our Lake Wildwood *E. coli* O157:H7 outbreak in 2017 at almost the exact same time of year. In that case there were Canada geese amplifying the pathogen within the lake. I wonder if there are geese or other birds frequenting these untreated venues as well. I'm including our clinical enterics laboratory SME, Haley McKeel, who was also involved in the 2017 response.

Our team would be available this Friday (7/18) from 12-2 PM EST or next Monday (7/21) after 12 PM EST. If none of those times work for you all, let us know what works best for you, and we can move things on our end.

Thanks again for reaching out!

Mia

Mia Catharine Mattioli
Environmental Engineer
Centers for Disease Control and Prevention (CDC)
Department of Health and Human Services (HHS)
Office: (404) 718-5643

From: Lamba, Katherine@CDPH <Katherine.Lamba@cdph.ca.gov>
Sent: Wednesday, July 16, 2025 5:22 PM
To: Mattioli, Mia Catharine (CDC/NCEZID/DFWED/WDPB) <kuk9@cdc.gov>; Miko, Shanna (CDC/NCEZID/DFWED/WDPB) <rhu6@cdc.gov>
Cc: Stainken, Cameron (CDC cdph.ca.gov) <cameron.stainken@cdph.ca.gov>; Kahler, Amy (CDC/NCEZID/DFWED/WDPB)

<ete1@cdc.gov>; Kunz, Jasen M. (CDC/NCEZID/DFWED/WDPB) <izk0@cdc.gov>; Hill, Vincent (CDC/NCEZID/DFWED/WDPB) <veh2@cdc.gov>

Subject: RE: Consultation re: STEC O157 cases exposed to natural recreational water in Butte County, CA

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Fantastic, thanks! Let me check in with our Butte County colleagues then I will loop them in and can coordinate setting something up. In the meantime if you are able to share some time slots over the next several days that work for your team that would be great.

Yes- Sycamore pool is untreated water.

Kat

Katherine Lamba, MPH (she/her)
California Department of Public Health
Phone: 510-620-3429 | Email: Katherine.Lamba@cdph.ca.gov

Confidential - Low

From: Mattioli, Mia Catharine (CDC/NCEZID/DFWED/WDPB) <kuk9@cdc.gov>
Sent: Wednesday, July 16, 2025 2:11 PM
To: Lamba, Katherine@CDPH <Katherine.Lamba@cdph.ca.gov>; Miko, Shanna (CDC/NCEZID/DFWED/WDPB) <rhu6@cdc.gov>
Cc: Stainken, Cameron@CDPH <Cameron.Stainken@cdph.ca.gov>; Kahler, Amy (CDC/NCEZID/DFWED/WDPB) <ete1@cdc.gov>; Kunz, Jasen M. (CDC/NCEZID/DFWED/WDPB) <izk0@cdc.gov>; Hill, Vincent (CDC/NCEZID/DFWED/WDPB) <veh2@cdc.gov>
Subject: RE: Consultation re: STEC O157 cases exposed to natural recreational water in Butte County, CA

Hi Kat,

Thanks for reaching out! Yes, Shanna and I are the right contacts. Shanna is only leave this week so I've included her back-fill for outbreak support, Jasen Kunz. Jasen can set up a call to discuss sampling and testing. Our lab does both water and sediment testing for *E. coli* O157:H7, and we happy to discuss our sampling and testing methods. Of note, generic *E. coli* tests used for monitoring do *not* detect O157:H7 strains, which means those values alone cannot be used to evaluate risk of pathogen contamination.

Thanks for the outbreak notes as well. Just so I'm clear, this pool is untreated, correct? It is fed by a creek without further treatment?

Let us know if you would like to set up a call or prefer Jasen reach out, and thanks again!

Mia

Mia Catharine Mattioli
Environmental Engineer
Centers for Disease Control and Prevention (CDC)
Department of Health and Human Services (HHS)
Office: (404) 718-5643

From: Lamba, Katherine@CDPH <Katherine.Lamba@cdph.ca.gov>

Sent: Wednesday, July 16, 2025 5:05 PM

To: Mattioli, Mia Catharine (CDC/NCEZID/DFWED/WDPB) <kuk9@cdc.gov>; Miko, Shanna (CDC/NCEZID/DFWED/WDPB) <rhu6@cdc.gov>

Cc: Stainken, Cameron (CDC cdph.ca.gov) <cameron.stainken@cdph.ca.gov>

Subject: Consultation re: STEC O157 cases exposed to natural recreational water in Butte County, CA

CAUTION: This email originated from outside of the organization. Do not click links or open attachments unless you recognize the sender and know the content is safe.

Hi Mia and Shanna,

Hoping you're still the right contacts to reach out to- if not, please forward as needed.

CDPH has been supporting Butte County in the investigation of STEC O157 cases they suspect are associated with a couple of related natural recreational water locations in Chico, CA. Butte County has been in discussions with the City of Chico regarding possible testing of water and sediment for STEC/STEC O157 and they are looking for guidance on sampling methods, interpretation of laboratory results, and considerations around water sampling. We're wondering if you and your team may be available to consult on this situation, possibly via a conference call?

Some background:

- Butte County initially identified 2 cases of STEC O157 [REDACTED], onsets [REDACTED], where exposure to [Sycamore Pool](#) (aka One-Mile recreational area/Bidwell Park) in Chico is the suspected exposure. WGS has been completed for one STEC case and is in process for the 2nd. No other closely related recent STEC isolates have been identified.
 - 1 additional STEC case with onset [REDACTED] and exposure to Sycamore pool on [REDACTED] was subsequently identified.
- Sycamore pool is a man-made concrete swimming 'pool' with fresh natural recreational water and is connected to Big Chico Creek
- On 7/1/25, the City of Chico issued a [swimming advisory](#) at Sycamore pool due to elevated E. coli levels from routine testing. Samples are routinely collected upstream and downstream from Sycamore pool. The [pool is closed 7/16-7/18](#) for routine sediment removal/cleaning.
- Butte County has now identified 2 additional STEC cases, onsets [REDACTED] with exposure to the [Five Mile recreational area](#) in Chico, which is also connected to the Big Chico Creek but is about 3 miles east of Sycamore Pool. WGS is pending to determine if these cases have STEC isolates that are related to cases with Sycamore pool exposure.

Thank you, and Cameron please chime in if I've missed any relevant info.

Kat

Katherine Lamba, MPH (she/her)

Epidemiologist

Disease Investigations Section | Infectious Diseases Branch

Center for Infectious Diseases

California Department of Public Health

Phone: 510-620-3429 | Email: Katherine.Lamba@cdph.ca.gov

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Beaudoin, Jarett

From: Beaudoin, Jarett
Sent: Friday, August 15, 2025 9:02 AM
To: McSpadden, Elaine; Wais, Ashley
Subject: Re: E Coli Little Chico Creek

Hmmm. Are you saying the this small water system could be a source of the O157 outbreak (spread through drinking fountains) or are we just talking about general safety of water fountains?

If you are talking O157- I'm assuming if the source was a contaminated small water system than it would only be impacting only certain fountains, and our cases are all over the area. Not to mention, found in multiple areas of the creek. Alas, maybe it's possible both could be contaminated through flooding or some other contamination from the creek? It doesn't seem too plausible when we have *a lot* of evidence point towards the creek as the major source.

If it's general safety of water fountains- than certainly you can reach out to Erik! Whatever your normal way you regulate small water systems or fountains- this outbreak shouldn't get in the way of that?

Jarett Beaudoin
Public Health Officer
Butte County Public Health

From: McSpadden, Elaine <EMcspadden@buttecounty.net>
Sent: Friday, August 15, 2025 8:17:22 AM
To: Beaudoin, Jarett <JBeaudoin@buttecounty.net>; Wais, Ashley <AWais@buttecounty.net>
Subject: RE: E Coli Little Chico Creek

I had another thought: what all is being served by that well? If it has drinking fountains, that could be a small water system. At minimum, they should be testing that well for bacteriological safety.

If you prefer, I can contact Erik and discuss this, let me know what you think. Thank you!

Elaine McSpadden, MS, REHS
Environmental Health Division Director
[BUTTE COUNTY PUBLIC HEALTH](#)
[202 Mira Loma Drive | Oroville, CA 95965](#)
T: 530.552.3865 | F: 530.538.5339

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From: McSpadden, Elaine <EMcspadden@buttecounty.net>
Sent: Friday, August 15, 2025 8:15 AM

To: Beaudoin, Jarrett <JBeaudoin@buttecounty.net>; Wais, Ashley <AWais@buttecounty.net>

Subject: RE: E Coli Little Chico Creek

Hmm, "under the impression" does not give me great confidence. They should identify that source to make sure there is no risk to the public. Do you want me to follow up with them on that?

Thank you for the update, Happy Friday 😊

Elaine McSpadden, MS, REHS

Environmental Health Division Director

[BUTTE COUNTY PUBLIC HEALTH](#)

[202 Mira Loma Drive | Oroville, CA 95965](#)

T: 530.552.3865 | F: 530.538.5339

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From: Beaudoin, Jarrett <JBeaudoin@buttecounty.net>

Sent: Friday, August 15, 2025 8:09 AM

To: McSpadden, Elaine <EMcspadden@buttecounty.net>; Wais, Ashley <AWais@buttecounty.net>

Subject: Re: E Coli Little Chico Creek

Went well!

They are under the impression that the irrigation water is from a well. Historically there was a "creek bypass option" where they could use creek water, but that has been decommissioned?

-Jarrett

From: McSpadden, Elaine <EMcspadden@buttecounty.net>

Sent: Friday, August 15, 2025 7:58 AM

To: Beaudoin, Jarrett <JBeaudoin@buttecounty.net>; Wais, Ashley <AWais@buttecounty.net>

Subject: RE: E Coli Little Chico Creek

Good morning, Dr. Beaudoin,

How did the meeting with City of Chico go? I wanted to check back in with you regarding Fritz's concerns with the park irrigation.

Thank you!

Elaine McSpadden, MS, REHS

Environmental Health Division Director

[BUTTE COUNTY PUBLIC HEALTH](#)

[202 Mira Loma Drive | Oroville, CA 95965](#)

T: 530.552.3865 | F: 530.538.5339

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From: McSpadden, Elaine <EMcspadden@buttecounty.net>
Sent: Wednesday, August 13, 2025 9:51 AM
To: Beaudoin, Jarrett <JBeaudoin@buttecounty.net>; Wais, Ashley <AWais@buttecounty.net>
Subject: RE: E Coli Little Chico Creek

Well, in our small water systems it is rare, it would be complicated to have a dual system with potable water for drinking fountains/restrooms and non-potable water for irrigation. It would have to be clearly posted non-potable and have appropriate backflow protection, etc. I think the golf course may use non-potable water for irrigation, but I am not sure about that.

In my research, it looks like 0157 can live on playground surfaces for up to several days, the UV would impact that but if the water was fresh, a child could potentially use the playground and contaminate their hands. That is my primary concern but EH does not regulate this activity so just an opinion 😊

Elaine McSpadden, MS, REHS
Environmental Health Division Director
[BUTTE COUNTY PUBLIC HEALTH](#)
[202 Mira Loma Drive | Oroville, CA 95965](#)
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From: Beaudoin, Jarrett <JBeaudoin@buttecounty.net>
Sent: Wednesday, August 13, 2025 9:45 AM
To: McSpadden, Elaine <EMcspadden@buttecounty.net>; Wais, Ashley <AWais@buttecounty.net>
Subject: Re: E Coli Little Chico Creek

Wait that's interesting, Why do you think that is surprising? Is that abnormal?

-Jarrett

From: McSpadden, Elaine <EMcspadden@buttecounty.net>
Sent: Wednesday, August 13, 2025 9:43 AM
To: Beaudoin, Jarrett <JBeaudoin@buttecounty.net>; Wais, Ashley <AWais@buttecounty.net>
Subject: RE: E Coli Little Chico Creek

Thank you, I did let him know that we are looking into it. I would be surprised if they are pulling from the creek for irrigation, unless it is the golf course. I look forward to hearing back from your meeting today.

Elaine McSpadden, MS, REHS
Environmental Health Division Director
[BUTTE COUNTY PUBLIC HEALTH](#)
[202 Mira Loma Drive | Oroville, CA 95965](#)
T: 530.552.3865 | F: 530.538.5339

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From: Beaudoin, Jarrett <JBeaudoin@buttecounty.net>
Sent: Wednesday, August 13, 2025 9:27 AM
To: McSpadden, Elaine <EMcspadden@buttecounty.net>; Wais, Ashley <AWais@buttecounty.net>
Subject: Re: E Coli Little Chico Creek

I was going to chat with Chico about it today at our meeting, but you're right- we should respond to this person.

If he's willing to share, can you get his information (where he works, how he knows this, etc), thank him, and tell him we are looking into it?

My hunch is that lawn washed with water with O157 is probably much much much lower risk (unless people are eating the lawn), and if the playground equipment is getting a small bit of spray than this is likely sanitized by Chico's lovely blast of UV daily.

-Jarrett

From: McSpadden, Elaine <EMcspadden@buttecounty.net>
Sent: Wednesday, August 13, 2025 8:30 AM
To: Beaudoin, Jarrett <JBeaudoin@buttecounty.net>; Wais, Ashley <AWais@buttecounty.net>
Subject: RE: E Coli Little Chico Creek

Good morning, I wanted to check back in with this so I can respond to the customer with more information. Should I reach out to City of Chico to ask about this or did you prefer to do that?

Thank you!

Elaine McSpadden, MS, REHS
Environmental Health Division Director
[BUTTE COUNTY PUBLIC HEALTH](#)
[202 Mira Loma Drive | Oroville, CA 95965](#)
T: 530.552.3865 | F: 530.538.5339

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From: McSpadden, Elaine <EMcspadden@buttecounty.net>
Sent: Tuesday, August 12, 2025 3:26 PM
To: Beaudoin, Jarett <JBeaudoin@buttecounty.net>; Wais, Ashley <AWais@buttecounty.net>
Subject: RE: E Coli Little Chico Creek

Yes, I think they mean Big Chico creek and the only contact info provided is his email: Fritz Mckinley
<fritz.mckinley1@gmail.com>

General public inquiry...

Elaine McSpadden, MS, REHS
Environmental Health Division Director
[BUTTE COUNTY PUBLIC HEALTH](#)
[202 Mira Loma Drive | Oroville, CA 95965](#)
T: 530.552.3865 | F: 530.538.5339

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From: Beaudoin, Jarett <JBeaudoin@buttecounty.net>
Sent: Tuesday, August 12, 2025 3:24 PM
To: McSpadden, Elaine <EMcspadden@buttecounty.net>; Wais, Ashley <AWais@buttecounty.net>
Subject: Re: E Coli Little Chico Creek

Interesting. Who is this? I don't see an introduction anywhere. Also I'm assuming he means Big Chico Creek.

-Jarett

From: McSpadden, Elaine <EMcspadden@buttecounty.net>
Sent: Tuesday, August 12, 2025 3:19 PM
To: Wais, Ashley <AWais@buttecounty.net>; Beaudoin, Jarett <JBeaudoin@buttecounty.net>
Subject: FW: E Coli Little Chico Creek

Good afternoon,

Please see below email string. I was not aware that the park is irrigated from the creek water, this may or may not be true. I can reach out to City of Chico to gather more information if you prefer but thought it may be good for one of you to reach out since you are in contact with them regularly? If it is true, I imagine we will need to provide safety precautions for the public in this area. It sounds like 0157 can live for up to several days on equipment...

Let me know how you would like me to proceed, thank you,

Elaine McSpadden, MS, REHS
Environmental Health Division Director
BUTTE COUNTY PUBLIC HEALTH
202 Mira Loma Drive | Oroville, CA 95965
T: 530.552.3865 | F: 530.538.5339

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-----Original Message-----

From: Fritz McKinley <fritz.mckinley1@gmail.com>
Sent: Tuesday, August 12, 2025 3:13 PM
To: McSpadden, Elaine <EMcspadden@buttecounty.net>
Subject: Re: E Coli Little Chico Creek

.ATTENTION: This message originated from outside Butte County. Please exercise judgment before opening attachments, clicking on links, or replying..

Thank you for your response. I'm referring to the water that is directly pumped out of the creek that is used for watering all of the grass areas, including picnic, baseball/softball and open space areas with overspray on the playground equipment. Thank you!
Sent from my iPhone

> On Aug 12, 2025, at 12:47 PM, McSpadden, Elaine <EMcspadden@buttecounty.net> wrote:

>

> Good afternoon,

>

> I need a bit more information from you to fully respond. Are you saying that there is irrigation water pulled out of the creek for watering the park that is getting on the playground? Or are you referring to normal park irrigation (sprinklers, etc.) that is from city water?

>

> Please feel free to give me a call to discuss.

>

> Thank you,

>

> Elaine McSpadden, MS, REHS

> Environmental Health Division Director BUTTE COUNTY PUBLIC HEALTH

> 202 Mira Loma Drive | Oroville, CA 95965

> T: 530.552.3865 | F: 530.538.5339

>

> Nationally Accredited since 09/13/17

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>

> -----Original Message-----

> From: BCEnvHealth <BCEnvHealth@buttecounty.net>

> Sent: Tuesday, August 12, 2025 12:31 PM

> To: McSpadden, Elaine <EMcspadden@buttecounty.net>
> Subject: FW: E Coli Little Chico Creek
>
>
>
> Sincerely,
> Edward Philippi
> BUTTE COUNTY PUBLIC HEALTH
> 202 Mira Loma Drive | Oroville, CA 95965
> T: 530.552.3819 | F: 530.538.5339
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> -----Original Message-----
> From: Fritz Mckinley <fritz.mckinley1@gmail.com>
> Sent: Monday, August 11, 2025 4:50 PM
> To: BCEnvHealth <bcenvhealth@buttecounty.net>
> Subject: E Coli Little Chico Creek
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> I see the signage that recommends not swimming in Little Chico Creek because the possibility of being infected by E Coli. I see that the watering from Little Chico Creek and subsequent overspray on the playgrounds leaving standing water on the fields and on the play areas at Hooker Oak Park. Is this a concern for Public Health.
> Sent from my iPhone

Beaudoin, Jarett

From: Beaudoin, Jarett
Sent: Friday, August 15, 2025 8:09 AM
To: McSpadden, Elaine; Wais, Ashley
Subject: Re: E Coli Little Chico Creek

Went well!

They are under the impression that the irrigation water is from a well. Historically there was a "creek bypass option" where they could use creek water, but that has been decommissioned?

-Jarett

From: McSpadden, Elaine <EMcspadden@buttecounty.net>
Sent: Friday, August 15, 2025 7:58 AM
To: Beaudoin, Jarett <JBeaudoin@buttecounty.net>; Wais, Ashley <AWais@buttecounty.net>
Subject: RE: E Coli Little Chico Creek

Good morning, Dr. Beaudoin,

How did the meeting with City of Chico go? I wanted to check back in with you regarding Fritz's concerns with the park irrigation.

Thank you!

Elaine McSpadden, MS, REHS
Environmental Health Division Director
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From: McSpadden, Elaine <EMcspadden@buttecounty.net>
Sent: Wednesday, August 13, 2025 9:51 AM
To: Beaudoin, Jarett <JBeaudoin@buttecounty.net>; Wais, Ashley <AWais@buttecounty.net>
Subject: RE: E Coli Little Chico Creek

Well, in our small water systems it is rare, it would be complicated to have a dual system with potable water for drinking fountains/restrooms and non-potable water for irrigation. It would have to be clearly posted non-potable and have appropriate backflow protection, etc. I think the golf course may use non-potable water for irrigation, but I am not sure about that.

In my research, it looks like 0157 can live on playground surfaces for up to several days, the UV would impact that but if the water was fresh, a child could potentially use the playground and contaminate their hands. That is my primary concern but EH does not regulate this activity so just an opinion 😊

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From: Beaudoin, Jarrett <JBeaudoin@buttecounty.net>

Sent: Wednesday, August 13, 2025 9:45 AM

To: McSpadden, Elaine <EMcspadden@buttecounty.net>; Wais, Ashley <AWais@buttecounty.net>

Subject: Re: E Coli Little Chico Creek

Wait that's interesting, Why do you think that is surprising? Is that abnormal?

-Jarrett

From: McSpadden, Elaine <EMcspadden@buttecounty.net>

Sent: Wednesday, August 13, 2025 9:43 AM

To: Beaudoin, Jarrett <JBeaudoin@buttecounty.net>; Wais, Ashley <AWais@buttecounty.net>

Subject: RE: E Coli Little Chico Creek

Thank you, I did let him know that we are looking into it. I would be surprised if they are pulling from the creek for irrigation, unless it is the golf course. I look forward to hearing back from your meeting today.

Elaine McSpadden, MS, REHS

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Subject: Re: E Coli Little Chico Creek

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If he's willing to share, can you get his information (where he works, how he knows this, etc), thank him, and tell him we are looking into it?

My hunch is that lawn washed with water with O157 is probably much much much lower risk (unless people are eating the lawn), and if the playground equipment is getting a small bit of spray than this is likely sanitized by Chico's lovely blast of UV daily.

-Jarett

From: McSpadden, Elaine <EMcspadden@buttecounty.net>
Sent: Wednesday, August 13, 2025 8:30 AM
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Subject: RE: E Coli Little Chico Creek

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Thank you!

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Sent: Tuesday, August 12, 2025 3:26 PM
To: Beaudoin, Jarett <JBeaudoin@buttecounty.net>; Wais, Ashley <AWais@buttecounty.net>
Subject: RE: E Coli Little Chico Creek

Yes, I think they mean Big Chico creek and the only contact info provided is his email: Fritz Mckinley
<fritz.mckinley1@gmail.com>

General public inquiry...

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Sent: Tuesday, August 12, 2025 3:24 PM
To: McSpadden, Elaine <EMcspadden@buttecounty.net>; Wais, Ashley <AWais@buttecounty.net>
Subject: Re: E Coli Little Chico Creek

Interesting. Who is this? I don't see an introduction anywhere. Also I'm assuming he means Big Chico Creek.

-Jarrett

From: McSpadden, Elaine <EMcspadden@buttecounty.net>
Sent: Tuesday, August 12, 2025 3:19 PM
To: Wais, Ashley <AWais@buttecounty.net>; Beaudoin, Jarrett <JBeaudoin@buttecounty.net>
Subject: FW: E Coli Little Chico Creek

Good afternoon,

Please see below email string. I was not aware that the park is irrigated from the creek water, this may or may not be true. I can reach out to City of Chico to gather more information if you prefer but thought it may be good for one of you to reach out since you are in contact with them regularly? If it is true, I imagine we will need to provide safety precautions for the public in this area. It sounds like 0157 can live for up to several days on equipment...

Let me know how you would like me to proceed, thank you,

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Thank you for your response. I'm referring to the water that is directly pumped out of the creek that is used for watering all of the grass areas, including picnic, baseball/softball and open space areas with overspray on the playground equipment. Thank you!
Sent from my iPhone

> On Aug 12, 2025, at 12:47 PM, McSpadden, Elaine <EMcspadden@buttecounty.net> wrote:

>

> Good afternoon,

>

> I need a bit more information from you to fully respond. Are you saying that there is irrigation water pulled out of the creek for watering the park that is getting on the playground? Or are you referring to normal park irrigation (sprinklers, etc.) that is from city water?

>

> Please feel free to give me a call to discuss.

>

> Thank you,

>

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> From: Fritz McKinley <fritz.mckinley1@gmail.com>

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Beaudoin, Jarett

From: Beaudoin, Jarett
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To: McSpadden, Elaine; Wais, Ashley
Subject: Re: E Coli Little Chico Creek

Oh I see... it's more

-Jarett

From: McSpadden, Elaine <EMcspadden@buttecounty.net>
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Subject: Re: E Coli Little Chico Creek

Wait that's interesting, Why do you think that is surprising? Is that abnormal?

-Jarett

From: McSpadden, Elaine <EMcspadden@buttecounty.net>
Sent: Wednesday, August 13, 2025 9:43 AM
To: Beaudoin, Jarett <JBeaudoin@buttecounty.net>; Wais, Ashley <AWais@buttecounty.net>
Subject: RE: E Coli Little Chico Creek

Thank you, I did let him know that we are looking into it. I would be surprised if they are pulling from the creek for irrigation, unless it is the golf course. I look forward to hearing back from your meeting today.

Elaine McSpadden, MS, REHS
Environmental Health Division Director
[BUTTE COUNTY PUBLIC HEALTH](#)
[202 Mira Loma Drive | Oroville, CA 95965](#)
T: 530.552.3865 | F: 530.538.5339

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From: Beaudoin, Jarett <JBeaudoin@buttecounty.net>
Sent: Wednesday, August 13, 2025 9:27 AM
To: McSpadden, Elaine <EMcspadden@buttecounty.net>; Wais, Ashley <AWais@buttecounty.net>
Subject: Re: E Coli Little Chico Creek

I was going to chat with Chico about it today at our meeting, but you're right- we should respond to this person.

If he's willing to share, can you get his information (where he works, how he knows this, etc), thank him, and tell him we are looking into it?

My hunch is that lawn washed with water with O157 is probably much much much lower risk (unless people are eating the lawn), and if the playground equipment is getting a small bit of spray than this is likely sanitized by Chico's lovely blast of UV daily.

-Jarett

From: McSpadden, Elaine <EMcspadden@buttecounty.net>
Sent: Wednesday, August 13, 2025 8:30 AM

To: Beaudoin, Jarrett <JBeaudoin@buttecounty.net>; Wais, Ashley <AWais@buttecounty.net>

Subject: RE: E Coli Little Chico Creek

Good morning, I wanted to check back in with this so I can respond to the customer with more information. Should I reach out to City of Chico to ask about this or did you prefer to do that?

Thank you!

Elaine McSpadden, MS, REHS
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From: McSpadden, Elaine <EMcspadden@buttecounty.net>

Sent: Tuesday, August 12, 2025 3:26 PM

To: Beaudoin, Jarrett <JBeaudoin@buttecounty.net>; Wais, Ashley <AWais@buttecounty.net>

Subject: RE: E Coli Little Chico Creek

Yes, I think they mean Big Chico creek and the only contact info provided is his email: Fritz Mckinley
<fritz.mckinley1@gmail.com>

General public inquiry...

Elaine McSpadden, MS, REHS
Environmental Health Division Director
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From: Beaudoin, Jarrett <JBeaudoin@buttecounty.net>

Sent: Tuesday, August 12, 2025 3:24 PM

To: McSpadden, Elaine <EMcspadden@buttecounty.net>; Wais, Ashley <AWais@buttecounty.net>

Subject: Re: E Coli Little Chico Creek

Interesting. Who is this? I don't see an introduction anywhere. Also I'm assuming he means Big Chico Creek.

-Jarrett

From: McSpadden, Elaine <EMcspadden@buttecounty.net>
Sent: Tuesday, August 12, 2025 3:19 PM
To: Wais, Ashley <AWais@buttecounty.net>; Beaudoin, Jarett <JBeaudoin@buttecounty.net>
Subject: FW: E Coli Little Chico Creek

Good afternoon,

Please see below email string. I was not aware that the park is irrigated from the creek water, this may or may not be true. I can reach out to City of Chico to gather more information if you prefer but thought it may be good for one of you to reach out since you are in contact with them regularly? If it is true, I imagine we will need to provide safety precautions for the public in this area. It sounds like 0157 can live for up to several days on equipment...

Let me know how you would like me to proceed, thank you,

Elaine McSpadden, MS, REHS
Environmental Health Division Director
BUTTE COUNTY PUBLIC HEALTH
202 Mira Loma Drive | Oroville, CA 95965
T: 530.552.3865 | F: 530.538.5339

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-----Original Message-----

From: Fritz Mckinley <fritz.mckinley1@gmail.com>
Sent: Tuesday, August 12, 2025 3:13 PM
To: McSpadden, Elaine <EMcspadden@buttecounty.net>
Subject: Re: E Coli Little Chico Creek

.ATTENTION: This message originated from outside Butte County. Please exercise judgment before opening attachments, clicking on links, or replying..

Thank you for your response. I'm referring to the water that is directly pumped out of the creek that is used for watering all of the grass areas, including picnic, baseball/softball and open space areas with overspray on the playground equipment. Thank you!
Sent from my iPhone

> On Aug 12, 2025, at 12:47 PM, McSpadden, Elaine <EMcspadden@buttecounty.net> wrote:

>

> Good afternoon,

>

> I need a bit more information from you to fully respond. Are you saying that there is irrigation water pulled out of the creek for watering the park that is getting on the playground? Or are you referring to normal park irrigation (sprinklers, etc.) that is from city water?

>

> Please feel free to give me a call to discuss.

>

> Thank you,

>

> Elaine McSpadden, MS, REHS

> Environmental Health Division Director BUTTE COUNTY PUBLIC HEALTH

> 202 Mira Loma Drive | Oroville, CA 95965

> T: 530.552.3865 | F: 530.538.5339

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>

> -----Original Message-----

> From: BCEnvHealth <BCEnvHealth@buttecounty.net>

> Sent: Tuesday, August 12, 2025 12:31 PM

> To: McSpadden, Elaine <EMcspadden@buttecounty.net>

> Subject: FW: E Coli Little Chico Creek

>

>

>

> Sincerely,

> Edward Philippi

> BUTTE COUNTY PUBLIC HEALTH

> 202 Mira Loma Drive | Oroville, CA 95965

> T: 530.552.3819 | F: 530.538.5339

>

> Nationally Accredited since 09/13/17

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>

> -----Original Message-----

> From: Fritz McKinley <fritz.mckinley1@gmail.com>

> Sent: Monday, August 11, 2025 4:50 PM

> To: BCEnvHealth <bcenvhealth@buttecounty.net>

> Subject: E Coli Little Chico Creek

>

> .ATTENTION: This message originated from outside Butte County. Please exercise judgment before opening attachments, clicking on links, or replying..

>

> I see the signage that recommends not swimming in Little Chico Creek because the possibility of being infected by E Coli. I see that the watering from Little Chico Creek and subsequent overspray on the playgrounds leaving

standing water on the fields and on the play areas at Hooker Oak Park. Is this a concern for Public Health.

> Sent from my iPhone

Beaudoin, Jarett

From: Beaudoin, Jarett
Sent: Wednesday, August 13, 2025 9:44 AM
To: Wais, Ashley
Subject: Re: Clarifying Discussion Points for City Meeting

I love the teams idea.

I love the agenda. More specifically:

- Results
 - O157 locations - I think for this group we can share the actual location details, but tell them our concerns for not releasing to public
 - Animal Hypothesis - I think we should emphasize the non-human likely source
- Press release
 - Our current release does not mention city of chico... so we should ask them if it's ok for joint
- Investigation next steps (?)
 - I'd love to ask about Deer, Starling, Other sources, and the golf course.
 - I'd also like to ask about any known discharge sites
- Signage (?)
 - Monica is nervous about pressing on the signs but I think we need better signs. Also we are legally the sign people - [Cal. Code Regs. Tit. 17, § 7960 - Corrective Action | State Regulations | US Law | LII / Legal Information Institute](#)
- Other items (Hooker Oak Park water source?)
 - This is silly but we can ask for thoroughness.

-Jarett

From: Wais, Ashley <AWais@buttecounty.net>
Sent: Wednesday, August 13, 2025 9:22 AM
To: Beaudoin, Jarett <JBeaudoin@buttecounty.net>
Subject: Clarifying Discussion Points for City Meeting

Good morning!

Sorry to bother you, but I'm hoping to get some clarity on our discussion points for the meeting with the City this afternoon. I'm assuming we'll be covering:

- Results
- Press release
- Investigation next steps (?)
- Signage (?)
- Other items (Hooker Oak Park water source?)

If we have time, I'd also like to see if any of them might be a good contact for information about the golf course—specifically regarding water reuse, fertilizer use, and drainage. If not, maybe they can connect us with the right person. Having this basic information would be helpful as we determine next steps in our investigation. I certainly am not an expert on golf courses and how they are managed, so there are certainly contributing factors that I am not aware of, but I would like to at least have a basic understanding related to those three concerns mentioned above. Thoughts?

On an unrelated note (just FYI), I'm putting together a document with primary/alternative hypotheses, supporting evidence, and next steps to help keep my thoughts organized during this process. I'm thinking of creating a Teams channel to keep everything in one place. I'll invite you in case you ever want to take a look (you certainly don't have to- I just want to try to get all of my jumbled thoughts into one place).

Thanks,

Ashley Wais, MPH, CIC®

Epidemiologist

[BUTTE COUNTY PUBLIC HEALTH](#)

[202 Mira Loma Drive | Oroville, CA 95965](#)

T: [530-552-3950](#) | M: [530-300-4166](#)

<https://www.buttecounty.net/610/Public-Health>



Hear my name

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Beaudoin, Jarett

From: Beaudoin, Jarett
Sent: Wednesday, August 13, 2025 9:27 AM
To: McSpadden, Elaine; Wais, Ashley
Subject: Re: E Coli Little Chico Creek

I was going to chat with Chico about it today at our meeting, but you're right- we should respond to this person.

If he's willing to share, can you get his information (where he works, how he knows this, etc), thank him, and tell him we are looking into it?

My hunch is that lawn washed with water with O157 is probably much much much lower risk (unless people are eating the lawn), and if the playground equipment is getting a small bit of spray than this is likely sanitized by Chico's lovely blast of UV daily.

-Jarett

From: McSpadden, Elaine <EMcspadden@buttecounty.net>
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Subject: RE: E Coli Little Chico Creek

Good morning, I wanted to check back in with this so I can respond to the customer with more information. Should I reach out to City of Chico to ask about this or did you prefer to do that?

Thank you!

Elaine McSpadden, MS, REHS
Environmental Health Division Director
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Subject: RE: E Coli Little Chico Creek

Yes, I think they mean Big Chico creek and the only contact info provided is his email: Fritz Mckinley
[<fritz.mckinley1@gmail.com>](mailto:fritz.mckinley1@gmail.com)

General public inquiry...

Elaine McSpadden, MS, REHS
Environmental Health Division Director
[BUTTE COUNTY PUBLIC HEALTH](#)
[202 Mira Loma Drive | Oroville, CA 95965](#)
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Subject: FW: E Coli Little Chico Creek

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Elaine McSpadden, MS, REHS
Environmental Health Division Director
BUTTE COUNTY PUBLIC HEALTH
202 Mira Loma Drive | Oroville, CA 95965
T: 530.552.3865 | F: 530.538.5339

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-----Original Message-----

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Sent from my iPhone

> On Aug 12, 2025, at 12:47 PM, McSpadden, Elaine <EMcspadden@buttecounty.net> wrote:

>

> Good afternoon,

>

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> Please feel free to give me a call to discuss.

>

> Thank you,

>

> Elaine McSpadden, MS, REHS

> Environmental Health Division Director BUTTE COUNTY PUBLIC HEALTH

> 202 Mira Loma Drive | Oroville, CA 95965

> T: 530.552.3865 | F: 530.538.5339

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> -----Original Message-----

> From: BCEnvHealth <BCEnvHealth@buttecounty.net>

> Sent: Tuesday, August 12, 2025 12:31 PM

> To: McSpadden, Elaine <EMcspadden@buttecounty.net>

> Subject: FW: E Coli Little Chico Creek

>

>

>

> Sincerely,

> Edward Philippi

> BUTTE COUNTY PUBLIC HEALTH

> 202 Mira Loma Drive | Oroville, CA 95965
> T: 530.552.3819 | F: 530.538.5339
>
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>
> -----Original Message-----
> From: Fritz McKinley <fritz.mckinley1@gmail.com>
> Sent: Monday, August 11, 2025 4:50 PM
> To: BCEnvHealth <bcenvhealth@buttecounty.net>
> Subject: E Coli Little Chico Creek
>
> .ATTENTION: This message originated from outside Butte County. Please exercise judgment before opening attachments, clicking on links, or replying..
>
> I see the signage that recommends not swimming in Little Chico Creek because the possibility of being infected by E Coli. I see that the watering from Little Chico Creek and subsequent overspray on the playgrounds leaving standing water on the fields and on the play areas at Hooker Oak Park. Is this a concern for Public Health.
> Sent from my iPhone

Beaudoin, Jarett

From: Beaudoin, Jarett
Sent: Wednesday, August 13, 2025 9:02 AM
To: Almaguer, Lisa; Soderstrom, Monica; Wais, Ashley
Subject: Re: DRAFT press release, RE CDC findings for Big Chico Creek
Attachments: CDC Confirms E coli in Big Chico Creek_JB edits.docx

This is looking good.

Here are my edits. A couple thoughts:

- I tried to take out some of the language that is too specific: "the *entire* creek system" or the "*exact* source"
- I modified my quote a bit
- In next steps, I think it sounded a bit like BCPH is taking a back seat. The *CDC* is recommending, the *experts* are going to tell us what to do, or we are looking for potential *partnerships*... I changed it to hopefully communicate that we are in charge (Because we are!) and we will be finishing this out regardless of who decides to come to the table.
- I also added a final sentence that we will continue to update everyone.

Questions

- We did not warn that this could be months. Do we want to?

-Jarett

From: Almaguer, Lisa <LAlmaguer@buttecounty.net>
Sent: Wednesday, August 13, 2025 8:07 AM
To: Soderstrom, Monica <msoderstrom@buttecounty.net>; Wais, Ashley <AWais@buttecounty.net>; Beaudoin, Jarett <JBeaudoin@buttecounty.net>
Subject: RE: DRAFT press release, RE CDC findings for Big Chico Creek

Attached is the final draft of the press release.

Lisa Almaguer
Public Information Officer
[BUTTE COUNTY PUBLIC HEALTH](#)
[2080 E 20th Street, Suite 180 | Chico, CA 95928](#)
T: 530.552.4000 | D: [530.552.4041](#)

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From: Soderstrom, Monica <msoderstrom@buttecounty.net>
Sent: Tuesday, August 12, 2025 4:26 PM
To: Wais, Ashley <AWais@buttecounty.net>; Almaguer, Lisa <LAlmaguer@buttecounty.net>; Beaudoin, Jarett <JBeaudoin@buttecounty.net>
Subject: RE: DRAFT press release, RE CDC findings for Big Chico Creek

Thank you, Lisa and Ashley.
I like the suggestions Ashley has made. I don't have any further edits.

Sincerely,

Monica Soderstrom, RN, PHN
Public Health Director
[BUTTE COUNTY PUBLIC HEALTH](#)
[202 Mira Loma Drive | Oroville, CA 95965](#)
T: 530.552.4000 | D: [530.552.3930](#) |

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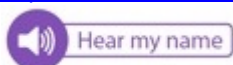
From: Wais, Ashley <AWais@buttecounty.net>
Sent: Tuesday, August 12, 2025 3:47 PM
To: Almaguer, Lisa <LAlmaguer@buttecounty.net>; Beaudoin, Jarett <JBeaudoin@buttecounty.net>; Soderstrom, Monica <msoderstrom@buttecounty.net>
Subject: RE: DRAFT press release, RE CDC findings for Big Chico Creek

Hi Lisa,

Thank you for putting this together. My proposed edits are attached. I did include the July 17 sampling date, but did not know if that was needed or not. Technically, we had two sampling dates (our big sampling effort on July 24th and the samples Chico collected during the initial cleaning of Sycamore Pool on 7/17).

Thank you,

Ashley Wais, MPH, CIC®
Epidemiologist
[BUTTE COUNTY PUBLIC HEALTH](#)
[202 Mira Loma Drive | Oroville, CA 95965](#)
T: [530-552-3950](#) | M: [530-300-4166](#)
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From: Almaguer, Lisa <LAlmaguer@buttecounty.net>

Sent: Tuesday, August 12, 2025 2:36 PM

To: Beaudoin, Jarett <JBeaudoin@buttecounty.net>; Soderstrom, Monica <msoderstrom@buttecounty.net>; Wais, Ashley <AWais@buttecounty.net>

Subject: DRAFT press release, RE CDC findings for Big Chico Creek

Hello all,

I believe that I've captured all that we talked about. Please review and provide feedback.

Thank you!

Lisa Almaguer

Public Information Officer

[BUTTE COUNTY PUBLIC HEALTH](#)

[2080 E 20th Street, Suite 180 | Chico, CA 95928](#)

T: 530.552.4000 | D: [530.552.4041](tel:530.552.4041)

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Beaudoin, Jarett

From: Beaudoin, Jarett
Sent: Wednesday, August 13, 2025 7:22 AM
To: Erik Gustafson; Mark Sorensen; Skyler Lipski; emorrissey@chicorec.gov; Miranda Bowersox
Cc: Wais, Ashley; Almaguer, Lisa
Subject: Re: Big Chico Creek Update

Excellent. I'll send out an invite for 4:00. Maybe do to the short notice, lets just do Teams? Does that work for everyone?

-Jarett

From: Erik Gustafson <erik.gustafson@Chicoca.gov>
Sent: Tuesday, August 12, 2025 4:34 PM
To: Beaudoin, Jarett <JBeaudoin@buttecounty.net>; Mark Sorensen <Mark.Sorensen@chicoca.gov>; Skyler Lipski <skyler.lipski@Chicoca.gov>; emorrissey@chicorec.gov <emorrissey@chicorec.gov>; Miranda Bowersox <Miranda.Bowersox@chicoca.gov>
Cc: Wais, Ashley <AWais@buttecounty.net>; Almaguer, Lisa <LAlmaguer@buttecounty.net>
Subject: RE: Big Chico Creek Update

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Hi Jarett-

Looks like City staff can do tomorrow 4pm or Thursday at Noon. Thanks,

Erik Gustafson

Director, Public Works O&M
(530) 894-4202 Office

From: Beaudoin, Jarett <JBeaudoin@buttecounty.net>
Sent: Tuesday, August 12, 2025 3:30 PM
To: Erik Gustafson <erik.gustafson@Chicoca.gov>; Mark Sorensen <Mark.Sorensen@chicoca.gov>; Skyler Lipski <skyler.lipski@Chicoca.gov>; emorrissey@chicorec.gov; Miranda Bowersox <Miranda.Bowersox@chicoca.gov>
Cc: Wais, Ashley <AWais@buttecounty.net>; Lisa Almaguer <LAlmaguer@buttecounty.net>
Subject: Re: Big Chico Creek Update

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Hello everyone.

We have some updates about the creek. Any chance we could set up a meeting for this week? Maybe tomorrow at 3:30 or 4:00? We could also do Thursday at noon, or Friday at 8:00 or 11:00?

-Jarett

From: Beaudoin, Jarett <JBeaudoin@buttecounty.net>

Sent: Monday, August 4, 2025 11:32 AM

To: Erik Gustafson <erik.gustafson@chicoca.gov>; Mark.Sorensen@chicoca.gov <mark.sorensen@chicoca.gov>; Skyler Lipski <skyler.lipski@chicoca.gov>; emorrissey@chicorec.gov <emorrissey@chicorec.gov>; Miranda.Bowersox@chicoca.gov <miranda.bowersox@chicoca.gov>

Cc: Wais, Ashley <AWais@buttecounty.net>

Subject: Big Chico Creek Update

Hey Chico team,

Just wanted to give an update. We are still waiting on more data but have some initial findings that I think are important for you all to know:

- **Creek Sediment/Water testing:** Creek Samples have found E. Coli O157 (the toxic type) at Sycamore Pool, Nature Center, and Five Mile. The results farther upstream (Aligator hole) and at Horseshoe Lake (chosen due to goose exposure) were negative.
- **Case Linkages:** The cases from Sycamore Pool and Five Mile are genetically identical.
- **Pending Tests:** pending indicator bacteria testing for various animals to see what animals could be defecating in the creek. Also pending tests of some goose scat samples.

Long story short- no current changes to swim advisories, and growing evidence that this is a Creek-wide issue, not just a sycamore pool issue.

Just as a warning- CDC has worked on these cases before and in most cases have recommended closing these areas for the *entire season*. The thought is that even if you identify the source, you still have to wait for the harmful E.Coli to die off over the winter, essentially resetting the creek. This isn't definitive right now, but just wanted to let you all know this is a strong possibility.

I'll update you all again when we have more information, and this may trigger more testing. **We have not released these initial results to the public yet, but plan to once we get them all back.** Obviously, I'll send you the release before we put something out.

As always- feel free to reach out with any questions. I'm happy to talk any time.

-Jarett

Jarett Beaudoin, M.D., M.P.H.

Public Health Officer

[BUTTE COUNTY PUBLIC HEALTH](#)

[202 Mira Loma Drive | Oroville, CA 95965](#)

T: 530.552.4000

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Beaudoin, Jarett

From: Beaudoin, Jarett
Sent: Tuesday, August 12, 2025 3:45 PM
To: Wais, Ashley; 'Lamba, Katherine@CDPH'; Stainken, Cameron@CDPH
Subject: Re: Butte STEC O157 Follow-Up

Also-

Did the Regional Health Office reach out to you all yet about our regional One Health convening? Our topic is recreational water quality (I wonder who recommended that...) and I told them that having someone from your group would really elevate the conversation.

-Jarett

From: Wais, Ashley <AWais@buttecounty.net>
Sent: Tuesday, August 12, 2025 12:42 PM
To: 'Lamba, Katherine@CDPH' <Katherine.Lamba@cdph.ca.gov>; Stainken, Cameron@CDPH <Cameron.Stainken@cdph.ca.gov>
Cc: Beaudoin, Jarett <JBeaudoin@buttecounty.net>
Subject: RE: Butte STEC O157 Follow-Up

Hi Kat,

Yes, this would be part of our ongoing investigation into the source of the STEC O157 outbreak. Thank you for your continued support in this effort.

Kindly,

Ashley Wais, MPH, CIC®

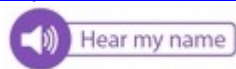
Epidemiologist

[BUTTE COUNTY PUBLIC HEALTH](#)

[202 Mira Loma Drive | Oroville, CA 95965](#)

T: [530-552-3950](tel:530-552-3950) | M: [530-300-4166](tel:530-300-4166)

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From: Lamba, Katherine@CDPH <Katherine.Lamba@cdph.ca.gov>
Sent: Tuesday, August 12, 2025 12:35 PM
To: Wais, Ashley <AWais@buttecounty.net>; Stainken, Cameron@CDPH <Cameron.Stainken@cdph.ca.gov>

Cc: Beaudoin, Jarett <jbeaudoin@buttecounty.net>

Subject: RE: Butte STEC O157 Follow-Up

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Hi Ashley,

To confirm- you were thinking this would be more immediate collection/testing as part of the outbreak response (vs long term monitoring)? We have a standing meeting with our Food and Drug Branch (Christian) and the Food and Drug Lab this afternoon and can ask about current capacity for specimen receipt/logging and testing.

Kat

Katherine Lamba, MPH (she/her)
California Department of Public Health
Phone: 510-620-3429 | Email: Katherine.Lamba@cdph.ca.gov

Confidential - Low

From: Wais, Ashley <AWais@buttecounty.net>
Sent: Tuesday, August 12, 2025 12:02 PM
To: Stainken, Cameron@CDPH <Cameron.Stainken@cdph.ca.gov>; Lamba, Katherine@CDPH <Katherine.Lamba@cdph.ca.gov>
Cc: Beaudoin, Jarett <jbeaudoin@buttecounty.net>
Subject: RE: Butte STEC O157 Follow-Up

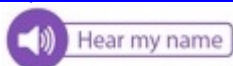
Hi Kat and Cameron,

After reviewing the report from the CDC, Dr. Beaudoin and I have been discussing the possibility of conducting further animal testing (specifically deer) to assess for the presence of STEC O157. I'm reaching out to get your thoughts on whether one of the CDPH labs might be able to provide laboratory support for this testing. We are particularly interested in which CDPH labs have the capacity to perform this work and what the expected turnaround times might be.

Thank you,

Ashley Wais, MPH, CIC®

Epidemiologist
BUTTE COUNTY PUBLIC HEALTH
202 Mira Loma Drive | Oroville, CA 95965
T: 530-552-3950 | M: 530-300-4166
<https://www.buttecounty.net/610/Public-Health>



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From: Stainken, Cameron@CDPH <Cameron.Stainken@cdph.ca.gov>
Sent: Monday, August 11, 2025 2:36 PM
To: Wais, Ashley <AWais@buttecounty.net>; Lamba, Katherine@CDPH <Katherine.Lamba@cdph.ca.gov>
Subject: RE: Butte STEC O157 Follow-Up

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Perfect, thank you!

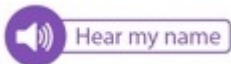
Confidential - Low

From: Wais, Ashley <AWais@buttecounty.net>
Sent: Monday, August 11, 2025 2:12 PM
To: Stainken, Cameron@CDPH <Cameron.Stainken@cdph.ca.gov>; Lamba, Katherine@CDPH <Katherine.Lamba@cdph.ca.gov>
Subject: RE: Butte STEC O157 Follow-Up

Thank you Cameron! I expect we will be issuing a press release by the end of this week and I will let you know when that does occur.

Thanks again,

Ashley Wais, MPH, CIC®
Epidemiologist
[BUTTE COUNTY PUBLIC HEALTH](#)
[202 Mira Loma Drive | Oroville, CA 95965](#)
T: [530-552-3950](tel:530-552-3950) | M: [530-300-4166](tel:530-300-4166)
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From: Stainken, Cameron@CDPH <Cameron.Stainken@cdph.ca.gov>
Sent: Monday, August 11, 2025 2:01 PM
To: Wais, Ashley <AWais@buttecounty.net>; Lamba, Katherine@CDPH <Katherine.Lamba@cdph.ca.gov>
Subject: RE: Butte STEC O157 Follow-Up

Thanks Ashley! Good to know re: the creek usage. We've had some initial discussions with the EH group about this outbreak, so I can reach out and see whether they might be able to help with next steps now that we are moving out of the human epi phase of investigation. If so, happy to arrange a conversation.

Please let us know when you release public comms re: testing results and continued no swim advisory!

Thanks,
Cameron

Cameron Stainken MD MPH MSc
Disease Investigations Section
Infectious Diseases Branch
California Department of Public Health

Confidential - Low

From: Wais, Ashley <AWais@buttecounty.net>
Sent: Monday, August 11, 2025 1:40 PM
To: Stainken, Cameron@CDPH <Cameron.Stainken@cdph.ca.gov>; Lamba, Katherine@CDPH <Katherine.Lamba@cdph.ca.gov>
Subject: Butte STEC O157 Follow-Up

Hi Cameron and Kat,

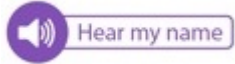
Thank you both for attending the meeting earlier today. I wanted to follow up on a couple of topics you mentioned in the chat:

1. **Swimming season for Big Chico Creek** – Swimming typically occurs from May through September. Occasionally, if we get an unexpected heat wave, there may be limited swimming into early October. Upper Park (where Five Mile and Alligator Hole are located) also has horse/hiking trails, so it's possible that trail users may have minimal water contact there, though this would likely be infrequent and rarely involve younger children. While there may be other opportunities for human contact with the creek outside of the swimming season, this is what comes to mind initially.
2. **Environmental Health Division at CDPH** – You mentioned this group in the chat. Do you think it would be worthwhile to have a conversation with them? Dr. Beaudoin exchanged a few emails with them previously, but we weren't certain what role they might play in these efforts. Any insight you can share would be much appreciated.

Thanks again for your assistance!

Kindly,
Ashley Wais, MPH, CIC®

Epidemiologist
[BUTTE COUNTY PUBLIC HEALTH](#)
[202 Mira Loma Drive | Oroville, CA 95965](#)
T: [530-552-3950](#) | M: [530-300-4166](#)
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Beaudoin, Jarett

From: Beaudoin, Jarett
Sent: Tuesday, August 12, 2025 3:30 PM
To: Erik Gustafson; Mark.Sorensen@chicoca.gov; Skyler Lipski; emorrissey@chicorec.gov; Miranda.Bowersox@chicoca.gov
Cc: Wais, Ashley; Almaguer, Lisa
Subject: Re: Big Chico Creek Update

Hello everyone.

We have some updates about the creek. Any chance we could set up a meeting for this week? Maybe tomorrow at 3:30 or 4:00? We could also do Thursday at noon, or Friday at 8:00 or 11:00?

-Jarett

From: Beaudoin, Jarett <JBeaudoin@buttecounty.net>
Sent: Monday, August 4, 2025 11:32 AM
To: Erik Gustafson <erik.gustafson@chicoca.gov>; Mark.Sorensen@chicoca.gov <mark.sorensen@chicoca.gov>; Skyler Lipski <skyler.lipski@chicoca.gov>; emorrissey@chicorec.gov <emorrissey@chicorec.gov>; Miranda.Bowersox@chicoca.gov <miranda.bowersox@chicoca.gov>
Cc: Wais, Ashley <AWais@buttecounty.net>
Subject: Big Chico Creek Update

Hey Chico team,

Just wanted to give an update. We are still waiting on more data but have some initial findings that I think are important for you all to know:

- **Creek Sediment/Water testing:** Creek Samples have found E. Coli O157 (the toxic type) at Sycamore Pool, Nature Center, and Five Mile. The results farther upstream (Aligator hole) and at Horseshoe Lake (chosen due to goose exposure) were negative.
- **Case Linkages:** The cases from Sycamore Pool and Five Mile are genetically identical.
- **Pending Tests:** pending indicator bacteria testing for various animals to see what animals could be defecating in the creek. Also pending tests of some goose scat samples.

Long story short- no current changes to swim advisories, and growing evidence that this is a Creek-wide issue, not just a sycamore pool issue.

Just as a warning- CDC has worked on these cases before and in most cases have recommended closing these areas for the *entire season*. The thought is that even if you identify the source, you still have to wait for the harmful E.Coli to die off over the winter, essentially resetting the creek. This isn't definitive right now, but just wanted to let you all know this is a strong possibility.

I'll update you all again when we have more information, and this may trigger more testing. **We have not released these initial results to the public yet, but plan to once we get them all back.** Obviously, I'll send you the release before we put something out.

As always- feel free to reach out with any questions. I'm happy to talk any time.

-Jarett

Jarett Beaudoin, M.D., M.P.H.

Public Health Officer

[BUTTE COUNTY PUBLIC HEALTH](#)

[202 Mira Loma Drive | Oroville, CA 95965](#)

T: 530.552.4000

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Beaudoin, Jarett

From: Beaudoin, Jarett
Sent: Tuesday, August 12, 2025 3:24 PM
To: McSpadden, Elaine; Wais, Ashley
Subject: Re: E Coli Little Chico Creek

Interesting. Who is this? I don't see an introduction anywhere. Also I'm assuming he means Big Chico Creek.

-Jarett

From: McSpadden, Elaine <EMcspadden@buttecounty.net>
Sent: Tuesday, August 12, 2025 3:19 PM
To: Wais, Ashley <AWais@buttecounty.net>; Beaudoin, Jarett <JBeaudoin@buttecounty.net>
Subject: FW: E Coli Little Chico Creek

Good afternoon,

Please see below email string. I was not aware that the park is irrigated from the creek water, this may or may not be true. I can reach out to City of Chico to gather more information if you prefer but thought it may be good for one of you to reach out since you are in contact with them regularly? If it is true, I imagine we will need to provide safety precautions for the public in this area. It sounds like 0157 can live for up to several days on equipment...

Let me know how you would like me to proceed, thank you,

Elaine McSpadden, MS, REHS
Environmental Health Division Director
BUTTE COUNTY PUBLIC HEALTH
202 Mira Loma Drive | Oroville, CA 95965
T: 530.552.3865 | F: 530.538.5339

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-----Original Message-----

From: Fritz McKinley <fritz.mckinley1@gmail.com>
Sent: Tuesday, August 12, 2025 3:13 PM
To: McSpadden, Elaine <EMcspadden@buttecounty.net>
Subject: Re: E Coli Little Chico Creek

.ATTENTION: This message originated from outside Butte County. Please exercise judgment before opening attachments, clicking on links, or replying..

Thank you for your response. I'm referring to the water that is directly pumped out of the creek that is used for

watering all of the grass areas, including picnic, baseball/softball and open space areas with overspray on the playground equipment. Thank you!

Sent from my iPhone

> On Aug 12, 2025, at 12:47 PM, McSpadden, Elaine <EMcspadden@buttecounty.net> wrote:

>

> Good afternoon,

>

> I need a bit more information from you to fully respond. Are you saying that there is irrigation water pulled out of the creek for watering the park that is getting on the playground? Or are you referring to normal park irrigation (sprinklers, etc.) that is from city water?

>

> Please feel free to give me a call to discuss.

>

> Thank you,

>

> Elaine McSpadden, MS, REHS

> Environmental Health Division Director BUTTE COUNTY PUBLIC HEALTH

> 202 Mira Loma Drive | Oroville, CA 95965

> T: 530.552.3865 | F: 530.538.5339

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>

> -----Original Message-----

> From: BCEnvHealth <BCEnvHealth@buttecounty.net>

> Sent: Tuesday, August 12, 2025 12:31 PM

> To: McSpadden, Elaine <EMcspadden@buttecounty.net>

> Subject: FW: E Coli Little Chico Creek

>

>

>

> Sincerely,

> Edward Philippi

> BUTTE COUNTY PUBLIC HEALTH

> 202 Mira Loma Drive | Oroville, CA 95965

> T: 530.552.3819 | F: 530.538.5339

>

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>
> -----Original Message-----
> From: Fritz Mckinley <fritz.mckinley1@gmail.com>
> Sent: Monday, August 11, 2025 4:50 PM
> To: BCEnvHealth <bcenvhealth@buttecounty.net>
> Subject: E Coli Little Chico Creek
>
> .ATTENTION: This message originated from outside Butte County. Please exercise judgment before opening attachments, clicking on links, or replying..
>
> I see the signage that recommends not swimming in Little Chico Creek because the possibility of being infected by E Coli. I see that the watering from Little Chico Creek and subsequent overspray on the playgrounds leaving standing water on the fields and on the play areas at Hooker Oak Park. Is this a concern for Public Health.
> Sent from my iPhone

Beaudoin, Jarett

From: Beaudoin, Jarett
Sent: Tuesday, August 12, 2025 2:21 PM
To: Mattioli, Mia Catharine (CDC/NCEZID/DFWED/WDPB); Wais, Ashley
Subject: Re: CDC Environmental Testing Results Associated with STEC O157 cases exposed to natural recreational water in Butte County, CA

Wonderful. Thank you Mia. We'll reach out to Rebecca and let you know what happens!

-Jarett

From: Mattioli, Mia Catharine (CDC/NCEZID/DFWED/WDPB) <kuk9@cdc.gov>
Sent: Monday, August 11, 2025 2:51 PM
To: Wais, Ashley <AWais@buttecounty.net>; Beaudoin, Jarett <JBeaudoin@buttecounty.net>
Subject: RE: CDC Environmental Testing Results Associated with STEC O157 cases exposed to natural recreational water in Butte County, CA

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Wonderful! I'm so glad you spoke with John. He's a good friend of mine and a wonderful resource for this work, as well as familiar with Lake Wildwood for context.

I also wanted to share that I heard back from my contact, and they recommended you all reach out to Rebecca Fitzgerald at the CA Water Board who is the head of their surface water program (rebecca@waterboards.ca.gov).

Hope your meeting goes well tomorrow and don't hesitate to reach out!

Mia

Mia Catharine Mattioli
Environmental Engineer
Centers for Disease Control and Prevention (CDC)
Department of Health and Human Services (HHS)
Office: (404) 718-5643

From: Wais, Ashley <AWais@buttecounty.net>
Sent: Monday, August 11, 2025 5:26 PM
To: Mattioli, Mia Catharine (CDC/NCEZID/DFWED/WDPB) <kuk9@cdc.gov>
Subject: RE: CDC Environmental Testing Results Associated with STEC O157 cases exposed to natural recreational water in Butte County, CA

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Hi Mia,

Thank you so much for all of your support and guidance . Your insight has been greatly appreciated and truly valued throughout this response. Dr. Beaudoin and I spoke with Dr. Griffith a few weeks ago, and he does seem like he would be an excellent resource as we move forward with the source investigation.

Thank you again!

Ashley Wais, MPH, CIC®

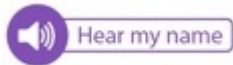
Epidemiologist

[BUTTE COUNTY PUBLIC HEALTH](#)

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From: Mattioli, Mia Catharine (CDC/NCEZID/DFWED/WDPB) <kuk9@cdc.gov>

Sent: Monday, August 11, 2025 2:06 PM

To: McKeel, Haley (CDC/NCEZID/DFWED/EDLB) <hvw0@cdc.gov>; Lamba, Katherine@CDPH <Katherine.Lamba@cdph.ca.gov>; Miko, Shanna (CDC/NCEZID/DFWED/WDPB) <rhu6@cdc.gov>; Kahler, Amy (CDC/NCEZID/DFWED/WDPB) <ete1@cdc.gov>; Bond, Christian R@CDPH <Christian.Bond@cdph.ca.gov>; Parker, Thomas <TParker@buttecounty.net>; Beaudoin, Jarett <JBeaudoin@buttecounty.net>; Wais, Ashley <AWais@buttecounty.net>

Cc: Roundtree, Alexis V. (CDC/NCEZID/DFWED/WDPB) (CTR) <hzi5@cdc.gov>; Kunz, Jasen M. (CDC/NCEZID/DFWED/WDPB) <izk0@cdc.gov>; Strockbine, Nancy (CDC/NCEZID/DFWED/EDLB) <nas6@cdc.gov>; PulseNet (CDC) <pulsenet@cdc.gov>; Stainken, Cameron (CDC cdph.ca.gov) <cameron.stainken@cdph.ca.gov>; MacGurn, Amanda (CDC/NCEZID/DFWED/WDPB) <wmh9@cdc.gov>

Subject: CDC Environmental Testing Results Associated with STEC O157 cases exposed to natural recreational water in Butte County, CA

Hi All,

Thank you for the great discussion today regarding the results from the environmental investigation associated with the *E. coli* O157:H7 rec water associated outbreak in Butte County, CA. Please see the attached report of the results.

Briefly, *E. coli* O157:H7 was cultured from the large-volume (DEUF) water and sediment samples collected from Sycamore Pool, Chico Creek Nature Center, and Five Mile Recreational Area. The *E. coli* O157:H7 environmental isolates were whole genome sequenced and genetically confirmed as Shiga toxin-producing *E. coli*, serotype O157:H7, positive for the *stx2a*, *stx2c*, *eae*, and *ehxA* genes. All isolates are closely related to the outbreak clinical isolates belonging to PulseNet cluster code [REDACTED] (i.e., within 0-2 alleles of each other by core genome multilocus sequence typing). Generic *E. coli* levels ranged from 6.3 to 137.4 most probable number (MPN) per 100 ml in water samples where cases were exposed and *E. coli* O157:H7 was detected (Sycamore Pool, CCNC, 5 Mile Rec Area).

The avian fecal marker was detected in all DEUF water and sediment samples. However, the goose-specific DNA marker was only detected from water and sediment at Horseshoe Lake where geese are reported to frequent. The ruminant fecal

marker was detected in water from Sycamore Pool, CCNC, and Five Mile Rec Area, as well as from sediment at Five Mile Rec Area. However, the cow-specific fecal marker was not detected in any samples evaluated. Finally, the human fecal marker was also detected in water from Sycamore Pool, CCNC, and Five Mile Rec Area. As the water samples were collected starting downstream and moving upstream, these results suggest ongoing contamination flowing in the creek at the time of collection.

Per our discussion today, I've also attached the GA Dept of Natural Resource sign that was developed following a fatal *E. coli* O157:H7 case associated with an untreated recreational venue. I've also included a document that provides a summary of signages used by jurisdictions across the US for your reference. As for the Water Quality Control Boards, my contact is left, but I'm still going to reach out to see who they would recommend. From their website, looks like the surface water monitoring program information for the region is provided [here](#), and facilitated through a wonderful group out of southern CA, the Southern California Coastal Water Research Project (SCCWRP). [John Griffith with SCCWRP](#) consulted on the Lake Wildwood follow-up work as well (they planned a monitoring research study, but the county decided not to support it moving forward).

Please let us know if you need any further support, and as mentioned, we'd be happy to review any communications materials if helpful.

Thanks again,

Mia

Mia Catharine Mattioli
Environmental Engineer
Centers for Disease Control and Prevention (CDC)
Department of Health and Human Services (HHS)
Office: (404) 718-5643

From: McKeel, Haley (CDC/NCEZID/DFWED/EDLB) <hvw0@cdc.gov>
Sent: Monday, August 11, 2025 1:23 PM
To: Lamba, Katherine@CDPH <Katherine.Lamba@cdph.ca.gov>; Miko, Shanna (CDC/NCEZID/DFWED/WDPB) <rhu6@cdc.gov>; Kahler, Amy (CDC/NCEZID/DFWED/WDPB) <ete1@cdc.gov>; Bond, Christian R@CDPH <Christian.Bond@cdph.ca.gov>; Mattioli, Mia Catharine (CDC/NCEZID/DFWED/WDPB) <kuk9@cdc.gov>; Parker, Thomas <TParker@buttecounty.net>; Beaudoin, Jarett <jbeaudoin@buttecounty.net>
Cc: Roundtree, Alexis V. (CDC/NCEZID/DFWED/WDPB) (CTR) <hzi5@cdc.gov>; Kunz, Jasen M. (CDC/NCEZID/DFWED/WDPB) <izk0@cdc.gov>; Strockbine, Nancy (CDC/NCEZID/DFWED/EDLB) <nas6@cdc.gov>; PulseNet (CDC) <pulsenet@cdc.gov>; Stainken, Cameron (CDC cdph.ca.gov) <cameron.stainken@cdph.ca.gov>; MacGurn, Amanda (CDC/NCEZID/DFWED/WDPB) <wmh9@cdc.gov>
Subject: RE: Consultation re: STEC O157 cases exposed to natural recreational water in Butte County, CA

Hi all,

I wanted to provide an update that the environmental isolates recovered from both water and sediment samples at each Sycamore Pool (including sediment collected 7/17), CCNC, and 5 Mile locations have now been confirmed as Shiga toxin-producing *Escherichia coli* O157:H7 and are positive for *stx2* genes.

An update from our PulseNet colleagues is the clinical isolates and these environmental isolates are related by WGS within 0-2 allele differences.

As previously mentioned, *E. coli* O157 was not isolated from any of the goose scat samples sent to CDC.

Sincerely,
Haley



Haley McKeel
Microbiologist

Centers for Disease Control and Prevention (CDC)
Department of Health and Human Services (HHS)
404-639-1612 (office)

From: Lamba, Katherine@CDPH <Katherine.Lamba@cdph.ca.gov>

Sent: Thursday, July 31, 2025 7:53 PM

To: McKeel, Haley (CDC/NCEZID/DFWED/EDLB) <hvw0@cdc.gov>; Miko, Shanna (CDC/NCEZID/DFWED/WDPB) <rhu6@cdc.gov>; Kahler, Amy (CDC/NCEZID/DFWED/WDPB) <ete1@cdc.gov>; Bond, Christian R@CDPH <Christian.Bond@cdph.ca.gov>; Mattioli, Mia Catharine (CDC/NCEZID/DFWED/WDPB) <kuk9@cdc.gov>; Parker, Thomas <TParker@buttecounty.net>; Beaudoin, Jarett <jbeaudoin@buttecounty.net>

Cc: Roundtree, Alexis V. (CDC/NCEZID/DFWED/WDPB) (CTR) <hzi5@cdc.gov>; Kunz, Jasen M. (CDC/NCEZID/DFWED/WDPB) <izk0@cdc.gov>; Strockbine, Nancy (CDC/NCEZID/DFWED/EDLB) <nas6@cdc.gov>; PulseNet (CDC) <pulsenet@cdc.gov>; Stainken, Cameron (CDC cdph.ca.gov) <cameron.stainken@cdph.ca.gov>; MacGurn, Amanda (CDC/NCEZID/DFWED/WDPB) <wmh9@cdc.gov>

Subject: RE: Consultation re: STEC O157 cases exposed to natural recreational water in Butte County, CA

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Hi all,

[Redacted]

[Redacted]	[Redacted]	[Redacted]	[Redacted]	[Redacted]	[Redacted]	[Redacted]	[Redacted]
[Redacted]	[Redacted]	[Redacted]	[Redacted]	[Redacted]	[Redacted]	[Redacted]	[Redacted]
[Redacted]	[Redacted]	[Redacted]	[Redacted]	[Redacted]	[Redacted]	[Redacted]	[Redacted]
[Redacted]	[Redacted]	[Redacted]	[Redacted]	[Redacted]	[Redacted]	[Redacted]	[Redacted]
[Redacted]	[Redacted]	[Redacted]	[Redacted]	[Redacted]	[Redacted]	[Redacted]	[Redacted]
[Redacted]	[Redacted]	[Redacted]	[Redacted]	[Redacted]	[Redacted]	[Redacted]	[Redacted]
[Redacted]	[Redacted]	[Redacted]	[Redacted]	[Redacted]	[Redacted]	[Redacted]	[Redacted]

Kat

Katherine Lamba, MPH (she/her)
California Department of Public Health
Phone: 510-620-3429 | Email: Katherine.Lamba@cdph.ca.gov

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From: McKeel, Haley (CDC/NCEZID/DFWED/EDLB) <hvw0@cdc.gov>
Sent: Wednesday, July 30, 2025 6:40 AM
To: Miko, Shanna (CDC/NCEZID/DFWED/WDPB) <rhu6@cdc.gov>; Lamba, Katherine@CDPH <Katherine.Lamba@cdph.ca.gov>; Kahler, Amy (CDC/NCEZID/DFWED/WDPB) <ete1@cdc.gov>; Bond, Christian R@CDPH <Christian.Bond@cdph.ca.gov>; Hummadi, Omar@CDPH <Omar.Hummadi@cdph.ca.gov>; Kiang, David@CDPH <David.Kiang@cdph.ca.gov>; Mattioli, Mia Catharine (CDC/NCEZID/DFWED/WDPB) <kuk9@cdc.gov>; Parker, Thomas <TParker@buttecounty.net>; Beaudoin, Jarett <jbeaudoin@buttecounty.net>
Cc: Roundtree, Alexis V. (CDC/NCEZID/DFWED/WDPB) (CTR) <hzi5@cdc.gov>; Kunz, Jasen M. (CDC/NCEZID/DFWED/WDPB) <izk0@cdc.gov>; Strockbine, Nancy (CDC/NCEZID/DFWED/EDLB) <nas6@cdc.gov>; PulseNet (CDC) <pulsenet@cdc.gov>; Stainken, Cameron@CDPH <Cameron.Stainken@cdph.ca.gov>; MacGurn, Amanda (CDC/NCEZID/DFWED/WDPB) <wmh9@cdc.gov>
Subject: RE: Consultation re: STEC O157 cases exposed to natural recreational water in Butte County, CA

Also adding @PulseNet (CDC) back to the thread for awareness. And good news - I did see all four clinical isolates on NCBI this morning. We'll be on the lookout for the shipment of goose scat samples today.

Many thanks,
Haley



Haley McKeel
Microbiologist

Centers for Disease Control and Prevention (CDC)
Department of Health and Human Services (HHS)
404-639-1612 (office)

From: Miko, Shanna (CDC/NCEZID/DFWED/WDPB) <rhu6@cdc.gov>
Sent: Wednesday, July 30, 2025 9:33 AM
To: Katherine.Lamba@cdph.ca.gov; Kahler, Amy (CDC/NCEZID/DFWED/WDPB) <ete1@cdc.gov>; McKeel, Haley (CDC/NCEZID/DFWED/EDLB) <hvw0@cdc.gov>; Christian.Bond@cdph.ca.gov; Omar.Hummadi@cdph.ca.gov; David.Kiang@cdph.ca.gov; Mattioli, Mia Catharine (CDC/NCEZID/DFWED/WDPB) <kuk9@cdc.gov>; Parker, Thomas <TParker@buttecounty.net>; Beaudoin, Jarett <jbeaudoin@buttecounty.net>; Miko, Shanna (CDC/NCEZID/DFWED/WDPB) <rhu6@cdc.gov>
Cc: Roundtree, Alexis V. (CDC/NCEZID/DFWED/WDPB) (CTR) <hzi5@cdc.gov>; Kunz, Jasen M. (CDC/NCEZID/DFWED/WDPB) <izk0@cdc.gov>; Strockbine, Nancy (CDC/NCEZID/DFWED/EDLB) <nas6@cdc.gov>; Stainken, Cameron (CDC cdph.ca.gov) <cameron.stainken@cdph.ca.gov>; MacGurn, Amanda (CDC/NCEZID/DFWED/WDPB) <wmh9@cdc.gov>
Subject: RE: Consultation re: STEC O157 cases exposed to natural recreational water in Butte County, CA

Adding @Miko, Shanna (CDC/NCEZID/DFWED/WDPB) back to thread for outbreak coordination POC, I think I fell off when on leave.

From: Kunz, Jasen M. (CDC/NCEZID/DFWED/WDPB) <izk0@cdc.gov>
Sent: Tuesday, July 29, 2025 4:32 PM
To: Miko, Shanna (CDC/NCEZID/DFWED/WDPB) <rhu6@cdc.gov>
Subject: Fw: Consultation re: STEC O157 cases exposed to natural recreational water in Butte County, CA

Looks like your name was left off.

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From: Wais, Ashley <AWais@buttecounty.net>
Sent: Tuesday, July 29, 2025 3:32:05 PM
To:
Cc:
Subject: RE: Consultation re: STEC O157 cases exposed to natural recreational water in Butte County, CA

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Thank you Amy and CDC team for this update. We greatly appreciate the quick response! The goose scat samples should arrive at CDC tomorrow.

Thank you again,

Ashley Wais, MPH, CIC®

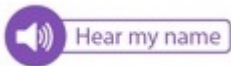
Epidemiologist

[BUTTE COUNTY PUBLIC HEALTH](#)

[202 Mira Loma Drive | Oroville, CA 95965](#)

T: [530-552-3950](tel:530-552-3950) | M: [530-300-4166](tel:530-300-4166)

<https://www.buttecounty.net/610/Public-Health>



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From: Lamba, Katherine@CDPH <Katherine.Lamba@cdph.ca.gov>
Sent: Tuesday, July 29, 2025 12:27 PM
To: Kahler, Amy (CDC/NCEZID/DFWED/WDPB) <ete1@cdc.gov>; McKeel, Haley (CDC/NCEZID/DFWED/EDLB) <hvw0@cdc.gov>; Wais, Ashley <AWais@buttecounty.net>; Bond, Christian R@CDPH <Christian.Bond@cdph.ca.gov>; Hummadi, Omar@CDPH <Omar.Hummadi@cdph.ca.gov>; Kiang, David@CDPH <David.Kiang@cdph.ca.gov>; Mattioli, Mia Catharine (CDC/NCEZID/DFWED/WDPB) <kuk9@cdc.gov>; Parker, Thomas <TParker@buttecounty.net>
Cc: Roundtree, Alexis V. (CDC/NCEZID/DFWED/WDPB) (CTR) <hzi5@cdc.gov>; Kunz, Jasen M. (CDC/NCEZID/DFWED/WDPB) <izk0@cdc.gov>; Strockbine, Nancy (CDC/NCEZID/DFWED/EDLB) <nas6@cdc.gov>; Stainken, Cameron@CDPH <Cameron.Stainken@cdph.ca.gov>
Subject: RE: Consultation re: STEC O157 cases exposed to natural recreational water in Butte County, CA

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Wow- BIG thank you to the CDC team for the support and the quick laboratory testing!

Quick update on CDPH end- the first 4 isolates sequenced have been given PulseNet cluster code [REDACTED] (no other isolates included in that cluster). Only 1 of the isolates ([REDACTED]) has shown up in NCBI so far and I've been in communication with PulseNet and our lab to sort out some submission/NCBI upload issues.

Kat

Katherine Lamba, MPH (she/her)
California Department of Public Health
Phone: 510-620-3429 | Email: Katherine.Lamba@cdph.ca.gov

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From: Kahler, Amy (CDC/NCEZID/DFWED/WDPB) <ete1@cdc.gov>
Sent: Tuesday, July 29, 2025 12:16 PM
To: McKeel, Haley (CDC/NCEZID/DFWED/EDLB) <hvw0@cdc.gov>; Wais, Ashley <AWais@buttecounty.net>; Bond, Christian R@CDPH <Christian.Bond@cdph.ca.gov>; Hummadi, Omar@CDPH <Omar.Hummadi@cdph.ca.gov>; Kiang, David@CDPH <David.Kiang@cdph.ca.gov>; Mattioli, Mia Catharine (CDC/NCEZID/DFWED/WDPB) <kuk9@cdc.gov>; Lamba, Katherine@CDPH <Katherine.Lamba@cdph.ca.gov>; Parker, Thomas <TParker@buttecounty.net>
Cc: Roundtree, Alexis V. (CDC/NCEZID/DFWED/WDPB) (CTR) <hzi5@cdc.gov>; Kunz, Jasen M. (CDC/NCEZID/DFWED/WDPB) <izk0@cdc.gov>; Strockbine, Nancy (CDC/NCEZID/DFWED/EDLB) <nas6@cdc.gov>; Stainken, Cameron@CDPH <Cameron.Stainken@cdph.ca.gov>
Subject: RE: Consultation re: STEC O157 cases exposed to natural recreational water in Butte County, CA

Hi all,

We wanted to provide a few updates on the progress of environmental testing at CDC. Samples arrived in great condition on Friday and we started processing ASAP. We have detected presumptive-positive O157 isolates that are stx1-negative and stx2-positive from the following sites/samples:

- Sycamore pool water and sediment collected 7/24. There are signs that the sediment collected on 7/17 may also be positive, but our work on those isolates is still pending.
- CCNC water and sediment samples.
- 5 Mile water and sediment samples.

No O157 was detected from the Horeshoe Lake and Alligator Hole sites. We have handed off the presumptive-positive isolates to the Enteric Disease Laboratory Branch for complete workup and confirmation of these preliminary results. We'll also be conducting microbial source tracking PCR for human, ruminant, and bird markers and will follow up with those results as soon as we have them.

Thanks all,
Amy

From: McKeel, Haley (CDC/NCEZID/DFWED/EDLB) <hvw0@cdc.gov>
Sent: Friday, July 25, 2025 9:47 PM
To: Wais, Ashley <AWais@buttecounty.net>; 'Bond, Christian R@CDPH' <Christian.Bond@cdph.ca.gov>; Hummadi, Omar@CDPH <Omar.Hummadi@cdph.ca.gov>; Kiang, David@CDPH <David.Kiang@cdph.ca.gov>; Mattioli, Mia Catharine (CDC/NCEZID/DFWED/WDPB) <kuk9@cdc.gov>; Lamba, Katherine@CDPH <Katherine.Lamba@cdph.ca.gov>; Parker, Thomas <TParker@buttecounty.net>
Cc: Kahler, Amy (CDC/NCEZID/DFWED/WDPB) <ete1@cdc.gov>; Roundtree, Alexis V. (CDC/NCEZID/DFWED/WDPB)

(CTR) <hzi5@cdc.gov>; Kunz, Jasen M. (CDC/NCEZID/DFWED/WDPB) <izk0@cdc.gov>; Strockbine, Nancy (CDC/NCEZID/DFWED/EDLB) <nas6@cdc.gov>; Stainken, Cameron (CDC cdph.ca.gov) <cameron.stainken@cdph.ca.gov>

Subject: RE: Consultation re: STEC O157 cases exposed to natural recreational water in Butte County, CA

Hi Ashley,

Thank you for the update and apologies for the delay in responding as I was out of the office today. The Enteric Diseases Laboratory Branch at CDC has capacity to test the geese scat samples; although, the total number may depend on available resources.

The specimens can be shipped to CDC under test order [CDC-10106 | Enteric Isolation - Primary Specimen - Non-CLIA](#) at the following address:

Attn: Haley McKeel
Centers for Disease Control and Prevention
RDSB/STAT Unit 129
1600 Clifton Road, NE
Atlanta, GA 30329
404-639-1612

As a note, all samples must be shipped in accordance with all applicable local, state, and federal regulations. Please ship for next day arrival and include ice packs in the shipment to keep the specimens cool during transit. The CDC website has some additional information regarding packing and shipping specimens: [CDC Fact Sheet](#).

I've attached a copy of our global file accessioning template that will need to be returned by email ahead of the shipment's arrival at CDC. I've prepopulated several of the fields as well as hidden many of the columns to hopefully make it easier to complete. Please populate any relevant columns (including a unique specimen ID (Column BE) for each sample collected) on the Animal tab as well as the Submitter tab with the Butte County information. Any information about the collection sites that are unique between samples would be helpful to note either in the Comments field (column FC) or in the orange Field Collection section.

Please let me know if you have any questions. I'll be back in the office on Tuesday but will be monitoring emails periodically until then as well.

Sincerely,
Haley



Haley McKeel
Microbiologist
Centers for Disease Control and Prevention (CDC)
Department of Health and Human Services (HHS)
404-639-1612 (office)

From: Wais, Ashley <AWais@buttecounty.net>

Sent: Friday, July 25, 2025 2:31 PM

To: 'Bond, Christian R@CDPH' <Christian.Bond@cdph.ca.gov>; Hummadi, Omar@CDPH <Omar.Hummadi@cdph.ca.gov>; Kiang, David@CDPH <David.Kiang@cdph.ca.gov>; Mattioli, Mia Catharine

(CDC/NCEZID/DFWED/WDPB) <kuk9@cdc.gov>; Lamba, Katherine@CDPH <Katherine.Lamba@cdph.ca.gov>; Parker, Thomas <TParker@buttecounty.net>; McKeel, Haley (CDC/NCEZID/DFWED/EDLB) <hvw0@cdc.gov>
Cc: Kahler, Amy (CDC/NCEZID/DFWED/WDPB) <ete1@cdc.gov>; Roundtree, Alexis V. (CDC/NCEZID/DFWED/WDPB) (CTR) <hzi5@cdc.gov>; Kunz, Jasen M. (CDC/NCEZID/DFWED/WDPB) <izk0@cdc.gov>; Stainken, Cameron (CDC cdph.ca.gov) <cameron.stainken@cdph.ca.gov>
Subject: RE: Consultation re: STEC O157 cases exposed to natural recreational water in Butte County, CA

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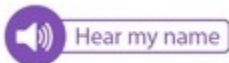
Hi all-

I spoke with Christian over the phone to discuss the goose scat sample testing. During our discussion, it was decided that it would be best to send the samples over to the CDC lab due to staffing issues at the CDPH lab. I also spoke with Mia and it seems like the CDC lab does have capacity to test those samples. We collected a total of 9 goose scat samples in Cary Blair Transport Medium.

CDC: Please share what location these samples should be shipped to and any other pertinent details (I am assuming these should be shipped with ice packs?). We were not planning on shipping until Monday.

Thank you all for your support with this endeavor. It is greatly appreciated.

Kindly,
Ashley Wais, MPH, CIC®
Epidemiologist
[BUTTE COUNTY PUBLIC HEALTH](https://www.buttecounty.net/610/Public-Health)
[202 Mira Loma Drive | Oroville, CA 95965](https://www.buttecounty.net/610/Public-Health)
T: [530-552-3950](tel:530-552-3950) | M: [530-300-4166](tel:530-300-4166)
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From: Bond, Christian R@CDPH <Christian.Bond@cdph.ca.gov>
Sent: Friday, July 25, 2025 10:57 AM
To: Wais, Ashley <AWais@buttecounty.net>; Hummadi, Omar@CDPH <Omar.Hummadi@cdph.ca.gov>; Kiang, David@CDPH <David.Kiang@cdph.ca.gov>; Mattioli, Mia Catharine (CDC/NCEZID/DFWED/WDPB) <kuk9@cdc.gov>; Lamba, Katherine@CDPH <Katherine.Lamba@cdph.ca.gov>; Parker, Thomas <TParker@buttecounty.net>; McKeel, Haley (CDC/NCEZID/DFWED/EDLB) <hvw0@cdc.gov>
Cc: Kahler, Amy (CDC/NCEZID/DFWED/WDPB) <ete1@cdc.gov>; Roundtree, Alexis V. (CDC/NCEZID/DFWED/WDPB) (CTR) <hzi5@cdc.gov>; Kunz, Jasen M. (CDC/NCEZID/DFWED/WDPB) <izk0@cdc.gov>; Stainken, Cameron@CDPH <Cameron.Stainken@cdph.ca.gov>
Subject: RE: Consultation re: STEC O157 cases exposed to natural recreational water in Butte County, CA

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Hi Ashley,

My team is extremely short-staffed next week due to other assignments, and we will not have personnel to receive samples on either Tuesday or Wednesday. Would it be possible to send a team member to handoff the samples to my team at a midpoint on Monday morning? Maybe somewhere in Yuba City or Marysville?

Christian Bond
Chief, Emergency Response Unit
California Department of Public Health
(916) 612-3625

Confidential - Low

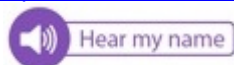
From: Wais, Ashley <AWais@buttecounty.net>
Sent: Friday, July 25, 2025 10:48 AM
To: Hummadi, Omar@CDPH <Omar.Hummadi@cdph.ca.gov>; Kiang, David@CDPH <David.Kiang@cdph.ca.gov>; Mattioli, Mia Catharine (CDC/NCEZID/DFWED/WDPB) <kuk9@cdc.gov>; Lamba, Katherine@CDPH <Katherine.Lamba@cdph.ca.gov>; Parker, Thomas <TParker@buttecounty.net>; McKeel, Haley (CDC/NCEZID/DFWED/EDLB) <hvw0@cdc.gov>
Cc: Kahler, Amy (CDC/NCEZID/DFWED/WDPB) <ete1@cdc.gov>; Roundtree, Alexis V. (CDC/NCEZID/DFWED/WDPB) (CTR) <hzy5@cdc.gov>; Kunz, Jasen M. (CDC/NCEZID/DFWED/WDPB) <izk0@cdc.gov>; Stainken, Cameron@CDPH <Cameron.Stainken@cdph.ca.gov>; Bond, Christian R@CDPH <Christian.Bond@cdph.ca.gov>
Subject: Re: Consultation re: STEC O157 cases exposed to natural recreational water in Butte County, CA

You don't often get email from awais@buttecounty.net. [Learn why this is important](#)

Hi Omar,
Thank you for the update. We do not plan to ship until Monday. I will let our lab know we are waiting for more details from CDPH regarding shipping method.

Thank you,

Ashley Wais, MPH, CIC®
Epidemiologist
[BUTTE COUNTY PUBLIC HEALTH](#)
[202 Mira Loma Drive | Oroville, CA 95965](#)
T: [530-552-3950](tel:530-552-3950) | M: [530-300-4166](tel:530-300-4166)
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From: Hummadi, Omar@CDPH <Omar.Hummadi@cdph.ca.gov>

Sent: Friday, July 25, 2025 10:26 AM

To: Wais, Ashley <AWais@buttecounty.net>; Kiang, David@CDPH <David.Kiang@cdph.ca.gov>; Mattioli, Mia Catharine (CDC/NCEZID/DFWED/WDPB) <kuk9@cdc.gov>; Lamba, Katherine@CDPH <Katherine.Lamba@cdph.ca.gov>; Parker, Thomas <TParker@buttecounty.net>; McKeel, Haley (CDC/NCEZID/DFWED/EDLB) <hvw0@cdc.gov>

Cc: Kahler, Amy (CDC/NCEZID/DFWED/WDPB) <ete1@cdc.gov>; Roundtree, Alexis V. (CDC/NCEZID/DFWED/WDPB) (CTR) <hzi5@cdc.gov>; Kunz, Jasen M. (CDC/NCEZID/DFWED/WDPB) <izk0@cdc.gov>; Stainken, Cameron@CDPH <Cameron.Stainken@cdph.ca.gov>; Bond, Christian R@CDPH <Christian.Bond@cdph.ca.gov>

Subject: RE: Consultation re: STEC O157 cases exposed to natural recreational water in Butte County, CA

ATTENTION: This message originated from outside **Butte County**. Please exercise judgment before opening attachments, clicking on links, or replying.

Hi Ashley,

You are welcome! Please hold off on shipping the samples until I get a confirmation from Christian bond regarding the sample's delivery method.

Yes, ship the samples with ice packs and Butte County PHL chain of custody forms it's perfectly fine 👍

Regards,

Omar Hummadi
Senior Environmental Scientist Specialist
CDPH - FDB - ERU

Confidential - Low

From: Wais, Ashley <AWais@buttecounty.net>

Sent: Friday, July 25, 2025 10:05 AM

To: Hummadi, Omar@CDPH <Omar.Hummadi@cdph.ca.gov>; Kiang, David@CDPH <David.Kiang@cdph.ca.gov>; Mattioli, Mia Catharine (CDC/NCEZID/DFWED/WDPB) <kuk9@cdc.gov>; Lamba, Katherine@CDPH <Katherine.Lamba@cdph.ca.gov>; Parker, Thomas <TParker@buttecounty.net>; McKeel, Haley (CDC/NCEZID/DFWED/EDLB) <hvw0@cdc.gov>

Cc: Kahler, Amy (CDC/NCEZID/DFWED/WDPB) <ete1@cdc.gov>; Roundtree, Alexis V. (CDC/NCEZID/DFWED/WDPB) (CTR) <hzi5@cdc.gov>; Kunz, Jasen M. (CDC/NCEZID/DFWED/WDPB) <izk0@cdc.gov>; Stainken, Cameron@CDPH <Cameron.Stainken@cdph.ca.gov>; Bond, Christian R@CDPH <Christian.Bond@cdph.ca.gov>

Subject: RE: Consultation re: STEC O157 cases exposed to natural recreational water in Butte County, CA

Hi Omar,

Thank you for the update. Should the shipment be on ice packs? Is there any other details we should be aware of? Butte County PHL has their own chain of custody forms. Is it ok to use those?

Thank you,

Ashley Wais, MPH, CIC®

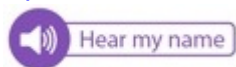
Epidemiologist

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From: Hummadi, Omar@CDPH <Omar.Hummadi@cdph.ca.gov>

Sent: Friday, July 25, 2025 7:27 AM

To: Wais, Ashley <AWais@buttecounty.net>; Kiang, David@CDPH <David.Kiang@cdph.ca.gov>; Mattioli, Mia Catharine (CDC/NCEZID/DFWED/WDPB) <kuk9@cdc.gov>; Lamba, Katherine@CDPH <Katherine.Lamba@cdph.ca.gov>; Parker, Thomas <TParker@buttecounty.net>; McKeel, Haley (CDC/NCEZID/DFWED/EDLB) <hvw0@cdc.gov>

Cc: Kahler, Amy (CDC/NCEZID/DFWED/WDPB) <ete1@cdc.gov>; Roundtree, Alexis V. (CDC/NCEZID/DFWED/WDPB) (CTR) <hj5@cdc.gov>; Kunz, Jasen M. (CDC/NCEZID/DFWED/WDPB) <izk0@cdc.gov>; Stainken, Cameron@CDPH <Cameron.Stainken@cdph.ca.gov>; Bond, Christian R@CDPH <Christian.Bond@cdph.ca.gov>

Subject: RE: Consultation re: STEC O157 cases exposed to natural recreational water in Butte County, CA

ATTENTION: This message originated from outside **Butte County**. Please exercise judgment before opening attachments, clicking on links, or replying.

Good morning, everyone!

Ashley - Ship the samples to Christian Bond at:

California Department of Public Health
Food and Drug Branch
1500 Capitol Ave MS 7602
Sacramento, CA, 95814

Note: Please make sure to include all the chain of custody forms/documents.

Happy Friday!

Regards,

Omar Hummadi
Senior Environmental Scientist
Foodborne Illness Outbreak Specialist
Desk Phone: 916-319-9661

Cell phone: 916-591-1374
Fax number: 916-636-6013
E-mail: Omar.Hummadi@cdph.ca.gov

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From: Wais, Ashley <AWais@buttecounty.net>
Sent: Friday, July 25, 2025 7:04 AM
To: Kiang, David@CDPH <David.Kiang@cdph.ca.gov>; Mattioli, Mia Catharine (CDC/NCEZID/DFWED/WDPB) <kuk9@cdc.gov>; Lamba, Katherine@CDPH <Katherine.Lamba@cdph.ca.gov>; Parker, Thomas <TParker@buttecounty.net>; McKeel, Haley (CDC/NCEZID/DFWED/EDLB) <hvw0@cdc.gov>; Hummadi, Omar@CDPH <Omar.Hummadi@cdph.ca.gov>
Cc: Kahler, Amy (CDC/NCEZID/DFWED/WDPB) <ete1@cdc.gov>; Roundtree, Alexis V. (CDC/NCEZID/DFWED/WDPB) (CTR) <hzi5@cdc.gov>; Kunz, Jasen M. (CDC/NCEZID/DFWED/WDPB) <izk0@cdc.gov>; Stainken, Cameron@CDPH <Cameron.Stainken@cdph.ca.gov>; Bond, Christian R@CDPH <Christian.Bond@cdph.ca.gov>
Subject: Re: Consultation re: STEC O157 cases exposed to natural recreational water in Butte County, CA

Hi Dr. Kiang,

Thank you for this update. We collected goose scat in the tubes with Cary Blair. We should have no more than 10 samples. What is the process for sending to CDPH? Do you usually receive shipments from our Butte County PHL. I just wanted to check in case there is already a process in place we can use.

Thank you,

Ashley Wais, MPH, CIC®

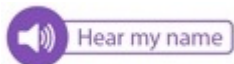
Epidemiologist

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From: Kiang, David@CDPH <David.Kiang@cdph.ca.gov>
Sent: Thursday, July 24, 2025 5:40 PM
To: Mattioli, Mia Catharine (CDC/NCEZID/DFWED/WDPB) <kuk9@cdc.gov>; Lamba, Katherine@CDPH <Katherine.Lamba@cdph.ca.gov>; Wais, Ashley <AWais@buttecounty.net>; Parker, Thomas

<TParker@buttecounty.net>; McKeel, Haley (CDC/NCEZID/DFWED/EDLB) <hvw0@cdc.gov>; Hummadi, Omar@CDPH <Omar.Hummadi@cdph.ca.gov>

Cc: Kahler, Amy (CDC/NCEZID/DFWED/WDPB) <ete1@cdc.gov>; Roundtree, Alexis V. (CDC/NCEZID/DFWED/WDPB) (CTR) <hzi5@cdc.gov>; Kunz, Jasen M. (CDC/NCEZID/DFWED/WDPB) <izk0@cdc.gov>; Stainken, Cameron@CDPH <Cameron.Stainken@cdph.ca.gov>; Bond, Christian R@CDPH <Christian.Bond@cdph.ca.gov>; Kiang, David@CDPH <David.Kiang@cdph.ca.gov>

Subject: RE: Consultation re: STEC O157 cases exposed to natural recreational water in Butte County, CA

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Hi Mia,

If they don't have bags, the preference is to collect them as is in the 50 ml conicals. If they're already collected in Cary Blair, It's fine, we can still take them.

Thanks,
David

Confidential - Low

From: Mattioli, Mia Catharine (CDC/NCEZID/DFWED/WDPB) <kuk9@cdc.gov>

Sent: Thursday, July 24, 2025 12:35 PM

To: Kiang, David@CDPH <David.Kiang@cdph.ca.gov>; Lamba, Katherine@CDPH <Katherine.Lamba@cdph.ca.gov>; Wais, Ashley <AWais@buttecounty.net>; Parker, Thomas <TParker@buttecounty.net>; McKeel, Haley (CDC/NCEZID/DFWED/EDLB) <hvw0@cdc.gov>; Hummadi, Omar@CDPH <Omar.Hummadi@cdph.ca.gov>

Cc: Kahler, Amy (CDC/NCEZID/DFWED/WDPB) <ete1@cdc.gov>; Roundtree, Alexis V. (CDC/NCEZID/DFWED/WDPB) (CTR) <hzi5@cdc.gov>; Kunz, Jasen M. (CDC/NCEZID/DFWED/WDPB) <izk0@cdc.gov>; Stainken, Cameron@CDPH <Cameron.Stainken@cdph.ca.gov>; Bond, Christian R@CDPH <Christian.Bond@cdph.ca.gov>; Kiang, David@CDPH <David.Kiang@cdph.ca.gov>

Subject: Re: Consultation re: STEC O157 cases exposed to natural recreational water in Butte County, CA

Hi David,

Thanks so much. Unfortunately, the team doesn't have the bags and snips with them in the field. Will you accept them in Cary Blair? If not, they can send the CDC enterics lab.

Thanks!

Mia

Mia Catharine Mattioli
Environmental Engineer
Centers for Disease Control and Prevention (CDC)
Department of Health and Human Services (HHS)
Office: 404-718-5643

From: Kiang, David@CDPH <David.Kiang@cdph.ca.gov>

Sent: Thursday, July 24, 2025 2:51:14 PM

To: Lamba, Katherine@CDPH <Katherine.Lamba@cdph.ca.gov>; Mattioli, Mia Catharine (CDC/NCEZID/DFWED/WDPB) <kuk9@cdc.gov>; Wais, Ashley <AWais@buttecounty.net>; Parker, Thomas <TParker@buttecounty.net>; McKeel, Haley (CDC/NCEZID/DFWED/EDLB) <hvw0@cdc.gov>; Hummadi, Omar@CDPH <Omar.Hummadi@cdph.ca.gov>

Cc: Kahler, Amy (CDC/NCEZID/DFWED/WDPB) <ete1@cdc.gov>; Roundtree, Alexis V. (CDC/NCEZID/DFWED/WDPB) (CTR) <hjz5@cdc.gov>; Kunz, Jasen M. (CDC/NCEZID/DFWED/WDPB) <izk0@cdc.gov>; Stainken, Cameron (CDC cdph.ca.gov) <cameron.stainken@cdph.ca.gov>; Bond, Christian R@CDPH <Christian.Bond@cdph.ca.gov>; Kiang, David@CDPH <David.Kiang@cdph.ca.gov>

Subject: RE: Consultation re: STEC O157 cases exposed to natural recreational water in Butte County, CA

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Hi Kat,

We'd recommend collecting the scat directly into the Whirl-Pak bags using sterile scoops or spatulas as outlined by Omar in the email below and transporting to the FDB on ice packs. We prefer not to have them transported in Cary Blair.

Thanks,
David

David Kiang, PH.D.

Microbiology Section Chief

Food and Drug Laboratory Branch

California Department of Public Health

850 Marina Bay Parkway, G365

Richmond, CA 94804

(510) 412-3963

david.kiang@cdph.ca.gov



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From: Lamba, Katherine@CDPH <Katherine.Lamba@cdph.ca.gov>

Sent: Thursday, July 24, 2025 11:38 AM

To: Mattioli, Mia Catharine (CDC/NCEZID/DFWED/WDPB) <kuk9@cdc.gov>; Wais, Ashley <AWais@buttecounty.net>; Parker, Thomas <TParker@buttecounty.net>; McKeel, Haley (CDC/NCEZID/DFWED/EDLB) <hvw0@cdc.gov>; Hummadi, Omar@CDPH <Omar.Hummadi@cdph.ca.gov>; Kiang, David@CDPH <David.Kiang@cdph.ca.gov>

Cc: Kahler, Amy (CDC/NCEZID/DFWED/WDPB) <ete1@cdc.gov>; Roundtree, Alexis V. (CDC/NCEZID/DFWED/WDPB) (CTR) <hzi5@cdc.gov>; Kunz, Jasen M. (CDC/NCEZID/DFWED/WDPB) <izk0@cdc.gov>; Stainken, Cameron@CDPH <Cameron.Stainken@cdph.ca.gov>; Bond, Christian R@CDPH <Christian.Bond@cdph.ca.gov>

Subject: RE: Consultation re: STEC O157 cases exposed to natural recreational water in Butte County, CA

Hi Mia,

We have some folks out of the office today, so including @Hummadi, Omar@CDPH and @Kiang, David (CDPH-PS-DFDRS-FDLB) from Food and Drug and Food and Drug lab directly to advise which of the containers below for goose scat testing.

Kat

Katherine Lamba, MPH (she/her)
California Department of Public Health
Phone: 510-620-3429 | Email: Katherine.Lamba@cdph.ca.gov

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From: Mattioli, Mia Catharine (CDC/NCEZID/DFWED/WDPB) <kuk9@cdc.gov>

Sent: Thursday, July 24, 2025 11:30 AM

To: Lamba, Katherine@CDPH <Katherine.Lamba@cdph.ca.gov>; Wais, Ashley <AWais@buttecounty.net>; Parker, Thomas <TParker@buttecounty.net>; McKeel, Haley (CDC/NCEZID/DFWED/EDLB) <hvw0@cdc.gov>

Cc: Kahler, Amy (CDC/NCEZID/DFWED/WDPB) <ete1@cdc.gov>; Roundtree, Alexis V. (CDC/NCEZID/DFWED/WDPB) (CTR) <hzi5@cdc.gov>; Kunz, Jasen M. (CDC/NCEZID/DFWED/WDPB) <izk0@cdc.gov>; Stainken, Cameron@CDPH <Cameron.Stainken@cdph.ca.gov>; Bond, Christian R@CDPH <Christian.Bond@cdph.ca.gov>

Subject: RE: Consultation re: STEC O157 cases exposed to natural recreational water in Butte County, CA

Hi Ashley,

Thanks so much for sending this info! Ashley is out into the field with two 50-ml falcon tubes (empty) and ten 30-ml tubes filled with 15-ml of Cary Blair since that's what the CDC enterics lab recommended.

Which would you prefer she collect samples in for the scat testing?

Thanks!

Mia

Mia Catharine Mattioli
Environmental Engineer

From: Lamba, Katherine@CDPH <Katherine.Lamba@cdph.ca.gov>

Sent: Thursday, July 24, 2025 1:09 PM

To: Wais, Ashley <AWais@buttecounty.net>; Mattioli, Mia Catharine (CDC/NCEZID/DFWED/WDPB) <kuk9@cdc.gov>; Parker, Thomas <TParker@buttecounty.net>; McKeel, Haley (CDC/NCEZID/DFWED/EDLB) <hvw0@cdc.gov>

Cc: Kahler, Amy (CDC/NCEZID/DFWED/WDPB) <ete1@cdc.gov>; Roundtree, Alexis V. (CDC/NCEZID/DFWED/WDPB) (CTR) <hzi5@cdc.gov>; Kunz, Jasen M. (CDC/NCEZID/DFWED/WDPB) <izk0@cdc.gov>; Stainken, Cameron (CDC cdph.ca.gov) <cameron.stainken@cdph.ca.gov>; Bond, Christian R@CDPH <Christian.Bond@cdph.ca.gov>

Subject: RE: Consultation re: STEC O157 cases exposed to natural recreational water in Butte County, CA

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Hi Ashley,

Apologies for the delay. Sharing a few updates after gathering some additional information from our EH and lab folks:

- Goose feces samples can be tested by the CDPH Food and Drug Laboratory Branch. At this time they have capacity to test 10-20 goose feces samples
- Supplies needed for collection:
 - Sterile disposable spatulas or scoop.
 - Sterile 24 oz or 55 oz Whirl-Pak Bags.
 - Gloves.
- Ship the samples along with sealed controls of all the collection supplies that were used, with ice packs (optional) to the below address. The samples will be shipped to the CDPH Food and Drug Branch for logging before forwarded to the laboratory.
- Shipping: Please ship the samples to Christian Bond at:
California Department of Public Health
Food and Drug Branch
1500 Capitol Ave MS 7602
Sacramento, CA, 95814

Please let me know if you have additional questions for our EH/lab team at this time.

Thanks,
Kat

Katherine Lamba, MPH (she/her)
California Department of Public Health
Phone: 510-620-3429 | Email: Katherine.Lamba@cdph.ca.gov

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From: Wais, Ashley <AWais@buttecounty.net>

Sent: Wednesday, July 23, 2025 9:27 AM

To: Lamba, Katherine@CDPH <Katherine.Lamba@cdph.ca.gov>; Mattioli, Mia Catharine (CDC/NCEZID/DFWED/WDPB) <kuk9@cdc.gov>; Parker, Thomas <TParker@buttecounty.net>; McKeel, Haley (CDC/NCEZID/DFWED/EDLB) <hvw0@cdc.gov>
Cc: Kahler, Amy (CDC/NCEZID/DFWED/WDPB) <ete1@cdc.gov>; Roundtree, Alexis V. (CDC/NCEZID/DFWED/WDPB) (CTR) <hzi5@cdc.gov>; Kunz, Jasen M. (CDC/NCEZID/DFWED/WDPB) <izk0@cdc.gov>
Subject: RE: Consultation re: STEC O157 cases exposed to natural recreational water in Butte County, CA

Hi Kat,

Thank you for this update.

If we could have a list of the supplies that would be needed to collect the samples, I can check with our lab to see if we have them.

Thank you,

Ashley Wais, MPH, CIC®

Epidemiologist
BUTTE COUNTY PUBLIC HEALTH
202 Mira Loma Drive | Oroville, CA 95965
T: 530-552-3950 | M: 530-300-4166
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From: Lamba, Katherine@CDPH <Katherine.Lamba@cdph.ca.gov>

Sent: Wednesday, July 23, 2025 9:13 AM

To: Mattioli, Mia Catharine (CDC/NCEZID/DFWED/WDPB) <kuk9@cdc.gov>; Wais, Ashley <AWais@buttecounty.net>; Parker, Thomas <TParker@buttecounty.net>; McKeel, Haley (CDC/NCEZID/DFWED/EDLB) <hvw0@cdc.gov>

Cc: Kahler, Amy (CDC/NCEZID/DFWED/WDPB) <ete1@cdc.gov>; Roundtree, Alexis V. (CDC/NCEZID/DFWED/WDPB) (CTR) <hzi5@cdc.gov>; Kunz, Jasen M. (CDC/NCEZID/DFWED/WDPB) <izk0@cdc.gov>

Subject: RE: Consultation re: STEC O157 cases exposed to natural recreational water in Butte County, CA

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Hi all,

We have capacity at one of our labs for the goose scat testing at CDPH (Food and Drug lab)- I will check with a 2nd (MDL) as well and loop in the appropriate folks regarding # of samples they have capacity to test at this time.

@Wais, Ashley and team, will you need collection supplies? Will get back to you soon with additional information.

Kat

Katherine Lamba, MPH (she/her)
California Department of Public Health
Phone: 510-620-3429 | Email: Katherine.Lamba@cdph.ca.gov

Confidential - Low

From: Mattioli, Mia Catharine (CDC/NCEZID/DFWED/WDPB) <kuk9@cdc.gov>
Sent: Wednesday, July 23, 2025 7:49 AM
To: Wais, Ashley <AWais@buttecounty.net>; Parker, Thomas <TParker@buttecounty.net>; McKeel, Haley (CDC/NCEZID/DFWED/EDLB) <hvw0@cdc.gov>; Lamba, Katherine@CDPH <Katherine.Lamba@cdph.ca.gov>
Cc: Kahler, Amy (CDC/NCEZID/DFWED/WDPB) <ete1@cdc.gov>; Roundtree, Alexis V. (CDC/NCEZID/DFWED/WDPB) (CTR) <hzi5@cdc.gov>; Kunz, Jasen M. (CDC/NCEZID/DFWED/WDPB) <izk0@cdc.gov>
Subject: RE: Consultation re: STEC O157 cases exposed to natural recreational water in Butte County, CA

Hi Ashley,

Thanks so much for bringing this up! Unfortunately, our lab can't do the animal fecal the testing, but I thought on the call CDPH lab said they could do the fecal testing similar to Lake Wildwood. @Lamba, Katherine@CDPH, would you be able to check with your lab about the animal fecal testing?

If CDPH is unavailable, CDC enterics may be able to support, but I believe they have limited capacity and need samples collected in transport media (Cary Blair). [@McKeel, Haley \(CDC/NCEZID/DFWED/EDLB\)](mailto:@McKeel, Haley (CDC/NCEZID/DFWED/EDLB)) is that correct?

For scat sampling supplies, we only sent the new plastic tarp I mentioned that is helpful for goose scat if you see a flock when sampling. You can bring crackers to lure them to the tarp, but it can be tricky as you would imagine.

Let me know if helpful to discuss further!

Mia

Mia Catharine Mattioli
Environmental Engineer
Centers for Disease Control and Prevention (CDC)
Department of Health and Human Services (HHS)
Office: (404) 718-5643

Highly Sensitive/Any User (No encryption)

From: Wais, Ashley <AWais@buttecounty.net>
Sent: Tuesday, July 22, 2025 6:57 PM
To: Parker, Thomas <TParker@buttecounty.net>; Mattioli, Mia Catharine (CDC/NCEZID/DFWED/WDPB) <kuk9@cdc.gov>
Cc: Kahler, Amy (CDC/NCEZID/DFWED/WDPB) <ete1@cdc.gov>; Roundtree, Alexis V. (CDC/NCEZID/DFWED/WDPB) (CTR) <hzi5@cdc.gov>; McKeel, Haley (CDC/NCEZID/DFWED/EDLB) <hvw0@cdc.gov>; Lamba, Katherine@CDPH <Katherine.Lamba@cdph.ca.gov>; Kunz, Jasen M. (CDC/NCEZID/DFWED/WDPB) <izk0@cdc.gov>
Subject: RE: Consultation re: STEC O157 cases exposed to natural recreational water in Butte County, CA

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Hi Mia,

Thank you for this insight. Do you have any guidance/recommendations on how to collect animal feces samples (most likely from geese, possibly cattle)? If we are successful in collecting these samples, are we able to include them in the main shipment?

Thank you,

Ashley Wais, MPH, CIC[®]

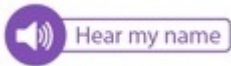
Epidemiologist

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From: Parker, Thomas <TParker@buttecounty.net>

Sent: Tuesday, July 22, 2025 2:55 PM

To: 'Mattioli, Mia Catharine (CDC/NCEZID/DFWED/WDPB)' <kuk9@cdc.gov>

Cc: Kahler, Amy (CDC/NCEZID/DFWED/WDPB) <ete1@cdc.gov>; Roundtree, Alexis V. (CDC/NCEZID/DFWED/WDPB) (CTR) <hzi5@cdc.gov>; McKeel, Haley (CDC/NCEZID/DFWED/EDLB) <hvw0@cdc.gov>; Lamba, Katherine@CDPH <Katherine.Lamba@cdph.ca.gov>; Wais, Ashley <AWais@buttecounty.net>; Kunz, Jasen M. (CDC/NCEZID/DFWED/WDPB) <izk0@cdc.gov>

Subject: RE: Consultation re: STEC O157 cases exposed to natural recreational water in Butte County, CA

Thank you for all of the information!

Thomas Parker

Program Manager, Hazardous Materials

[BUTTE COUNTY PUBLIC HEALTH](#)

[202 Mira Loma Drive | Oroville, CA 95965](#)

T: 530.552.3870 | D: [530.552.3870](tel:530.552.3870)

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From: Mattioli, Mia Catharine (CDC/NCEZID/DFWED/WDPB) <kuk9@cdc.gov>

Sent: Tuesday, July 22, 2025 2:43 PM

To: Parker, Thomas <TParker@buttecounty.net>

Cc: Kahler, Amy (CDC/NCEZID/DFWED/WDPB) <ete1@cdc.gov>; Roundtree, Alexis V. (CDC/NCEZID/DFWED/WDPB) (CTR) <hzi5@cdc.gov>; McKeel, Haley (CDC/NCEZID/DFWED/EDLB) <hvw0@cdc.gov>; Lamba, Katherine@CDPH <Katherine.Lamba@cdph.ca.gov>; Wais, Ashley <AWais@buttecounty.net>; Kunz, Jasen M. (CDC/NCEZID/DFWED/WDPB) <izk0@cdc.gov>

Subject: RE: Consultation re: STEC O157 cases exposed to natural recreational water in Butte County, CA

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Sorry for all the emails! I also meant to note that the batteries for the pump have been fully charge so should be ready to go. The pH probe will need to be calibrated in the field due to the dependence on air temperature. However, we have provided the manual and 3 standard solutions with the probe.

Thanks again!

Mia

Mia Catharine Mattioli
Environmental Engineer
Centers for Disease Control and Prevention (CDC)
Department of Health and Human Services (HHS)
Office: (404) 718-5643

Highly Sensitive/Any User (No encryption)

From: Mattioli, Mia Catharine (CDC/NCEZID/DFWED/WDPB)

Sent: Tuesday, July 22, 2025 5:40 PM

To: Parker, Thomas <TParker@buttecounty.net>

Cc: Kahler, Amy (CDC/NCEZID/DFWED/WDPB) <ete1@cdc.gov>; Roundtree, Alexis V. (CDC/NCEZID/DFWED/WDPB) (CTR) <hzi5@cdc.gov>; McKeel, Haley (CDC/NCEZID/DFWED/EDLB) <hvw0@cdc.gov>; Lamba, Katherine@CDPH <Katherine.Lamba@cdph.ca.gov>; Wais, Ashley <AWais@buttecounty.net>; Kunz, Jasen M. (CDC/NCEZID/DFWED/WDPB) <izk0@cdc.gov>

Subject: RE: Consultation re: STEC O157 cases exposed to natural recreational water in Butte County, CA

Apologies for not highlighting this in the quick guide. Please start sampling furthers **downstream** and move upstream. This will ensure separate parcels of water are sampled at each site from the flowing source.

Thanks again!

Mia

Mia Catharine Mattioli
Environmental Engineer

Centers for Disease Control and Prevention (CDC)
Department of Health and Human Services (HHS)
Office: (404) 718-5643

From: Mattioli, Mia Catharine (CDC/NCEZID/DFWED/WDPB)
Sent: Tuesday, July 22, 2025 5:39 PM
To: Parker, Thomas <TParker@buttecounty.net>
Cc: Kahler, Amy (CDC/NCEZID/DFWED/WDPB) <ete1@cdc.gov>; Roundtree, Alexis V. (CDC/NCEZID/DFWED/WDPB) (CTR) <hzi5@cdc.gov>; McKeel, Haley (CDC/NCEZID/DFWED/EDLB) <hvw0@cdc.gov>; Lamba, Katherine@CDPH <Katherine.Lamba@cdph.ca.gov>; Wais, Ashley <AWais@buttecounty.net>; Kunz, Jasen M. (CDC/NCEZID/DFWED/WDPB) <izk0@cdc.gov>
Subject: RE: Consultation re: STEC O157 cases exposed to natural recreational water in Butte County, CA

Hi Thomas,

The sampling supplies have been shipping and should arrive tomorrow morning (FedEx tracking number **450145173848**).

I've attached a quick guide for sampling and shipping based on our discussion on sampling sites. The shipping information back to CDC is also pasted in this email below, and of note, please ship the samples on ice (not frozen) **first overnight via FedEx**. The ice packs we have provided could not be shipped frozen so please freeze before sampling or use alternative blue ice.

I have also attached our protocol for your reference and an electronic copy of our Chain of Custody form, though both are provided as print outs on a clipboard with the sampling supplies.

Let us know as soon as you can what day you plan to sample. This will help us to plan in the labs for testing. My cell number is [REDACTED] Don't hesitate to call if you have any questions at all.
Thanks!
Mia

Mia Catharine Mattioli
Environmental Engineer
Centers for Disease Control and Prevention (CDC)
Department of Health and Human Services (HHS)
Office: (404) 718-5643

From: Parker, Thomas <TParker@buttecounty.net>
Sent: Tuesday, July 22, 2025 2:46 PM
To: Mattioli, Mia Catharine (CDC/NCEZID/DFWED/WDPB) <kuk9@cdc.gov>; Kahler, Amy (CDC/NCEZID/DFWED/WDPB) <ete1@cdc.gov>
Subject: RE: Consultation re: STEC O157 cases exposed to natural recreational water in Butte County, CA

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No worries, Mia and thanks for the response. That really helps. Will you be sending us a meter for water quality parameters (pH, temp, ect.)? I've used on in the past so I can certainly do that if it is helpful.

Thanks,

Thomas Parker

Program Manager, Hazardous Materials
[BUTTE COUNTY PUBLIC HEALTH](#)
[202 Mira Loma Drive | Oroville, CA 95965](#)
T: 530.552.3870 | D: [530.552.3870](#)

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From: Mattioli, Mia Catharine (CDC/NCEZID/DFWED/WDPB) <kuk9@cdc.gov>

Sent: Tuesday, July 22, 2025 11:34 AM

To: Parker, Thomas <TParker@buttecounty.net>; Kahler, Amy (CDC/NCEZID/DFWED/WDPB) <ete1@cdc.gov>

Subject: RE: Consultation re: STEC O157 cases exposed to natural recreational water in Butte County, CA

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Hi Thomas,

Apologies for the delayed response! We were shipping the supplies to you this morning. I will share the FedEx tracking number ASAP.

For the sediment, yes. That is the correct procedure to collect. Nothing fancy!

We seal the bottles (especially the sediment ones) with parafilm (provided), and then we have a sterile zip-lock bag for you to put that sediment bottle into for secondary containment. We don't use custody seals since this is non-regulatory.

I will be sending you a quick guide list of sampling sites and measurements for each site. But I'd be happy to review with you when you are done. We sincerely appreciate your thoroughness!

Mia

Mia Catharine Mattioli
Environmental Engineer
Centers for Disease Control and Prevention (CDC)
Department of Health and Human Services (HHS)
Office: (404) 718-5643

From: Parker, Thomas <TParker@buttecounty.net>

Sent: Tuesday, July 22, 2025 11:51 AM

To: Kahler, Amy (CDC/NCEZID/DFWED/WDPB) <ete1@cdc.gov>

Cc: Mattioli, Mia Catharine (CDC/NCEZID/DFWED/WDPB) <kuk9@cdc.gov>

Subject: RE: Consultation re: STEC O157 cases exposed to natural recreational water in Butte County, CA

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Hi Amy and Mia- I am finishing up my sampling plan this morning and had a few questions regarding the sediment sampling. My understanding from the phone call is that we will fill a 1 Liter bottle half full with the sediment, using a disposable scoop and drain off as much water as possible. Is this a poly bottle with a wide top or just a normal 1 liter bottle? Also, does the pack you sent contain custody seals as well? I can use tape if not. Also, after I complete my sampling plan, is there a chance one of you can do a quick review to make sure I am not missing anything or have something wrong in the process? I am trying to be as thorough as possible in case we have future sampling and I am not available.

Thanks,

Thomas Parker

Program Manager, Hazardous Materials
[BUTTE COUNTY PUBLIC HEALTH](#)
[202 Mira Loma Drive | Oroville, CA 95965](#)
T: 530.552.3870 | D: [530.552.3870](#)

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From: Kahler, Amy (CDC/NCEZID/DFWED/WDPB) <ete1@cdc.gov>
Sent: Monday, July 21, 2025 12:30 PM
To: Parker, Thomas <TParker@buttecounty.net>
Cc: Mattioli, Mia Catharine (CDC/NCEZID/DFWED/WDPB) <kuk9@cdc.gov>
Subject: RE: Consultation re: STEC O157 cases exposed to natural recreational water in Butte County, CA

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Hi Thomas,

We will send you two small-ish batteries to use. Both batteries will fit into the pump case and it will be heavy but portable. In a pinch you can also use the adapter that plugs into the cigarette lighter contraption in a car (I don't know what it's called any more). We'll send the cables for both options – although the battery option is the easiest.

Thanks,
Amy

From: Parker, Thomas <TParker@buttecounty.net>
Sent: Monday, July 21, 2025 3:24 PM
To: Kahler, Amy (CDC/NCEZID/DFWED/WDPB) <ete1@cdc.gov>

Cc: Mattioli, Mia Catharine (CDC/NCEZID/DFWED/WDPB) <kuk9@cdc.gov>

Subject: RE: Consultation re: STEC O157 cases exposed to natural recreational water in Butte County, CA

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Thank you Amy, that is great advice. Another question for you. The peristaltic pump requires a 12-volt battery for power. Would this be a car battery or is there another smaller battery that can be used. Getting a car battery to some of these locations may be difficult.

Thanks,

Thomas Parker

Program Manager, Hazardous Materials

[BUTTE COUNTY PUBLIC HEALTH](#)

[202 Mira Loma Drive | Oroville, CA 95965](#)

T: 530.552.3870 | D: [530.552.3870](tel:530.552.3870)

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From: Kahler, Amy (CDC/NCEZID/DFWED/WDPB) <ete1@cdc.gov>

Sent: Monday, July 21, 2025 12:10 PM

To: Parker, Thomas <TParker@buttecounty.net>

Cc: Mattioli, Mia Catharine (CDC/NCEZID/DFWED/WDPB) <kuk9@cdc.gov>

Subject: RE: Consultation re: STEC O157 cases exposed to natural recreational water in Butte County, CA

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Hi Thomas,

Sometimes the decision about where to collect the water sample is more about the logistics of where you can access the site – so if any locations present logistical challenges in accessing the water, any sample you can take is OK! However, if you have the luxury of choice, I'd say opt for flowing water over stagnant, with one caveat. If the water is flowing too fast, you could have issues keeping the tubing submerged with all the movement. We will send tubing weights you can attach to the tubing with a zip tie to help keep the tubing submerged, but it may also help if the water isn't too turbulent to begin with. With the weights there is a bit of balancing act though. You'll want to keep watch to make sure the tubing doesn't suck up too much sediment. We like to attach the weight several inches up from the end of the tubing so that the tubing end can point up, away from the sediment. We also orient the flow so that the ultrafilter filtrate gets released downstream from the intake – if the water is stagnant, you'll want to make sure the filtrate is released far enough downstream to not disturb the intake water. You can also let the filtrate flow onto the grass/banks if that's not too messy.

Taking the sediment sample downstream of the water intake is exactly the right approach. If this isn't physically possible, you could also wait and take the sediment sample after filtration is complete.

Thanks,
Amy

From: Parker, Thomas <TParker@buttecounty.net>
Sent: Monday, July 21, 2025 2:37 PM
To: Kahler, Amy (CDC/NCEZID/DFWED/WDPB) <ete1@cdc.gov>
Subject: RE: Consultation re: STEC O157 cases exposed to natural recreational water in Butte County, CA

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Thank you, that was my thought regarding the sediment sampling but I was not sure. I scouted out a few locations during my run over the weekend which had both. And thanks for the timeline for collecting the filtered samples. I just went through that part of the protocol so that is reassuring. For the filtered samples, is there a preference between collecting in still water vs faster flowing water? I have not noticed that in the protocol yet. I plan to take the water samples upstream from the sediment samples to avoid any silt/sediment from entering the filtration.

Thanks,

Thomas Parker
Program Manager, Hazardous Materials
[BUTTE COUNTY PUBLIC HEALTH](#)
[202 Mira Loma Drive | Oroville, CA 95965](#)
T: 530.552.3870 | D: [530.552.3870](tel:530.552.3870)

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From: Kahler, Amy (CDC/NCEZID/DFWED/WDPB) <ete1@cdc.gov>
Sent: Monday, July 21, 2025 11:26 AM
To: Parker, Thomas <TParker@buttecounty.net>; Mattioli, Mia Catharine (CDC/NCEZID/DFWED/WDPB) <kuk9@cdc.gov>
Subject: RE: Consultation re: STEC O157 cases exposed to natural recreational water in Butte County, CA

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Hi Thomas,

For the sediment sampling, we recommend going for the more silty sediment, if possible. The ultrafiltration procedure takes about 30 minutes for 50-L of water from start to finish. It will take a few minutes of setup, but once the filter is

running you'll get 50-L through in 15-20 minutes at a 3-4 L/min flow rate. Then a few minutes of cleanup and you're on to the next site!

Thanks,
Amy

From: Parker, Thomas <TParker@buttecounty.net>

Sent: Monday, July 21, 2025 1:06 PM

To: Mattioli, Mia Catharine (CDC/NCEZID/DFWED/WDPB) <kuk9@cdc.gov>; Kahler, Amy (CDC/NCEZID/DFWED/WDPB) <ete1@cdc.gov>

Subject: RE: Consultation re: STEC O157 cases exposed to natural recreational water in Butte County, CA

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Thank you Mia. I have just two right now since I have not been able to read the protocol yet.

1. For the sediment sampling, is there a preference between sand or silt? Or does it matter?
2. How long does it typically take to filter the 50 liters of water? I am in the pre-planning stages and need to estimate time out in the field, coupled with my upcoming vacations.

Thanks,

Thomas Parker

Program Manager, Hazardous Materials

[BUTTE COUNTY PUBLIC HEALTH](#)

[202 Mira Loma Drive | Oroville, CA 95965](#)

T: 530.552.3870 | D: [530.552.3870](tel:530.552.3870)

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From: Mattioli, Mia Catharine (CDC/NCEZID/DFWED/WDPB) <kuk9@cdc.gov>

Sent: Monday, July 21, 2025 9:56 AM

To: Parker, Thomas <TParker@buttecounty.net>; Wais, Ashley <AWais@buttecounty.net>; Lamba, Katherine@CDPH <Katherine.Lamba@cdph.ca.gov>; Miko, Shanna (CDC/NCEZID/DFWED/WDPB) <rhu6@cdc.gov>; Beaudoin, Jarett <JBeaudoin@buttecounty.net>

Cc: Stainken, Cameron (CDC cdph.ca.gov) <cameron.stainken@cdph.ca.gov>; Kahler, Amy (CDC/NCEZID/DFWED/WDPB) <ete1@cdc.gov>; Kunz, Jasen M. (CDC/NCEZID/DFWED/WDPB) <izk0@cdc.gov>; Hill, Vincent (CDC/NCEZID/DFWED/WDPB) <veh2@cdc.gov>; McKeel, Haley (CDC/NCEZID/DFWED/EDLB) <hvw0@cdc.gov>; Strockbine, Nancy (CDC/NCEZID/DFWED/EDLB) <nas6@cdc.gov>; McSpadden, Elaine <EMcspadden@buttecounty.net>

Subject: RE: Consultation re: STEC O157 cases exposed to natural recreational water in Butte County, CA

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Hi Thomas,

You can direct those questions to myself and Amy Kahler (ete1@cdc.gov). Look forward to working with you!

Mia

Mia Catharine Mattioli
Environmental Engineer
Centers for Disease Control and Prevention (CDC)
Department of Health and Human Services (HHS)
Office: (404) 718-5643

From: Parker, Thomas <TParker@buttecounty.net>

Sent: Monday, July 21, 2025 12:35 PM

To: Mattioli, Mia Catharine (CDC/NCEZID/DFWED/WDPB) <kuk9@cdc.gov>; Wais, Ashley <AWais@buttecounty.net>; Lamba, Katherine@CDPH <Katherine.Lamba@cdph.ca.gov>; Miko, Shanna (CDC/NCEZID/DFWED/WDPB) <rhu6@cdc.gov>; Beaudoin, Jarett <JBeaudoin@buttecounty.net>

Cc: Stainken, Cameron (CDC cdph.ca.gov) <cameron.stainken@cdph.ca.gov>; Kahler, Amy (CDC/NCEZID/DFWED/WDPB) <ete1@cdc.gov>; Kunz, Jasen M. (CDC/NCEZID/DFWED/WDPB) <izk0@cdc.gov>; Hill, Vincent (CDC/NCEZID/DFWED/WDPB) <veh2@cdc.gov>; McKeel, Haley (CDC/NCEZID/DFWED/EDLB) <hvw0@cdc.gov>;

Strockbine, Nancy (CDC/NCEZID/DFWED/EDLB) <nas6@cdc.gov>; McSpadden, Elaine <EMcspadden@buttecounty.net>

Subject: RE: Consultation re: STEC O157 cases exposed to natural recreational water in Butte County, CA

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Thank you Mia. If I have specific questions regarding sampling protocols or procedures, should I direct them to you or someone else?

Thomas Parker

Program Manager, Hazardous Materials
[BUTTE COUNTY PUBLIC HEALTH](#)
[202 Mira Loma Drive | Oroville, CA 95965](#)
T: 530.552.3870 | D: [530.552.3870](tel:530.552.3870)

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From: Mattioli, Mia Catharine (CDC/NCEZID/DFWED/WDPB) <kuk9@cdc.gov>
Sent: Monday, July 21, 2025 9:26 AM
To: Wais, Ashley <AWais@buttecounty.net>; Lamba, Katherine@CDPH <Katherine.Lamba@cdph.ca.gov>; Miko, Shanna (CDC/NCEZID/DFWED/WDPB) <rhu6@cdc.gov>; Beaudoin, Jarett <JBeaudoin@buttecounty.net>
Cc: Stainken, Cameron (CDC cdph.ca.gov) <cameron.stainken@cdph.ca.gov>; Kahler, Amy (CDC/NCEZID/DFWED/WDPB) <ete1@cdc.gov>; Kunz, Jasen M. (CDC/NCEZID/DFWED/WDPB) <izk0@cdc.gov>; Hill, Vincent (CDC/NCEZID/DFWED/WDPB) <veh2@cdc.gov>; McKeel, Haley (CDC/NCEZID/DFWED/EDLB) <hvw0@cdc.gov>; Strockbine, Nancy (CDC/NCEZID/DFWED/EDLB) <nas6@cdc.gov>; McSpadden, Elaine <EMcspadden@buttecounty.net>; Parker, Thomas <TParker@buttecounty.net>
Subject: RE: Consultation re: STEC O157 cases exposed to natural recreational water in Butte County, CA

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Wonderful! We're work to get the supplies and sampling guidance to you asap.

I also realized I didn't answer you other question. The sediment sample you collect will be great to test (O157 is very hardy in sediment). Just be sure to keep it at 4C and ship on ice packs, which we will send. You can wait to send it with the other samples.

Also, you'll have my cell so we can facetime to troubleshoot any issues as well.

Thanks!

Mia

Mia Catharine Mattioli
Environmental Engineer
Centers for Disease Control and Prevention (CDC)
Department of Health and Human Services (HHS)
Office: (404) 718-5643

From: Wais, Ashley <AWais@buttecounty.net>
Sent: Monday, July 21, 2025 12:23 PM
To: Mattioli, Mia Catharine (CDC/NCEZID/DFWED/WDPB) <kuk9@cdc.gov>; Lamba, Katherine@CDPH <Katherine.Lamba@cdph.ca.gov>; Miko, Shanna (CDC/NCEZID/DFWED/WDPB) <rhu6@cdc.gov>; Beaudoin, Jarett <JBeaudoin@buttecounty.net>
Cc: Stainken, Cameron (CDC cdph.ca.gov) <cameron.stainken@cdph.ca.gov>; Kahler, Amy (CDC/NCEZID/DFWED/WDPB) <ete1@cdc.gov>; Kunz, Jasen M. (CDC/NCEZID/DFWED/WDPB) <izk0@cdc.gov>; Hill, Vincent (CDC/NCEZID/DFWED/WDPB) <veh2@cdc.gov>; McKeel, Haley (CDC/NCEZID/DFWED/EDLB) <hvw0@cdc.gov>; Strockbine, Nancy (CDC/NCEZID/DFWED/EDLB) <nas6@cdc.gov>; McSpadden, Elaine <EMcspadden@buttecounty.net>; Parker, Thomas <TParker@buttecounty.net>
Subject: RE: Consultation re: STEC O157 cases exposed to natural recreational water in Butte County, CA

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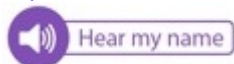
Hi Mia,

Thank you for this insight. Below is the appropriate address to ship the supplies to.

Butte County Environmental Health
ATTN: Tom Parker
202 Mira Loma Drive
Oroville, CA 95965

In the meantime, the Butte County team will review the water sampling protocol shared in the meeting and have internal discussions to confirm sampling locations. I believe that we will have additional questions before we conduct sampling and greatly appreciate the CDC team's support and guidance during this project.

Thank you,
Ashley Wais, MPH, CIC®
Epidemiologist
[BUTTE COUNTY PUBLIC HEALTH](#)
[202 Mira Loma Drive | Oroville, CA 95965](#)
T: [530-552-3950](#) | M: [530-300-4166](#)
<https://www.buttecounty.net/610/Public-Health>



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From: Mattioli, Mia Catharine (CDC/NCEZID/DFWED/WDPB) <kuk9@cdc.gov>
Sent: Saturday, July 19, 2025 11:31 AM
To: Wais, Ashley <AWais@buttecounty.net>; Lamba, Katherine@CDPH <Katherine.Lamba@cdph.ca.gov>; Miko, Shanna (CDC/NCEZID/DFWED/WDPB) <rhu6@cdc.gov>; Beaudoin, Jarett <JBeaudoin@buttecounty.net>
Cc: Stainken, Cameron (CDC cdph.ca.gov) <cameron.stainken@cdph.ca.gov>; Kahler, Amy (CDC/NCEZID/DFWED/WDPB) <ete1@cdc.gov>; Kunz, Jasen M. (CDC/NCEZID/DFWED/WDPB) <izk0@cdc.gov>; Hill, Vincent (CDC/NCEZID/DFWED/WDPB) <veh2@cdc.gov>; McKeel, Haley (CDC/NCEZID/DFWED/EDLB) <hvw0@cdc.gov>; Strockbine, Nancy (CDC/NCEZID/DFWED/EDLB) <nas6@cdc.gov>
Subject: RE: Consultation re: STEC O157 cases exposed to natural recreational water in Butte County, CA

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Hi Ashley,

It was great speaking with you all on Friday. We are happy to support sampling and testing of the creek associated with the *E. coli* O157:H7 outbreak.

Based on our discussion, we would recommend water and sediment sampling at the following **5 locations**: the three swimming sites associated with exposure, immediately downstream of the golf course but upstream of the first swimming location, and further upstream where the wildfire sediment deposited. We would test these samples for *E. coli* O157:H7

and generic fecal indicator *E. coli*, as well as microbial source tracking markers specific to feces for birds, ruminants, and humans and markers specific to mitochondria of goose (given the Wildwood association). As mentioned on the call, Amy Irani in Nevada County did the sampling for the Lake Wildwood outbreak and is familiar with our large volume ultrafiltration sampling procedure so we would recommend asking if she can support given that experience.

If you all are OK with this plan, we can provide more details on the sampling and supplies, but first we **need the best address to ship**. Likely the earliest we can get the supplies to you all is Wednesday morning so sampling could occur on Wednesday and Thursday at the earliest. Friday sampling is tricky because Saturday delivery by FedEx is often problematic.

Thanks again for reaching out and look forward to working with you all!

Mia

Mia Catharine Mattioli
Environmental Engineer
Centers for Disease Control and Prevention (CDC)
Department of Health and Human Services (HHS)
Office: (404) 718-5643

From: Wais, Ashley <AWais@buttecounty.net>

Sent: Friday, July 18, 2025 6:45 PM

To: Lamba, Katherine@CDPH <Katherine.Lamba@cdph.ca.gov>; Mattioli, Mia Catharine (CDC/NCEZID/DFWED/WDPB) <kuk9@cdc.gov>; Miko, Shanna (CDC/NCEZID/DFWED/WDPB) <rhu6@cdc.gov>; Beaudoin, Jarett <JBeaudoin@buttecounty.net>

Cc: Stainken, Cameron (CDC cdph.ca.gov) <cameron.stainken@cdph.ca.gov>; Kahler, Amy (CDC/NCEZID/DFWED/WDPB) <ete1@cdc.gov>; Kunz, Jasen M. (CDC/NCEZID/DFWED/WDPB) <izk0@cdc.gov>; Hill, Vincent (CDC/NCEZID/DFWED/WDPB) <veh2@cdc.gov>; McKeel, Haley (CDC/NCEZID/DFWED/EDLB) <hvw0@cdc.gov>; Strockbine, Nancy (CDC/NCEZID/DFWED/EDLB) <nas6@cdc.gov>

Subject: RE: Consultation re: STEC O157 cases exposed to natural recreational water in Butte County, CA

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Hi CDC/CDPH teams,

Thank you all so much for your time and support with this scenario. We will await further guidance on next steps.

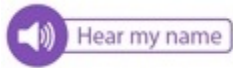
I would also love to reach out to Jordan who was on the call speaking about the sequencing results, but I do not see them on this email chain currently. If someone from the CDC team could send me their contact info, that would be much appreciated.

Lastly, the City of Chico collected a sediment sample while conducting their cleaning efforts yesterday. I wanted to confirm if there was a time frame in which that needs to be tested for it to be viable?

Thank you again,

Ashley Wais, MPH, CIC®
Epidemiologist

BUTTE COUNTY PUBLIC HEALTH
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T: 530-552-3950 | M: 530-300-4166
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From: Lamba, Katherine@CDPH <Katherine.Lamba@cdph.ca.gov>
Sent: Friday, July 18, 2025 9:48 AM
To: Wais, Ashley <AWais@buttecounty.net>; 'Mattioli, Mia Catharine (CDC/NCEZID/DFWED/WDPB)' <kuk9@cdc.gov>; Miko, Shanna (CDC/NCEZID/DFWED/WDPB) <rhu6@cdc.gov>; Beaudoin, Jarett <jbeaudoin@buttecounty.net>
Cc: Stainken, Cameron@CDPH <Cameron.Stainken@cdph.ca.gov>; Kahler, Amy (CDC/NCEZID/DFWED/WDPB) <ete1@cdc.gov>; Kunz, Jasen M. (CDC/NCEZID/DFWED/WDPB) <izk0@cdc.gov>; Hill, Vincent (CDC/NCEZID/DFWED/WDPB) <veh2@cdc.gov>; McKeel, Haley (CDC/NCEZID/DFWED/EDLB) <hvw0@cdc.gov>; Strockbine, Nancy (CDC/NCEZID/DFWED/EDLB) <nas6@cdc.gov>
Subject: RE: Consultation re: STEC O157 cases exposed to natural recreational water in Butte County, CA

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Thanks Ashley, updates incorporated in the table below.

Kat

Katherine Lamba, MPH (she/her)
California Department of Public Health

Confidential - Low

From: Wais, Ashley <AWais@buttecounty.net>
Sent: Thursday, July 17, 2025 4:14 PM
To: Lamba, Katherine@CDPH <Katherine.Lamba@cdph.ca.gov>; 'Mattioli, Mia Catharine (CDC/NCEZID/DFWED/WDPB)' <kuk9@cdc.gov>; Miko, Shanna (CDC/NCEZID/DFWED/WDPB) <rhu6@cdc.gov>; Beaudoin, Jarett <jbeaudoin@buttecounty.net>
Cc: Stainken, Cameron@CDPH <Cameron.Stainken@cdph.ca.gov>; Kahler, Amy (CDC/NCEZID/DFWED/WDPB) <ete1@cdc.gov>; Kunz, Jasen M. (CDC/NCEZID/DFWED/WDPB) <izk0@cdc.gov>; Hill, Vincent (CDC/NCEZID/DFWED/WDPB) <veh2@cdc.gov>; McKeel, Haley (CDC/NCEZID/DFWED/EDLB) <hvw0@cdc.gov>; Strockbine, Nancy (CDC/NCEZID/DFWED/EDLB) <nas6@cdc.gov>
Subject: RE: Consultation re: STEC O157 cases exposed to natural recreational water in Butte County, CA

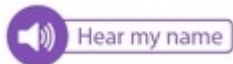
Hi Kat,

Thank you for this update. For the table below there are a few exposures that need to be updated.

[REDACTED]

Thank you,

Ashley Wais, MPH, CIC®
Epidemiologist
[BUTTE COUNTY PUBLIC HEALTH](#)
[202 Mira Loma Drive | Oroville, CA 95965](#)
T: [530-552-3950](tel:530-552-3950) | M: [530-300-4166](tel:530-300-4166)
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From: Lamba, Katherine@CDPH <Katherine.Lamba@cdph.ca.gov>
Sent: Thursday, July 17, 2025 3:55 PM
To: Wais, Ashley <AWais@buttecounty.net>; 'Mattioli, Mia Catharine (CDC/NCEZID/DFWED/WDPB)' <kuk9@cdc.gov>; Miko, Shanna (CDC/NCEZID/DFWED/WDPB) <rhu6@cdc.gov>; Beaudoin, Jarett <jbeaudoin@buttecounty.net>
Cc: Stainken, Cameron@CDPH <Cameron.Stainken@cdph.ca.gov>; Kahler, Amy (CDC/NCEZID/DFWED/WDPB) <ete1@cdc.gov>; Kunz, Jasen M. (CDC/NCEZID/DFWED/WDPB) <izk0@cdc.gov>; Hill, Vincent (CDC/NCEZID/DFWED/WDPB) <veh2@cdc.gov>; McKeel, Haley (CDC/NCEZID/DFWED/EDLB) <hvw0@cdc.gov>; Strockbine, Nancy (CDC/NCEZID/DFWED/EDLB) <nas6@cdc.gov>
Subject: RE: Consultation re: STEC O157 cases exposed to natural recreational water in Butte County, CA

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Hi all,

[REDACTED]

[REDACTED]	[REDACTED]	[REDACTED]	[REDACTED]	[REDACTED]	[REDACTED]	[REDACTED]	[REDACTED]
[REDACTED]	[REDACTED]	[REDACTED]	[REDACTED]	[REDACTED]	[REDACTED]	[REDACTED]	[REDACTED]
[REDACTED]	[REDACTED]	[REDACTED]	[REDACTED]	[REDACTED]	[REDACTED]	[REDACTED]	[REDACTED]
[REDACTED]	[REDACTED]	[REDACTED]	[REDACTED]	[REDACTED]	[REDACTED]	[REDACTED]	[REDACTED]
[REDACTED]	[REDACTED]	[REDACTED]	[REDACTED]	[REDACTED]	[REDACTED]	[REDACTED]	[REDACTED]
[REDACTED]	[REDACTED]	[REDACTED]	[REDACTED]	[REDACTED]	[REDACTED]	[REDACTED]	[REDACTED]

Thanks,
Kat

Katherine Lamba, MPH (she/her)
California Department of Public Health
Phone: 510-620-3429 | Email: Katherine.Lamba@cdph.ca.gov

Confidential - Low

From: Wais, Ashley <AWais@buttecounty.net>
Sent: Thursday, July 17, 2025 8:56 AM
To: 'Mattioli, Mia Catharine (CDC/NCEZID/DFWED/WDPB)' <kuk9@cdc.gov>; Lamba, Katherine@CDPH <Katherine.Lamba@cdph.ca.gov>; Miko, Shanna (CDC/NCEZID/DFWED/WDPB) <rhu6@cdc.gov>; Beaudoin, Jarett <jbeaudoin@buttecounty.net>
Cc: Stainken, Cameron@CDPH <Cameron.Stainken@cdph.ca.gov>; Kahler, Amy (CDC/NCEZID/DFWED/WDPB) <ete1@cdc.gov>; Kunz, Jasen M. (CDC/NCEZID/DFWED/WDPB) <izk0@cdc.gov>; Hill, Vincent (CDC/NCEZID/DFWED/WDPB) <veh2@cdc.gov>; McKeel, Haley (CDC/NCEZID/DFWED/EDLB) <hvw0@cdc.gov>; Strockbine, Nancy (CDC/NCEZID/DFWED/EDLB) <nas6@cdc.gov>
Subject: RE: Consultation re: STEC O157 cases exposed to natural recreational water in Butte County, CA

Hi Mia,

Thank you for accommodating our tight schedule and consulting with us for this scenario. We have reached out to the City of Chico to see if they can acquire these samples. We are available at 12PM tomorrow for a discussion.

I did have a few questions related to the sample requests:

1. The pool is now drained (see below) and the process for removing sediment is underway. Did the sediment need to be submerged?
2. I am not sure it will be possible to acquire a “mucky water” sample now that the pool is drained. Is there a different type of sample that should be taken or should it be taken from another location (upstream)?

Any insight is appreciated.



Thank you,
Ashley Wais, MPH, CIC®

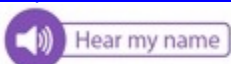
Epidemiologist

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Sent: Thursday, July 17, 2025 8:31 AM
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Cc: Stainken, Cameron (CDC cdph.ca.gov) <cameron.stainken@cdph.ca.gov>; Kahler, Amy (CDC/NCEZID/DFWED/WDPB) <ete1@cdc.gov>; Kunz, Jasen M. (CDC/NCEZID/DFWED/WDPB) <izk0@cdc.gov>; Hill, Vincent (CDC/NCEZID/DFWED/WDPB) <veh2@cdc.gov>; McKeel, Haley (CDC/NCEZID/DFWED/EDLB) <hvw0@cdc.gov>; Strockbine, Nancy (CDC/NCEZID/DFWED/EDLB) <nas6@cdc.gov>
Subject: RE: Consultation re: STEC O157 cases exposed to natural recreational water in Butte County, CA

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Hi Kat,

Thanks so much for proposing times!

CDC is available at the following:

- Friday 7/18: 12pm PST/3PM EST
- Monday 7/21: 1pm PST/4pm EST

Also, if they are cleaning out Sycamore pool, could we ask that someone grab two, 1-L bottles and fill one halfway with the sediment and the other almost full with the mucky water churned up? These can be stored in a fridge (4C) until process. Our lab does this type of testing if not available in CA. These samples will be the best for this type of bug and water source.

Thanks!

Mia

Mia Catharine Mattioli
Environmental Engineer
Centers for Disease Control and Prevention (CDC)
Department of Health and Human Services (HHS)
Office: (404) 718-5643

From: Lamba, Katherine@CDPH <Katherine.Lamba@cdph.ca.gov>
Sent: Wednesday, July 16, 2025 9:22 PM
To: Mattioli, Mia Catharine (CDC/NCEZID/DFWED/WDPB) <kuk9@cdc.gov>; Miko, Shanna (CDC/NCEZID/DFWED/WDPB) <rhu6@cdc.gov>; Wais, Ashley <AWais@buttecounty.net>; Beaudoin, Jarett <jbeaudoin@buttecounty.net>
Cc: Stainken, Cameron (CDC cdph.ca.gov) <cameron.stainken@cdph.ca.gov>; Kahler, Amy (CDC/NCEZID/DFWED/WDPB) <ete1@cdc.gov>; Kunz, Jasen M. (CDC/NCEZID/DFWED/WDPB) <izk0@cdc.gov>; Hill, Vincent (CDC/NCEZID/DFWED/WDPB) <veh2@cdc.gov>; McKeel, Haley (CDC/NCEZID/DFWED/EDLB) <hvw0@cdc.gov>; Strockbine, Nancy (CDC/NCEZID/DFWED/EDLB) <nas6@cdc.gov>
Subject: RE: Consultation re: STEC O157 cases exposed to natural recreational water in Butte County, CA

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Hi all,

Looping in a couple of folks from Butte County directly (Ashley Wais- epi and Dr. Beaudoin, Health Officer) so we can all sort out scheduling for this call.

Looks like scheduling over the next several days may be challenging but hopefully we can sort out a time that works sooner rather than later for the group. Would CDC team by chance be available during any of the following times?

- Thursday 7/17: 12pm PST/3PM EST
- Friday 7/18: 12pm PST/3PM EST
- Monday 7/21: 9am-11am PST (12-2 EST); 1pm PST/4pm EST
 - For Monday these are the slots that work for CDC and CDPH; @Wais, Ashley let us know if any of these work for Butte.

Thank you!
Kat

Katherine Lamba, MPH (she/her)
California Department of Public Health
Phone: 510-620-3429 | Email: Katherine.Lamba@cdph.ca.gov

Confidential - Low

From: Lamba, Katherine@CDPH
Sent: Wednesday, July 16, 2025 2:44 PM
To: Mattioli, Mia Catharine (CDC/NCEZID/DFWED/WDPB) <kuk9@cdc.gov>; Miko, Shanna (CDC/NCEZID/DFWED/WDPB) <rhu6@cdc.gov>
Cc: Stainken, Cameron@CDPH <Cameron.Stainken@cdph.ca.gov>; Kahler, Amy (CDC/NCEZID/DFWED/WDPB) <ete1@cdc.gov>; Kunz, Jasen M. (CDC/NCEZID/DFWED/WDPB) <izk0@cdc.gov>; Hill, Vincent (CDC/NCEZID/DFWED/WDPB) <veh2@cdc.gov>; McKeel, Haley (CDC/NCEZID/DFWED/EDLB) <hvw0@cdc.gov>; Strockbine, Nancy (CDC/NCEZID/DFWED/EDLB) <nas6@cdc.gov>
Subject: RE: Consultation re: STEC O157 cases exposed to natural recreational water in Butte County, CA

[REDACTED]

[REDACTED]

[REDACTED] My thought went to geese flying down from WA 😊 .

Kat

Katherine Lamba, MPH (she/her)
California Department of Public Health
Phone: 510-620-3429 | Email: Katherine.Lamba@cdph.ca.gov

From: Mattioli, Mia Catharine (CDC/NCEZID/DFWED/WDPB) <kuk9@cdc.gov>
Sent: Wednesday, July 16, 2025 2:30 PM
To: Lamba, Katherine@CDPH <Katherine.Lamba@cdph.ca.gov>; Miko, Shanna (CDC/NCEZID/DFWED/WDPB) <rhu6@cdc.gov>
Cc: Stainken, Cameron@CDPH <Cameron.Stainken@cdph.ca.gov>; Kahler, Amy (CDC/NCEZID/DFWED/WDPB) <ete1@cdc.gov>; Kunz, Jasen M. (CDC/NCEZID/DFWED/WDPB) <izk0@cdc.gov>; Hill, Vincent (CDC/NCEZID/DFWED/WDPB) <veh2@cdc.gov>; McKeel, Haley (CDC/NCEZID/DFWED/EDLB) <hvw0@cdc.gov>; Strockbine, Nancy (CDC/NCEZID/DFWED/EDLB) <nas6@cdc.gov>
Subject: RE: Consultation re: STEC O157 cases exposed to natural recreational water in Butte County, CA

Adding our other enterics clinical outbreak SME, Nancy Strockbine, as well.

Thanks!

Mia Catharine Mattioli
Environmental Engineer
Centers for Disease Control and Prevention (CDC)
Department of Health and Human Services (HHS)
Office: (404) 718-5643

From: Mattioli, Mia Catharine (CDC/NCEZID/DFWED/WDPB)
Sent: Wednesday, July 16, 2025 5:28 PM
To: Lamba, Katherine@CDPH <Katherine.Lamba@cdph.ca.gov>; Miko, Shanna (CDC/NCEZID/DFWED/WDPB) <rhu6@cdc.gov>
Cc: Stainken, Cameron (CDC cdph.ca.gov) <cameron.stainken@cdph.ca.gov>; Kahler, Amy (CDC/NCEZID/DFWED/WDPB) <ete1@cdc.gov>; Kunz, Jasen M. (CDC/NCEZID/DFWED/WDPB) <izk0@cdc.gov>; Hill, Vincent (CDC/NCEZID/DFWED/WDPB) <veh2@cdc.gov>; McKeel, Haley (CDC/NCEZID/DFWED/EDLB) <hvw0@cdc.gov>
Subject: RE: Consultation re: STEC O157 cases exposed to natural recreational water in Butte County, CA

OK, thanks so much! This is very close and similar sounding to our Lake Wildwood *E. coli* O157:H7 outbreak in 2017 at almost the exact same time of year. In that case there were Canada geese amplifying the pathogen within the lake. I wonder if there are geese or other birds frequenting these untreated venues as well. I'm including our clinical enterics laboratory SME, Haley McKeel, who was also involved in the 2017 response.

Our team would be available this Friday (7/18) from 12-2 PM EST or next Monday (7/21) after 12 PM EST. If none of those times work for you all, let us know what works best for you, and we can move things on our end.

Thanks again for reaching out!

Mia

Mia Catharine Mattioli
Environmental Engineer
Centers for Disease Control and Prevention (CDC)
Department of Health and Human Services (HHS)
Office: (404) 718-5643

From: Lamba, Katherine@CDPH <Katherine.Lamba@cdph.ca.gov>
Sent: Wednesday, July 16, 2025 5:22 PM
To: Mattioli, Mia Catharine (CDC/NCEZID/DFWED/WDPB) <kuk9@cdc.gov>; Miko, Shanna (CDC/NCEZID/DFWED/WDPB) <rhu6@cdc.gov>
Cc: Stainken, Cameron (CDC cdph.ca.gov) <cameron.stainken@cdph.ca.gov>; Kahler, Amy (CDC/NCEZID/DFWED/WDPB)

<ete1@cdc.gov>; Kunz, Jasen M. (CDC/NCEZID/DFWED/WDPB) <izk0@cdc.gov>; Hill, Vincent (CDC/NCEZID/DFWED/WDPB) <veh2@cdc.gov>

Subject: RE: Consultation re: STEC O157 cases exposed to natural recreational water in Butte County, CA

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Fantastic, thanks! Let me check in with our Butte County colleagues then I will loop them in and can coordinate setting something up. In the meantime if you are able to share some time slots over the next several days that work for your team that would be great.

Yes- Sycamore pool is untreated water.

Kat

Katherine Lamba, MPH (she/her)
California Department of Public Health
Phone: 510-620-3429 | Email: Katherine.Lamba@cdph.ca.gov

Confidential - Low

From: Mattioli, Mia Catharine (CDC/NCEZID/DFWED/WDPB) <kuk9@cdc.gov>
Sent: Wednesday, July 16, 2025 2:11 PM
To: Lamba, Katherine@CDPH <Katherine.Lamba@cdph.ca.gov>; Miko, Shanna (CDC/NCEZID/DFWED/WDPB) <rhu6@cdc.gov>
Cc: Stainken, Cameron@CDPH <Cameron.Stainken@cdph.ca.gov>; Kahler, Amy (CDC/NCEZID/DFWED/WDPB) <ete1@cdc.gov>; Kunz, Jasen M. (CDC/NCEZID/DFWED/WDPB) <izk0@cdc.gov>; Hill, Vincent (CDC/NCEZID/DFWED/WDPB) <veh2@cdc.gov>
Subject: RE: Consultation re: STEC O157 cases exposed to natural recreational water in Butte County, CA

Hi Kat,

Thanks for reaching out! Yes, Shanna and I are the right contacts. Shanna is only leave this week so I've included her back-fill for outbreak support, Jasen Kunz. Jasen can set up a call to discuss sampling and testing. Our lab does both water and sediment testing for *E. coli* O157:H7, and we happy to discuss our sampling and testing methods. Of note, generic *E. coli* tests used for monitoring do *not* detect O157:H7 strains, which means those values alone cannot be used to evaluate risk of pathogen contamination.

Thanks for the outbreak notes as well. Just so I'm clear, this pool is untreated, correct? It is fed by a creek without further treatment?

Let us know if you would like to set up a call or prefer Jasen reach out, and thanks again!

Mia

Mia Catharine Mattioli
Environmental Engineer
Centers for Disease Control and Prevention (CDC)
Department of Health and Human Services (HHS)
Office: (404) 718-5643

From: Lamba, Katherine@CDPH <Katherine.Lamba@cdph.ca.gov>

Sent: Wednesday, July 16, 2025 5:05 PM

To: Mattioli, Mia Catharine (CDC/NCEZID/DFWED/WDPB) <kuk9@cdc.gov>; Miko, Shanna (CDC/NCEZID/DFWED/WDPB) <rhu6@cdc.gov>

Cc: Stainken, Cameron (CDC cdph.ca.gov) <cameron.stainken@cdph.ca.gov>

Subject: Consultation re: STEC O157 cases exposed to natural recreational water in Butte County, CA

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Hi Mia and Shanna,

Hoping you're still the right contacts to reach out to- if not, please forward as needed.

CDPH has been supporting Butte County in the investigation of STEC O157 cases they suspect are associated with a couple of related natural recreational water locations in Chico, CA. Butte County has been in discussions with the City of Chico regarding possible testing of water and sediment for STEC/STEC O157 and they are looking for guidance on sampling methods, interpretation of laboratory results, and considerations around water sampling. We're wondering if you and your team may be available to consult on this situation, possibly via a conference call?

Some background:

- Butte County initially identified 2 cases of STEC O157 [REDACTED], onsets [REDACTED] where exposure to [Sycamore Pool](#) (aka One-Mile recreational area/Bidwell Park) in Chico is the suspected exposure. WGS has been completed for one STEC case and is in process for the 2nd. No other closely related recent STEC isolates have been identified.
 - 1 additional STEC case with onset [REDACTED] and exposure to Sycamore pool on [REDACTED] was subsequently identified.
- Sycamore pool is a man-made concrete swimming 'pool' with fresh natural recreational water and is connected to Big Chico Creek
- On 7/1/25, the City of Chico issued a [swimming advisory](#) at Sycamore pool due to elevated E. coli levels from routine testing. Samples are routinely collected upstream and downstream from Sycamore pool. The [pool is closed 7/16-7/18](#) for routine sediment removal/cleaning.
- Butte County has now identified 2 additional STEC cases, onsets [REDACTED] with exposure to the [Five Mile recreational area](#) in Chico, which is also connected to the Big Chico Creek but is about 3 miles east of Sycamore Pool. WGS is pending to determine if these cases have STEC isolates that are related to cases with Sycamore pool exposure.

Thank you, and Cameron please chime in if I've missed any relevant info.

Kat

Katherine Lamba, MPH (she/her)

Epidemiologist

Disease Investigations Section | Infectious Diseases Branch

Center for Infectious Diseases

California Department of Public Health

Phone: 510-620-3429 | Email: Katherine.Lamba@cdph.ca.gov

IDB-DIS general inbox: IDB-DIS@cdph.ca.gov



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Confidential - Low

Beaudoin, Jarett

From: Beaudoin, Jarett
Sent: Tuesday, August 12, 2025 12:03 PM
To: Wais, Ashley
Subject: Re: Contaminated Stream Water as Source for Escherichia coli O157 Illness in Child

Excellent.

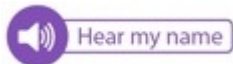
Jarett Beaudoin
Public Health Officer
Butte County Public Health

From: Wais, Ashley <AWais@buttecounty.net>
Sent: Tuesday, August 12, 2025 12:01:09 PM
To: Beaudoin, Jarett <JBeaudoin@buttecounty.net>
Subject: RE: Contaminated Stream Water as Source for Escherichia coli O157 Illness in Child

FYI: I did speak with Kat/Cameron yesterday about EH division. They did not have any additional info to share, but you will see the convo I had with them when I cc you on the lab request email.

Thanks!

Ashley Wais, MPH, CIC®
Epidemiologist
[BUTTE COUNTY PUBLIC HEALTH](#)
[202 Mira Loma Drive | Oroville, CA 95965](#)
T: [530-552-3950](#) | M: [530-300-4166](#)
<https://www.buttecounty.net/610/Public-Health>



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From: Beaudoin, Jarett <JBeaudoin@buttecounty.net>
Sent: Tuesday, August 12, 2025 11:51 AM
To: Wais, Ashley <AWais@buttecounty.net>
Subject: Re: Contaminated Stream Water as Source for Escherichia coli O157 Illness in Child

I like that a lot. See if they know what labs do the testing and get an estimate of their turn around time so we can shop around. Then we can also ask about their EH CDPH division comment and see if they are offering anything.

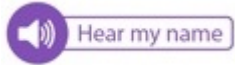
Can you cc me?

Jarett Beaudoin
Public Health Officer
Butte County Public Health

From: Wais, Ashley <AWais@buttecounty.net>
Sent: Tuesday, August 12, 2025 11:45:59 AM
To: Beaudoin, Jarett <JBeaudoin@buttecounty.net>
Subject: RE: Contaminated Stream Water as Source for Escherichia coli O157 Illness in Child

In that article you sent it looks like they partnered with MDL and Santa Clara County. I think it is possible that CDPH would be willing to test since they were willing to test the goose scat. They are more particular about their samples and their turnaround time may be unsatisfactory for our needs, but we can have a conversation with them to determine if we can partner with them or need to look for a different lab. I can ask Kat/Cameron to see what the state lab says about supporting additional animal testing?

Ashley Wais, MPH, CIC®
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From: Beaudoin, Jarett <JBeaudoin@buttecounty.net>
Sent: Tuesday, August 12, 2025 11:38 AM
To: Wais, Ashley <AWais@buttecounty.net>
Subject: Re: Contaminated Stream Water as Source for Escherichia coli O157 Illness in Child

I spoke to Monica about this and whether there may be interest in additional animal testing if the water board investigation is delayed. She is ok with us paying for the testing.

What do you think? Should we start reaching out to labs? I know Pandori said Monterey county, and then you said the state lab or San Joaquin? Or was it alameda...

Jarett Beaudoin
Public Health Officer
Butte County Public Health

From: Wais, Ashley <AWais@buttecounty.net>
Sent: Tuesday, August 12, 2025 11:33:06 AM
To: Beaudoin, Jarrett <JBeaudoin@buttecounty.net>
Subject: RE: Contaminated Stream Water as Source for Escherichia coli O157 Illness in Child

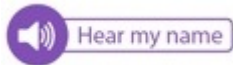
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From: Beaudoin, Jarrett <JBeaudoin@buttecounty.net>
Sent: Tuesday, August 12, 2025 11:13 AM
To: Wais, Ashley <AWais@buttecounty.net>
Subject: Contaminated Stream Water as Source for Escherichia coli O157 Illness in Child

<https://pmc.ncbi.nlm.nih.gov/articles/PMC5512484/>

I'm sure you've seen this, but they don't really mention how they collected the deer scat...

Jarrett Beaudoin
Public Health Officer
Butte County Public Health

Beaudoin, Jarett

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Sent: Tuesday, August 12, 2025 11:51 AM
To: Wais, Ashley
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Epidemiologist

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Hear my name

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From: Beaudoin, Jarett <JBeaudoin@buttecounty.net>
Sent: Tuesday, August 12, 2025 11:38 AM

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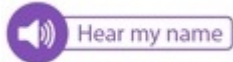
Epidemiologist

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To: Wais, Ashley <AWais@buttecounty.net>

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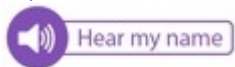
Epidemiologist

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Jarett Beaudoin
Public Health Officer
Butte County Public Health

Beaudoin, Jarett

From: Beaudoin, Jarett
Sent: Tuesday, August 12, 2025 11:33 AM
To: Pack, Joshua; Soderstrom, Monica
Cc: Pickett, Andy; Nuzum, Danielle
Subject: Re: Status of E. Coli Determination

What a great presentation!

Spoke to the CDC yesterday- the genetic analysis suggests there is a common, continuous source for all of the bacteria. Trouble is, we haven't found it yet. We are going to be working with the water board (hopefully) to do a more thorough survey of the creek upstream of five mile.

Unfortunately, this means that removing sediment right now wouldn't be helpful until we can pin down the source. We'll keep you all updated, and once we do find and address a source, there may be some logic to removing the sediment. Alas, this will take a few months and may not be helpful for your short term plan. It may help though for the long term option or if you all run into trouble with annual maintenance.

I'm happy to chat more if you all have any questions! Maybe we can sit down again once we have more info.

-Jarett

Jarett Beaudoin
Public Health Officer
Butte County Public Health

From: Pack, Joshua <jpack@buttecounty.net>
Sent: Tuesday, August 5, 2025 12:22:12 PM
To: Beaudoin, Jarett <JBeaudoin@buttecounty.net>; Soderstrom, Monica <msoderstrom@buttecounty.net>
Cc: Pickett, Andy <APickett@buttecounty.net>; Nuzum, Danielle <DNuzum@buttecounty.net>
Subject: RE: Status of E. Coli Determination

Sounds like a plan, Jarett. Thanks for the timely response! - Josh

From: Beaudoin, Jarett <JBeaudoin@buttecounty.net>
Sent: Tuesday, August 5, 2025 10:29 AM
To: Pack, Joshua <jpack@buttecounty.net>; Soderstrom, Monica <msoderstrom@buttecounty.net>
Cc: Pickett, Andy <APickett@buttecounty.net>; Nuzum, Danielle <DNuzum@buttecounty.net>
Subject: Re: Status of E. Coli Determination

Hey Josh,

Sorry for the delay- we are still pending a few more tests from CDC. But I can update you no less!

We have confirmed E Coli O157 in sediment from Sycamore Pool, Nature Center, and Five mile. Negative at Alligator hole so it's possible the source is somewhere between the two. We are pending some other tests to look for animal-specific bacteria and have also tested some geese scat.

We were planning on talking to CDC again to discuss next steps & interventions once these results are back. It should be early this week, so hopefully will have something for you by Friday at the latest!

-Jarett

Jarett Beaudoin, M.D., M.P.H.

Public Health Officer

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[202 Mira Loma Drive | Oroville, CA 95965](#)

T: 530.552.4000

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From: Pack, Joshua <jpack@buttecounty.net>

Sent: Tuesday, August 5, 2025 8:50 AM

To: Soderstrom, Monica <msoderstrom@buttecounty.net>; Beaudoin, Jarett <JBeaudoin@buttecounty.net>

Cc: Pickett, Andy <APickett@buttecounty.net>; Nuzum, Danielle <DNuzum@buttecounty.net>

Subject: Status of E. Coli Determination

Good morning –

I'm following up on our conversations from several weeks ago regarding the presence of E. coli and potential action by the PHO. I'm continuing to work on a presentation to the Board for urgent treatment at the Five-Mile Basin for next Tuesday. Any additional information or guidance you can provide before then will help me craft and refine my presentation.

I'm happy to connect later this week as needed to discuss.

Enjoy your week! – Josh

Joshua Pack
Director of Public Works



7 County Center Drive Oroville, CA 95965

530.538.7681 Phone

530-538-7171 Fax

jpach@buttecounty.net

Beaudoin, Jarett

From: Beaudoin, Jarett
Sent: Tuesday, August 12, 2025 11:13 AM
To: Wais, Ashley
Subject: Contaminated Stream Water as Source for Escherichia coli O157 Illness in Child

<https://pmc.ncbi.nlm.nih.gov/articles/PMC5512484/>

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Jarett Beaudoin
Public Health Officer
Butte County Public Health

Beaudoin, Jarett

From: Beaudoin, Jarett
Sent: Monday, August 11, 2025 11:05 AM
To: Wais, Ashley
Subject: Fw: Consultation re: STEC O157 cases exposed to natural recreational water in Butte County, CA

-Jarett

From: McKeel, Haley (CDC/NCEZID/DFWED/EDLB) <hvw0@cdc.gov>
Sent: Monday, August 11, 2025 10:22 AM
To: Lamba, Katherine@CDPH <Katherine.Lamba@cdph.ca.gov>; Miko, Shanna (CDC/NCEZID/DFWED/WDPB) <rhu6@cdc.gov>; Kahler, Amy (CDC/NCEZID/DFWED/WDPB) <ete1@cdc.gov>; Bond, Christian R@CDPH <Christian.Bond@cdph.ca.gov>; Mattioli, Mia Catharine (CDC/NCEZID/DFWED/WDPB) <kuk9@cdc.gov>; Parker, Thomas <TParker@buttecounty.net>; Beaudoin, Jarett <jbeaudoin@buttecounty.net>
Cc: Roundtree, Alexis V. (CDC/NCEZID/DFWED/WDPB) (CTR) <hzj5@cdc.gov>; Kunz, Jasen M. (CDC/NCEZID/DFWED/WDPB) <izk0@cdc.gov>; Strockbine, Nancy (CDC/NCEZID/DFWED/EDLB) <nas6@cdc.gov>; PulseNet (CDC) <pulsenet@cdc.gov>; Stainken, Cameron (CDC cdph.ca.gov) <cameron.stainken@cdph.ca.gov>; MacGurn, Amanda (CDC/NCEZID/DFWED/WDPB) <wmh9@cdc.gov>
Subject: RE: Consultation re: STEC O157 cases exposed to natural recreational water in Butte County, CA

ATTENTION: This message originated from outside **Butte County**. Please exercise judgment before opening attachments, clicking on links, or replying.

Hi all,

I wanted to provide an update that the environmental isolates recovered from both water and sediment samples at each Sycamore Pool (including sediment collected 7/17), CCNC, and 5 Mile locations have now been confirmed as Shiga toxin-producing *Escherichia coli* O157:H7 and are positive for *stx2* genes.

An update from our PulseNet colleagues is the clinical isolates and these environmental isolates are related by WGS within 0-2 allele differences.

As previously mentioned, *E. coli* O157 was not isolated from any of the goose scat samples sent to CDC.

Sincerely,
Haley



Haley McKeel
Microbiologist
Centers for Disease Control and Prevention (CDC)
Department of Health and Human Services (HHS)
404-639-1612 (office)

From: Lamba, Katherine@CDPH <Katherine.Lamba@cdph.ca.gov>
Sent: Thursday, July 31, 2025 7:53 PM

To: McKeel, Haley (CDC/NCEZID/DFWED/EDLB) <hvw0@cdc.gov>; Miko, Shanna (CDC/NCEZID/DFWED/WDPB) <rhu6@cdc.gov>; Kahler, Amy (CDC/NCEZID/DFWED/WDPB) <ete1@cdc.gov>; Bond, Christian R@CDPH <Christian.Bond@cdph.ca.gov>; Mattioli, Mia Catharine (CDC/NCEZID/DFWED/WDPB) <kuk9@cdc.gov>; Parker, Thomas <TParker@buttecounty.net>; Beaudoin, Jarett <jbeaudoin@buttecounty.net>
Cc: Roundtree, Alexis V. (CDC/NCEZID/DFWED/WDPB) (CTR) <hzj5@cdc.gov>; Kunz, Jasen M. (CDC/NCEZID/DFWED/WDPB) <izk0@cdc.gov>; Strockbine, Nancy (CDC/NCEZID/DFWED/EDLB) <nas6@cdc.gov>; PulseNet (CDC) <pulsenet@cdc.gov>; Stainken, Cameron (CDC cdph.ca.gov) <cameron.stainken@cdph.ca.gov>; MacGurn, Amanda (CDC/NCEZID/DFWED/WDPB) <wmh9@cdc.gov>
Subject: RE: Consultation re: STEC O157 cases exposed to natural recreational water in Butte County, CA

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[REDACTED]	[REDACTED]	[REDACTED]	[REDACTED]	[REDACTED]	[REDACTED]	[REDACTED]	[REDACTED]
[REDACTED]	[REDACTED]	[REDACTED]	[REDACTED]	[REDACTED]	[REDACTED]	[REDACTED]	[REDACTED]
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[REDACTED]	[REDACTED]	[REDACTED]	[REDACTED]	[REDACTED]	[REDACTED]	[REDACTED]	[REDACTED]
[REDACTED]	[REDACTED]	[REDACTED]	[REDACTED]	[REDACTED]	[REDACTED]	[REDACTED]	[REDACTED]
[REDACTED]	[REDACTED]	[REDACTED]	[REDACTED]	[REDACTED]	[REDACTED]	[REDACTED]	[REDACTED]

Kat

Katherine Lamba, MPH (she/her)
California Department of Public Health
Phone: 510-620-3429 | Email: Katherine.Lamba@cdph.ca.gov

Confidential - Low

From: McKeel, Haley (CDC/NCEZID/DFWED/EDLB) <hvw0@cdc.gov>
Sent: Wednesday, July 30, 2025 6:40 AM
To: Miko, Shanna (CDC/NCEZID/DFWED/WDPB) <rhu6@cdc.gov>; Lamba, Katherine@CDPH <Katherine.Lamba@cdph.ca.gov>; Kahler, Amy (CDC/NCEZID/DFWED/WDPB) <ete1@cdc.gov>; Bond, Christian R@CDPH <Christian.Bond@cdph.ca.gov>; Hummadi, Omar@CDPH <Omar.Hummadi@cdph.ca.gov>; Kiang, David@CDPH

<David.Kiang@cdph.ca.gov>; Mattioli, Mia Catharine (CDC/NCEZID/DFWED/WDPB) <kuk9@cdc.gov>; Parker, Thomas <TParker@buttecounty.net>; Beaudoin, Jarett <jbeaudoin@buttecounty.net>
Cc: Roundtree, Alexis V. (CDC/NCEZID/DFWED/WDPB) (CTR) <hzi5@cdc.gov>; Kunz, Jasen M. (CDC/NCEZID/DFWED/WDPB) <izk0@cdc.gov>; Strockbine, Nancy (CDC/NCEZID/DFWED/EDLB) <nas6@cdc.gov>; PulseNet (CDC) <pulsenet@cdc.gov>; Stainken, Cameron@CDPH <Cameron.Stainken@cdph.ca.gov>; MacGurn, Amanda (CDC/NCEZID/DFWED/WDPB) <wmh9@cdc.gov>
Subject: RE: Consultation re: STEC O157 cases exposed to natural recreational water in Butte County, CA

Also adding [@PulseNet \(CDC\)](#) back to the thread for awareness. And good news - I did see all four clinical isolates on NCBI this morning. We'll be on the lookout for the shipment of goose scat samples today.

Many thanks,
Haley



Haley McKeel

Microbiologist

Centers for Disease Control and Prevention (CDC)
Department of Health and Human Services (HHS)
404-639-1612 (office)

From: Miko, Shanna (CDC/NCEZID/DFWED/WDPB) <rhu6@cdc.gov>
Sent: Wednesday, July 30, 2025 9:33 AM
To: Katherine.Lamba@cdph.ca.gov; Kahler, Amy (CDC/NCEZID/DFWED/WDPB) <ete1@cdc.gov>; McKeel, Haley (CDC/NCEZID/DFWED/EDLB) <hvw0@cdc.gov>; Christian.Bond@cdph.ca.gov; Omar.Hummadi@cdph.ca.gov; David.Kiang@cdph.ca.gov; Mattioli, Mia Catharine (CDC/NCEZID/DFWED/WDPB) <kuk9@cdc.gov>; Parker, Thomas <TParker@buttecounty.net>; Beaudoin, Jarett <jbeaudoin@buttecounty.net>; Miko, Shanna (CDC/NCEZID/DFWED/WDPB) <rhu6@cdc.gov>
Cc: Roundtree, Alexis V. (CDC/NCEZID/DFWED/WDPB) (CTR) <hzi5@cdc.gov>; Kunz, Jasen M. (CDC/NCEZID/DFWED/WDPB) <izk0@cdc.gov>; Strockbine, Nancy (CDC/NCEZID/DFWED/EDLB) <nas6@cdc.gov>; Stainken, Cameron (CDC cdph.ca.gov) <cameron.stainken@cdph.ca.gov>; MacGurn, Amanda (CDC/NCEZID/DFWED/WDPB) <wmh9@cdc.gov>
Subject: RE: Consultation re: STEC O157 cases exposed to natural recreational water in Butte County, CA

Adding [@Miko, Shanna \(CDC/NCEZID/DFWED/WDPB\)](#) back to thread for outbreak coordination POC, I think I fell off when on leave.

From: Kunz, Jasen M. (CDC/NCEZID/DFWED/WDPB) <izk0@cdc.gov>
Sent: Tuesday, July 29, 2025 4:32 PM
To: Miko, Shanna (CDC/NCEZID/DFWED/WDPB) <rhu6@cdc.gov>
Subject: Fw: Consultation re: STEC O157 cases exposed to natural recreational water in Butte County, CA

Looks like your name was left off.

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From: Wais, Ashley <AWais@buttecounty.net>
Sent: Tuesday, July 29, 2025 3:32:05 PM
To:
Cc:
Subject: RE: Consultation re: STEC O157 cases exposed to natural recreational water in Butte County, CA

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Thank you Amy and CDC team for this update. We greatly appreciate the quick response! The goose scat samples should arrive at CDC tomorrow.

Thank you again,

Ashley Wais, MPH, CIC®

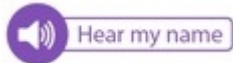
Epidemiologist

[BUTTE COUNTY PUBLIC HEALTH](#)

[202 Mira Loma Drive | Oroville, CA 95965](#)

T: [530-552-3950](#) | M: [530-300-4166](#)

<https://www.buttecounty.net/610/Public-Health>



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From: Lamba, Katherine@CDPH <Katherine.Lamba@cdph.ca.gov>

Sent: Tuesday, July 29, 2025 12:27 PM

To: Kahler, Amy (CDC/NCEZID/DFWED/WDPB) <ete1@cdc.gov>; McKeel, Haley (CDC/NCEZID/DFWED/EDLB) <hvw0@cdc.gov>; Wais, Ashley <AWais@buttecounty.net>; Bond, Christian R@CDPH <Christian.Bond@cdph.ca.gov>; Hummadi, Omar@CDPH <Omar.Hummadi@cdph.ca.gov>; Kiang, David@CDPH <David.Kiang@cdph.ca.gov>; Mattioli, Mia Catharine (CDC/NCEZID/DFWED/WDPB) <kuk9@cdc.gov>; Parker, Thomas <TParker@buttecounty.net>

Cc: Roundtree, Alexis V. (CDC/NCEZID/DFWED/WDPB) (CTR) <hzi5@cdc.gov>; Kunz, Jasen M. (CDC/NCEZID/DFWED/WDPB) <izk0@cdc.gov>; Strockbine, Nancy (CDC/NCEZID/DFWED/EDLB) <nas6@cdc.gov>; Stainken, Cameron@CDPH <Cameron.Stainken@cdph.ca.gov>

Subject: RE: Consultation re: STEC O157 cases exposed to natural recreational water in Butte County, CA

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Wow- BIG thank you to the CDC team for the support and the quick laboratory testing!

Quick update on CDPH end- the first 4 isolates sequenced have been given PulseNet cluster code [REDACTED] (no other isolates included in that cluster). Only 1 of the isolates ([REDACTED]) has shown up in NCBI so far and I've been in communication with PulseNet and our lab to sort out some submission/NCBI upload issues.

Kat

Katherine Lamba, MPH (she/her)

California Department of Public Health

Phone: 510-620-3429 | Email: Katherine.Lamba@cdph.ca.gov

Confidential - Low

From: Kahler, Amy (CDC/NCEZID/DFWED/WDPB) <ete1@cdc.gov>

Sent: Tuesday, July 29, 2025 12:16 PM

To: McKeel, Haley (CDC/NCEZID/DFWED/EDLB) <hvw0@cdc.gov>; Wais, Ashley <AWais@buttecounty.net>; Bond, Christian R@CDPH <Christian.Bond@cdph.ca.gov>; Hummadi, Omar@CDPH <Omar.Hummadi@cdph.ca.gov>; Kiang, David@CDPH <David.Kiang@cdph.ca.gov>; Mattioli, Mia Catharine (CDC/NCEZID/DFWED/WDPB) <kuk9@cdc.gov>; Lamba, Katherine@CDPH <Katherine.Lamba@cdph.ca.gov>; Parker, Thomas <TParker@buttecounty.net>

Cc: Roundtree, Alexis V. (CDC/NCEZID/DFWED/WDPB) (CTR) <hzi5@cdc.gov>; Kunz, Jasen M.

(CDC/NCEZID/DFWED/WDPB) <izk0@cdc.gov>; Strockbine, Nancy (CDC/NCEZID/DFWED/EDLB) <nas6@cdc.gov>;

Stainken, Cameron@CDPH <Cameron.Stainken@cdph.ca.gov>

Subject: RE: Consultation re: STEC O157 cases exposed to natural recreational water in Butte County, CA

Hi all,

We wanted to provide a few updates on the progress of environmental testing at CDC. Samples arrived in great condition on Friday and we started processing ASAP. We have detected presumptive-positive O157 isolates that are stx1-negative and stx2-positive from the following sites/samples:

- Sycamore pool water and sediment collected 7/24. There are signs that the sediment collected on 7/17 may also be positive, but our work on those isolates is still pending.
- CCNC water and sediment samples.
- 5 Mile water and sediment samples.

No O157 was detected from the Horeshoe Lake and Alligator Hole sites. We have handed off the presumptive-positive isolates to the Enteric Disease Laboratory Branch for complete workup and confirmation of these preliminary results. We'll also be conducting microbial source tracking PCR for human, ruminant, and bird markers and will follow up with those results as soon as we have them.

Thanks all,
Amy

From: McKeel, Haley (CDC/NCEZID/DFWED/EDLB) <hvw0@cdc.gov>

Sent: Friday, July 25, 2025 9:47 PM

To: Wais, Ashley <AWais@buttecounty.net>; 'Bond, Christian R@CDPH' <Christian.Bond@cdph.ca.gov>; Hummadi, Omar@CDPH <Omar.Hummadi@cdph.ca.gov>; Kiang, David@CDPH <David.Kiang@cdph.ca.gov>; Mattioli, Mia Catharine (CDC/NCEZID/DFWED/WDPB) <kuk9@cdc.gov>; Lamba, Katherine@CDPH <Katherine.Lamba@cdph.ca.gov>; Parker, Thomas <TParker@buttecounty.net>

Cc: Kahler, Amy (CDC/NCEZID/DFWED/WDPB) <ete1@cdc.gov>; Roundtree, Alexis V. (CDC/NCEZID/DFWED/WDPB)

(CTR) <hzi5@cdc.gov>; Kunz, Jasen M. (CDC/NCEZID/DFWED/WDPB) <izk0@cdc.gov>; Strockbine, Nancy

(CDC/NCEZID/DFWED/EDLB) <nas6@cdc.gov>; Stainken, Cameron (CDC cdph.ca.gov) <cameron.stainken@cdph.ca.gov>

Subject: RE: Consultation re: STEC O157 cases exposed to natural recreational water in Butte County, CA

Hi Ashley,

Thank you for the update and apologies for the delay in responding as I was out of the office today. The Enteric Diseases Laboratory Branch at CDC has capacity to test the geese scat samples; although, the total number may depend on available resources.

The specimens can be shipped to CDC under test order [CDC-10106 | Enteric Isolation - Primary Specimen - Non-CLIA](#) at the following address:

Attn: Haley McKeel
Centers for Disease Control and Prevention
RDSB/STATT Unit 129
1600 Clifton Road, NE
Atlanta, GA 30329
404-639-1612

As a note, all samples must be shipped in accordance with all applicable local, state, and federal regulations. Please ship for next day arrival and include ice packs in the shipment to keep the specimens cool during transit. The CDC website has some additional information regarding packing and shipping specimens: [CDC Fact Sheet](#).

I've attached a copy of our global file accessioning template that will need to be returned by email ahead of the shipment's arrival at CDC. I've prepopulated several of the fields as well as hidden many of the columns to hopefully make it easier to complete. Please populate any relevant columns (including a unique specimen ID (Column BE) for each sample collected) on the Animal tab as well as the Submitter tab with the Butte County information. Any information about the collection sites that are unique between samples would be helpful to note either in the Comments field (column FC) or in the orange Field Collection section.

Please let me know if you have any questions. I'll be back in the office on Tuesday but will be monitoring emails periodically until then as well.

Sincerely,
Haley



Haley McKeel
Microbiologist
Centers for Disease Control and Prevention (CDC)
Department of Health and Human Services (HHS)
404-639-1612 (office)

From: Wais, Ashley <AWais@buttecounty.net>
Sent: Friday, July 25, 2025 2:31 PM
To: 'Bond, Christian R@CDPH' <Christian.Bond@cdph.ca.gov>; Hummadi, Omar@CDPH <Omar.Hummadi@cdph.ca.gov>; Kiang, David@CDPH <David.Kiang@cdph.ca.gov>; Mattioli, Mia Catharine (CDC/NCEZID/DFWED/WDPB) <kuk9@cdc.gov>; Lamba, Katherine@CDPH <Katherine.Lamba@cdph.ca.gov>; Parker, Thomas <TParker@buttecounty.net>; McKeel, Haley (CDC/NCEZID/DFWED/EDLB) <hvw0@cdc.gov>
Cc: Kahler, Amy (CDC/NCEZID/DFWED/WDPB) <ete1@cdc.gov>; Roundtree, Alexis V. (CDC/NCEZID/DFWED/WDPB) (CTR) <hzi5@cdc.gov>; Kunz, Jasen M. (CDC/NCEZID/DFWED/WDPB) <izk0@cdc.gov>; Stainken, Cameron (CDC cdph.ca.gov) <cameron.stainken@cdph.ca.gov>
Subject: RE: Consultation re: STEC O157 cases exposed to natural recreational water in Butte County, CA

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Hi all-

I spoke with Christian over the phone to discuss the goose scat sample testing. During our discussion, it was decided that it would be best to send the samples over to the CDC lab due to staffing issues at the CDPH lab. I also spoke with Mia and it seems like the CDC lab does have capacity to test those samples. We collected a total of 9 goose scat samples in Cary Blair Transport Medium.

CDC: Please share what location these samples should be shipped to and any other pertinent details (I am assuming these should be shipped with ice packs?). We were not planning on shipping until Monday.

Thank you all for your support with this endeavor. It is greatly appreciated.

Kindly,

Ashley Wais, MPH, CIC®

Epidemiologist

[BUTTE COUNTY PUBLIC HEALTH](#)

[202 Mira Loma Drive | Oroville, CA 95965](#)

T: [530-552-3950](#) | M: [530-300-4166](#)

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From: Bond, Christian R@CDPH <Christian.Bond@cdph.ca.gov>

Sent: Friday, July 25, 2025 10:57 AM

To: Wais, Ashley <AWais@buttecounty.net>; Hummadi, Omar@CDPH <Omar.Hummadi@cdph.ca.gov>; Kiang, David@CDPH <David.Kiang@cdph.ca.gov>; Mattioli, Mia Catharine (CDC/NCEZID/DFWED/WDPB) <kuk9@cdc.gov>; Lamba, Katherine@CDPH <Katherine.Lamba@cdph.ca.gov>; Parker, Thomas <TParker@buttecounty.net>; McKeel, Haley (CDC/NCEZID/DFWED/EDLB) <hvw0@cdc.gov>

Cc: Kahler, Amy (CDC/NCEZID/DFWED/WDPB) <ete1@cdc.gov>; Roundtree, Alexis V. (CDC/NCEZID/DFWED/WDPB) (CTR) <hzi5@cdc.gov>; Kunz, Jasen M. (CDC/NCEZID/DFWED/WDPB) <izk0@cdc.gov>; Stainken, Cameron@CDPH <Cameron.Stainken@cdph.ca.gov>

Subject: RE: Consultation re: STEC O157 cases exposed to natural recreational water in Butte County, CA

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Hi Ashley,

My team is extremely short-staffed next week due to other assignments, and we will not have personnel to receive samples on either Tuesday or Wednesday. Would it be possible to send a team member to handoff the samples to my team at a midpoint on Monday morning? Maybe somewhere in Yuba City or Marysville?

Christian Bond
Chief, Emergency Response Unit
California Department of Public Health
(916) 612-3625

Confidential - Low

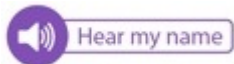
From: Wais, Ashley <AWais@buttecounty.net>
Sent: Friday, July 25, 2025 10:48 AM
To: Hummadi, Omar@CDPH <Omar.Hummadi@cdph.ca.gov>; Kiang, David@CDPH <David.Kiang@cdph.ca.gov>; Mattioli, Mia Catharine (CDC/NCEZID/DFWED/WDPB) <kuk9@cdc.gov>; Lamba, Katherine@CDPH <Katherine.Lamba@cdph.ca.gov>; Parker, Thomas <TParker@buttecounty.net>; McKeel, Haley (CDC/NCEZID/DFWED/EDLB) <hvw0@cdc.gov>
Cc: Kahler, Amy (CDC/NCEZID/DFWED/WDPB) <ete1@cdc.gov>; Roundtree, Alexis V. (CDC/NCEZID/DFWED/WDPB) (CTR) <hzy5@cdc.gov>; Kunz, Jasen M. (CDC/NCEZID/DFWED/WDPB) <izk0@cdc.gov>; Stainken, Cameron@CDPH <Cameron.Stainken@cdph.ca.gov>; Bond, Christian R@CDPH <Christian.Bond@cdph.ca.gov>
Subject: Re: Consultation re: STEC O157 cases exposed to natural recreational water in Butte County, CA

You don't often get email from awais@buttecounty.net. [Learn why this is important](#)

Hi Omar,
Thank you for the update. We do not plan to ship until Monday. I will let our lab know we are waiting for more details from CDPH regarding shipping method.

Thank you,

Ashley Wais, MPH, CIC®
Epidemiologist
[BUTTE COUNTY PUBLIC HEALTH](#)
[202 Mira Loma Drive | Oroville, CA 95965](#)
T: [530-552-3950](tel:530-552-3950) | M: [530-300-4166](tel:530-300-4166)
<https://www.buttecounty.net/610/Public-Health>



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From: Hummadi, Omar@CDPH <Omar.Hummadi@cdph.ca.gov>

Sent: Friday, July 25, 2025 10:26 AM

To: Wais, Ashley <AWais@buttecounty.net>; Kiang, David@CDPH <David.Kiang@cdph.ca.gov>; Mattioli, Mia Catharine (CDC/NCEZID/DFWED/WDPB) <kuk9@cdc.gov>; Lamba, Katherine@CDPH <Katherine.Lamba@cdph.ca.gov>; Parker, Thomas <TParker@buttecounty.net>; McKeel, Haley (CDC/NCEZID/DFWED/EDLB) <hvw0@cdc.gov>

Cc: Kahler, Amy (CDC/NCEZID/DFWED/WDPB) <ete1@cdc.gov>; Roundtree, Alexis V. (CDC/NCEZID/DFWED/WDPB) (CTR) <hjz5@cdc.gov>; Kunz, Jasen M. (CDC/NCEZID/DFWED/WDPB) <izk0@cdc.gov>; Stainken, Cameron@CDPH <Cameron.Stainken@cdph.ca.gov>; Bond, Christian R@CDPH <Christian.Bond@cdph.ca.gov>

Subject: RE: Consultation re: STEC O157 cases exposed to natural recreational water in Butte County, CA

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Hi Ashley,

You are welcome! Please hold off on shipping the samples until I get a confirmation from Christian bond regarding the sample's delivery method.

Yes, ship the samples with ice packs and Butte County PHL chain of custody forms it's perfectly fine 👍

Regards,

Omar Hummadi
Senior Environmental Scientist Specialist
CDPH - FDB - ERU

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From: Wais, Ashley <AWais@buttecounty.net>

Sent: Friday, July 25, 2025 10:05 AM

To: Hummadi, Omar@CDPH <Omar.Hummadi@cdph.ca.gov>; Kiang, David@CDPH <David.Kiang@cdph.ca.gov>; Mattioli, Mia Catharine (CDC/NCEZID/DFWED/WDPB) <kuk9@cdc.gov>; Lamba, Katherine@CDPH <Katherine.Lamba@cdph.ca.gov>; Parker, Thomas <TParker@buttecounty.net>; McKeel, Haley (CDC/NCEZID/DFWED/EDLB) <hvw0@cdc.gov>

Cc: Kahler, Amy (CDC/NCEZID/DFWED/WDPB) <ete1@cdc.gov>; Roundtree, Alexis V. (CDC/NCEZID/DFWED/WDPB) (CTR) <hjz5@cdc.gov>; Kunz, Jasen M. (CDC/NCEZID/DFWED/WDPB) <izk0@cdc.gov>; Stainken, Cameron@CDPH <Cameron.Stainken@cdph.ca.gov>; Bond, Christian R@CDPH <Christian.Bond@cdph.ca.gov>

Subject: RE: Consultation re: STEC O157 cases exposed to natural recreational water in Butte County, CA

Hi Omar,

Thank you for the update. Should the shipment be on ice packs? Is there any other details we should be aware of? Butte County PHL has their own chain of custody forms. Is it ok to use those?

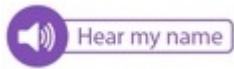
Thank you,

Ashley Wais, MPH, CIC®

Epidemiologist

[BUTTE COUNTY PUBLIC HEALTH](#)
[202 Mira Loma Drive | Oroville, CA 95965](#)

T: [530-552-3950](tel:530-552-3950) | M: [530-300-4166](tel:530-300-4166)



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From: Hummadi, Omar@CDPH <Omar.Hummadi@cdph.ca.gov>

Sent: Friday, July 25, 2025 7:27 AM

To: Wais, Ashley <AWais@buttecounty.net>; Kiang, David@CDPH <David.Kiang@cdph.ca.gov>; Mattioli, Mia Catharine (CDC/NCEZID/DFWED/WDPB) <kuk9@cdc.gov>; Lamba, Katherine@CDPH <Katherine.Lamba@cdph.ca.gov>; Parker, Thomas <TParker@buttecounty.net>; McKeel, Haley (CDC/NCEZID/DFWED/EDLB) <hvw0@cdc.gov>

Cc: Kahler, Amy (CDC/NCEZID/DFWED/WDPB) <ete1@cdc.gov>; Roundtree, Alexis V. (CDC/NCEZID/DFWED/WDPB) (CTR) <hzy5@cdc.gov>; Kunz, Jasen M. (CDC/NCEZID/DFWED/WDPB) <izk0@cdc.gov>; Stainken, Cameron@CDPH <Cameron.Stainken@cdph.ca.gov>; Bond, Christian R@CDPH <Christian.Bond@cdph.ca.gov>

Subject: RE: Consultation re: STEC O157 cases exposed to natural recreational water in Butte County, CA

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Good morning, everyone!

Ashley - Ship the samples to Christian Bond at:

California Department of Public Health
Food and Drug Branch
1500 Capitol Ave MS 7602
Sacramento, CA, 95814

Note: Please make sure to include all the chain of custody forms/documents.

Happy Friday!

Regards,

Omar Hummadi
Senior Environmental Scientist
Foodborne Illness Outbreak Specialist
Desk Phone: 916-319-9661
Cell phone: 916-591-1374
Fax number: 916-636-6013
E-mail: Omar.Hummadi@cdph.ca.gov

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From: Wais, Ashley <AWais@buttecounty.net>

Sent: Friday, July 25, 2025 7:04 AM

To: Kiang, David@CDPH <David.Kiang@cdph.ca.gov>; Mattioli, Mia Catharine (CDC/NCEZID/DFWED/WDPB) <kuk9@cdc.gov>; Lamba, Katherine@CDPH <Katherine.Lamba@cdph.ca.gov>; Parker, Thomas <TParker@buttecounty.net>; McKeel, Haley (CDC/NCEZID/DFWED/EDLB) <hvw0@cdc.gov>; Hummadi, Omar@CDPH <Omar.Hummadi@cdph.ca.gov>

Cc: Kahler, Amy (CDC/NCEZID/DFWED/WDPB) <ete1@cdc.gov>; Roundtree, Alexis V. (CDC/NCEZID/DFWED/WDPB) (CTR) <hzi5@cdc.gov>; Kunz, Jasen M. (CDC/NCEZID/DFWED/WDPB) <izk0@cdc.gov>; Stainken, Cameron@CDPH <Cameron.Stainken@cdph.ca.gov>; Bond, Christian R@CDPH <Christian.Bond@cdph.ca.gov>

Subject: Re: Consultation re: STEC O157 cases exposed to natural recreational water in Butte County, CA

Hi Dr. Kiang,

Thank you for this update. We collected goose scat in the tubes with Cary Blair. We should have no more than 10 samples. What is the process for sending to CDPH? Do you usually receive shipments from our Butte County PHL. I just wanted to check in case there is already a process in place we can use.

Thank you,

Ashley Wais, MPH, CIC®

Epidemiologist

[BUTTE COUNTY PUBLIC HEALTH](#)

[202 Mira Loma Drive | Oroville, CA 95965](#)

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From: Kiang, David@CDPH <David.Kiang@cdph.ca.gov>

Sent: Thursday, July 24, 2025 5:40 PM

To: Mattioli, Mia Catharine (CDC/NCEZID/DFWED/WDPB) <kuk9@cdc.gov>; Lamba, Katherine@CDPH <Katherine.Lamba@cdph.ca.gov>; Wais, Ashley <AWais@buttecounty.net>; Parker, Thomas <TParker@buttecounty.net>; McKeel, Haley (CDC/NCEZID/DFWED/EDLB) <hvw0@cdc.gov>; Hummadi, Omar@CDPH <Omar.Hummadi@cdph.ca.gov>

Cc: Kahler, Amy (CDC/NCEZID/DFWED/WDPB) <ete1@cdc.gov>; Roundtree, Alexis V. (CDC/NCEZID/DFWED/WDPB) (CTR) <hzi5@cdc.gov>; Kunz, Jasen M. (CDC/NCEZID/DFWED/WDPB) <izk0@cdc.gov>; Stainken, Cameron@CDPH

<Cameron.Stainken@cdph.ca.gov>; Bond, Christian R@CDPH <Christian.Bond@cdph.ca.gov>; Kiang, David@CDPH <David.Kiang@cdph.ca.gov>

Subject: RE: Consultation re: STEC O157 cases exposed to natural recreational water in Butte County, CA

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Hi Mia,

If they don't have bags, the preference is to collect them as is in the 50 ml conicals. If they're already collected in Cary Blair, It's fine, we can still take them.

Thanks,
David

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From: Mattioli, Mia Catharine (CDC/NCEZID/DFWED/WDPB) <kuk9@cdc.gov>

Sent: Thursday, July 24, 2025 12:35 PM

To: Kiang, David@CDPH <David.Kiang@cdph.ca.gov>; Lamba, Katherine@CDPH <Katherine.Lamba@cdph.ca.gov>; Wais, Ashley <AWais@buttecounty.net>; Parker, Thomas <TParker@buttecounty.net>; McKeel, Haley (CDC/NCEZID/DFWED/EDLB) <hvw0@cdc.gov>; Hummadi, Omar@CDPH <Omar.Hummadi@cdph.ca.gov>

Cc: Kahler, Amy (CDC/NCEZID/DFWED/WDPB) <ete1@cdc.gov>; Roundtree, Alexis V. (CDC/NCEZID/DFWED/WDPB) (CTR) <hzi5@cdc.gov>; Kunz, Jasen M. (CDC/NCEZID/DFWED/WDPB) <izk0@cdc.gov>; Stainken, Cameron@CDPH <Cameron.Stainken@cdph.ca.gov>; Bond, Christian R@CDPH <Christian.Bond@cdph.ca.gov>; Kiang, David@CDPH <David.Kiang@cdph.ca.gov>

Subject: Re: Consultation re: STEC O157 cases exposed to natural recreational water in Butte County, CA

Hi David,

Thanks so much. Unfortunately, the team doesn't have the bags and snips with them in the field. Will you accept them in Cary Blair? If not, they can send the CDC enterics lab.

Thanks!

Mia

Mia Catharine Mattioli
Environmental Engineer
Centers for Disease Control and Prevention (CDC)
Department of Health and Human Services (HHS)
Office: 404-718-5643

From: Kiang, David@CDPH <David.Kiang@cdph.ca.gov>

Sent: Thursday, July 24, 2025 2:51:14 PM

To: Lamba, Katherine@CDPH <Katherine.Lamba@cdph.ca.gov>; Mattioli, Mia Catharine (CDC/NCEZID/DFWED/WDPB) <kuk9@cdc.gov>; Wais, Ashley <AWais@buttecounty.net>; Parker, Thomas <TParker@buttecounty.net>; McKeel, Haley (CDC/NCEZID/DFWED/EDLB) <hvw0@cdc.gov>; Hummadi, Omar@CDPH <Omar.Hummadi@cdph.ca.gov>

Cc: Kahler, Amy (CDC/NCEZID/DFWED/WDPB) <ete1@cdc.gov>; Roundtree, Alexis V. (CDC/NCEZID/DFWED/WDPB) (CTR) <hj5@cdc.gov>; Kunz, Jasen M. (CDC/NCEZID/DFWED/WDPB) <izk0@cdc.gov>; Stainken, Cameron (CDC cdpH.ca.gov) <cameron.stainken@cdph.ca.gov>; Bond, Christian R@CDPH <Christian.Bond@cdph.ca.gov>; Kiang, David@CDPH <David.Kiang@cdph.ca.gov>

Subject: RE: Consultation re: STEC O157 cases exposed to natural recreational water in Butte County, CA

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Hi Kat,

We'd recommend collecting the scat directly into the Whirl-Pak bags using sterile scoops or spatulas as outlined by Omar in the email below and transporting to the FDB on ice packs. We prefer not to have them transported in Cary Blair.

Thanks,
David

David Kiang, PH.D.
Microbiology Section Chief
Food and Drug Laboratory Branch
California Department of Public Health
850 Marina Bay Parkway, G365
Richmond, CA 94804
(510) 412-3963
david.kiang@cdph.ca.gov



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From: Lamba, Katherine@CDPH <Katherine.Lamba@cdph.ca.gov>
Sent: Thursday, July 24, 2025 11:38 AM
To: Mattioli, Mia Catharine (CDC/NCEZID/DFWED/WDPB) <kuk9@cdc.gov>; Wais, Ashley <AWais@buttecounty.net>; Parker, Thomas <TParker@buttecounty.net>; McKeel, Haley (CDC/NCEZID/DFWED/EDLB) <hvw0@cdc.gov>; Hummadi, Omar@CDPH <Omar.Hummadi@cdph.ca.gov>; Kiang, David@CDPH <David.Kiang@cdph.ca.gov>
Cc: Kahler, Amy (CDC/NCEZID/DFWED/WDPB) <ete1@cdc.gov>; Roundtree, Alexis V. (CDC/NCEZID/DFWED/WDPB) (CTR) <hzi5@cdc.gov>; Kunz, Jasen M. (CDC/NCEZID/DFWED/WDPB) <izk0@cdc.gov>; Stainken, Cameron@CDPH <Cameron.Stainken@cdph.ca.gov>; Bond, Christian R@CDPH <Christian.Bond@cdph.ca.gov>
Subject: RE: Consultation re: STEC O157 cases exposed to natural recreational water in Butte County, CA

Hi Mia,

We have some folks out of the office today, so including @Hummadi, Omar@CDPH and @Kiang, David (CDPH-PS-DFDRS-FDLB) from Food and Drug and Food and Drug lab directly to advise which of the containers below for goose scat testing.

Kat

Katherine Lamba, MPH (she/her)
California Department of Public Health
Phone: 510-620-3429 | Email: Katherine.Lamba@cdph.ca.gov

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From: Mattioli, Mia Catharine (CDC/NCEZID/DFWED/WDPB) <kuk9@cdc.gov>
Sent: Thursday, July 24, 2025 11:30 AM
To: Lamba, Katherine@CDPH <Katherine.Lamba@cdph.ca.gov>; Wais, Ashley <AWais@buttecounty.net>; Parker, Thomas <TParker@buttecounty.net>; McKeel, Haley (CDC/NCEZID/DFWED/EDLB) <hvw0@cdc.gov>
Cc: Kahler, Amy (CDC/NCEZID/DFWED/WDPB) <ete1@cdc.gov>; Roundtree, Alexis V. (CDC/NCEZID/DFWED/WDPB) (CTR) <hzi5@cdc.gov>; Kunz, Jasen M. (CDC/NCEZID/DFWED/WDPB) <izk0@cdc.gov>; Stainken, Cameron@CDPH <Cameron.Stainken@cdph.ca.gov>; Bond, Christian R@CDPH <Christian.Bond@cdph.ca.gov>
Subject: RE: Consultation re: STEC O157 cases exposed to natural recreational water in Butte County, CA

Hi Ashley,

Thanks so much for sending this info! Ashley is out into the field with two 50-ml falcon tubes (empty) and ten 30-ml tubes filled with 15-ml of Cary Blair since that's what the CDC enterics lab recommended.

Which would you prefer she collect samples in for the scat testing?

Thanks!

Mia

Mia Catharine Mattioli
Environmental Engineer
Centers for Disease Control and Prevention (CDC)
Department of Health and Human Services (HHS)
Office: (404) 718-5643

From: Lamba, Katherine@CDPH <Katherine.Lamba@cdph.ca.gov>

Sent: Thursday, July 24, 2025 1:09 PM

To: Wais, Ashley <AWais@buttecounty.net>; Mattioli, Mia Catharine (CDC/NCEZID/DFWED/WDPB) <kuk9@cdc.gov>; Parker, Thomas <TParker@buttecounty.net>; McKeel, Haley (CDC/NCEZID/DFWED/EDLB) <hvw0@cdc.gov>

Cc: Kahler, Amy (CDC/NCEZID/DFWED/WDPB) <ete1@cdc.gov>; Roundtree, Alexis V. (CDC/NCEZID/DFWED/WDPB) (CTR) <hzi5@cdc.gov>; Kunz, Jasen M. (CDC/NCEZID/DFWED/WDPB) <izk0@cdc.gov>; Stainken, Cameron (CDC cdph.ca.gov) <cameron.stainken@cdph.ca.gov>; Bond, Christian R@CDPH <Christian.Bond@cdph.ca.gov>

Subject: RE: Consultation re: STEC O157 cases exposed to natural recreational water in Butte County, CA

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Hi Ashley,

Apologies for the delay. Sharing a few updates after gathering some additional information from our EH and lab folks:

- Goose feces samples can be tested by the CDPH Food and Drug Laboratory Branch. At this time they have capacity to test 10-20 goose feces samples
- Supplies needed for collection:
 - Sterile disposable spatulas or scoop.
 - Sterile 24 oz or 55 oz Whirl-Pak Bags.
 - Gloves.
- Ship the samples along with sealed controls of all the collection supplies that were used, with ice packs (optional) to the below address. The samples will be shipped to the CDPH Food and Drug Branch for logging before forwarded to the laboratory.
- Shipping: Please ship the samples to Christian Bond at:
California Department of Public Health
Food and Drug Branch
1500 Capitol Ave MS 7602
Sacramento, CA, 95814

Please let me know if you have additional questions for our EH/lab team at this time.

Thanks,
Kat

Katherine Lamba, MPH (she/her)
California Department of Public Health
Phone: 510-620-3429 | Email: Katherine.Lamba@cdph.ca.gov

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From: Wais, Ashley <AWais@buttecounty.net>

Sent: Wednesday, July 23, 2025 9:27 AM

To: Lamba, Katherine@CDPH <Katherine.Lamba@cdph.ca.gov>; Mattioli, Mia Catharine (CDC/NCEZID/DFWED/WDPB) <kuk9@cdc.gov>; Parker, Thomas <TParker@buttecounty.net>; McKeel, Haley (CDC/NCEZID/DFWED/EDLB) <hvw0@cdc.gov>

Cc: Kahler, Amy (CDC/NCEZID/DFWED/WDPB) <ete1@cdc.gov>; Roundtree, Alexis V. (CDC/NCEZID/DFWED/WDPB)

(CTR) <hzy5@cdc.gov>; Kunz, Jasen M. (CDC/NCEZID/DFWED/WDPB) <izk0@cdc.gov>

Subject: RE: Consultation re: STEC O157 cases exposed to natural recreational water in Butte County, CA

Hi Kat,

Thank you for this update.

If we could have a list of the supplies that would be needed to collect the samples, I can check with our lab to see if we have them.

Thank you,

Ashley Wais, MPH, CIC®

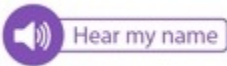
Epidemiologist

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From: Lamba, Katherine@CDPH <Katherine.Lamba@cdph.ca.gov>

Sent: Wednesday, July 23, 2025 9:13 AM

To: Mattioli, Mia Catharine (CDC/NCEZID/DFWED/WDPB) <kuk9@cdc.gov>; Wais, Ashley <AWais@buttecounty.net>; Parker, Thomas <TParker@buttecounty.net>; McKeel, Haley (CDC/NCEZID/DFWED/EDLB) <hvw0@cdc.gov>

Cc: Kahler, Amy (CDC/NCEZID/DFWED/WDPB) <ete1@cdc.gov>; Roundtree, Alexis V. (CDC/NCEZID/DFWED/WDPB) (CTR) <hzy5@cdc.gov>; Kunz, Jasen M. (CDC/NCEZID/DFWED/WDPB) <izk0@cdc.gov>

Subject: RE: Consultation re: STEC O157 cases exposed to natural recreational water in Butte County, CA

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Hi all,

We have capacity at one of our labs for the goose scat testing at CDPH (Food and Drug lab)- I will check with a 2nd (MDL) as well and loop in the appropriate folks regarding # of samples they have capacity to test at this time.

@Wais, Ashley and team, will you need collection supplies? Will get back to you soon with additional information.

Kat

Katherine Lamba, MPH (she/her)

California Department of Public Health

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From: Mattioli, Mia Catharine (CDC/NCEZID/DFWED/WDPB) <kuk9@cdc.gov>

Sent: Wednesday, July 23, 2025 7:49 AM

To: Wais, Ashley <AWais@buttecounty.net>; Parker, Thomas <TParker@buttecounty.net>; McKeel, Haley (CDC/NCEZID/DFWED/EDLB) <hvw0@cdc.gov>; Lamba, Katherine@CDPH <Katherine.Lamba@cdph.ca.gov>

Cc: Kahler, Amy (CDC/NCEZID/DFWED/WDPB) <ete1@cdc.gov>; Roundtree, Alexis V. (CDC/NCEZID/DFWED/WDPB) (CTR) <hzi5@cdc.gov>; Kunz, Jasen M. (CDC/NCEZID/DFWED/WDPB) <izk0@cdc.gov>

Subject: RE: Consultation re: STEC O157 cases exposed to natural recreational water in Butte County, CA

Hi Ashley,

Thanks so much for bringing this up! Unfortunately, our lab can't do the animal fecal the testing, but I thought on the call CDPH lab said they could do the fecal testing similar to Lake Wildwood. [@Lamba, Katherine@CDPH](#), would you be able to check with your lab about the animal fecal testing?

If CDPH is unavailable, CDC enterics may be able to support, but I believe they have limited capacity and need samples collected in transport media (Cary Blair). [@McKeel, Haley \(CDC/NCEZID/DFWED/EDLB\)](#) is that correct?

For scat sampling supplies, we only sent the new plastic tarp I mentioned that is helpful for goose scat if you see a flock when sampling. You can bring crackers to lure them to the tarp, but it can be tricky as you would imagine.

Let me know if helpful to discuss further!

Mia

Mia Catharine Mattioli
Environmental Engineer
Centers for Disease Control and Prevention (CDC)
Department of Health and Human Services (HHS)
Office: (404) 718-5643

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From: Wais, Ashley <AWais@buttecounty.net>

Sent: Tuesday, July 22, 2025 6:57 PM

To: Parker, Thomas <TParker@buttecounty.net>; Mattioli, Mia Catharine (CDC/NCEZID/DFWED/WDPB) <kuk9@cdc.gov>

Cc: Kahler, Amy (CDC/NCEZID/DFWED/WDPB) <ete1@cdc.gov>; Roundtree, Alexis V. (CDC/NCEZID/DFWED/WDPB) (CTR) <hzi5@cdc.gov>; McKeel, Haley (CDC/NCEZID/DFWED/EDLB) <hvw0@cdc.gov>; Lamba, Katherine@CDPH <Katherine.Lamba@cdph.ca.gov>; Kunz, Jasen M. (CDC/NCEZID/DFWED/WDPB) <izk0@cdc.gov>

Subject: RE: Consultation re: STEC O157 cases exposed to natural recreational water in Butte County, CA

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Hi Mia,

Thank you for this insight. Do you have any guidance/recommendations on how to collect animal feces samples (most likely from geese, possibly cattle)? If we are successful in collecting these samples, are we able to include them in the main shipment?

Thank you,

Ashley Wais, MPH, CIC®

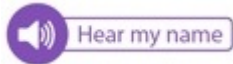
Epidemiologist

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From: Parker, Thomas <TParker@buttecounty.net>

Sent: Tuesday, July 22, 2025 2:55 PM

To: 'Mattioli, Mia Catharine (CDC/NCEZID/DFWED/WDPB)' <kuk9@cdc.gov>

Cc: Kahler, Amy (CDC/NCEZID/DFWED/WDPB) <ete1@cdc.gov>; Roundtree, Alexis V. (CDC/NCEZID/DFWED/WDPB) (CTR) <hzi5@cdc.gov>; McKeel, Haley (CDC/NCEZID/DFWED/EDLB) <hvw0@cdc.gov>; Lamba, Katherine@CDPH <Katherine.Lamba@cdph.ca.gov>; Wais, Ashley <AWais@buttecounty.net>; Kunz, Jasen M. (CDC/NCEZID/DFWED/WDPB) <izk0@cdc.gov>

Subject: RE: Consultation re: STEC O157 cases exposed to natural recreational water in Butte County, CA

Thank you for all of the information!

Thomas Parker

Program Manager, Hazardous Materials

[BUTTE COUNTY PUBLIC HEALTH](#)

[202 Mira Loma Drive | Oroville, CA 95965](#)

T: 530.552.3870 | D: [530.552.3870](tel:530.552.3870)

**Environmental Health Fees are being amended to include an ECI increase. The fees go into effect 01/01/2024..*

Please refer to our website for online payment and document submittal: [Environmental Health | Butte County, CA](#)

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From: Mattioli, Mia Catharine (CDC/NCEZID/DFWED/WDPB) <kuk9@cdc.gov>

Sent: Tuesday, July 22, 2025 2:43 PM

To: Parker, Thomas <TParker@buttecounty.net>

Cc: Kahler, Amy (CDC/NCEZID/DFWED/WDPB) <ete1@cdc.gov>; Roundtree, Alexis V. (CDC/NCEZID/DFWED/WDPB) (CTR) <hzi5@cdc.gov>; McKeel, Haley (CDC/NCEZID/DFWED/EDLB) <hvw0@cdc.gov>; Lamba, Katherine@CDPH <Katherine.Lamba@cdph.ca.gov>; Wais, Ashley <AWais@buttecounty.net>; Kunz, Jasen M. (CDC/NCEZID/DFWED/WDPB) <izk0@cdc.gov>

Subject: RE: Consultation re: STEC O157 cases exposed to natural recreational water in Butte County, CA

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Sorry for all the emails! I also meant to note that the batteries for the pump have been fully charge so should be ready to go. The pH probe will need to be calibrated in the field due to the dependence on air temperature. However, we have provided the manual and 3 standard solutions with the probe.

Thanks again!

Mia

Mia Catharine Mattioli
Environmental Engineer
Centers for Disease Control and Prevention (CDC)
Department of Health and Human Services (HHS)
Office: (404) 718-5643

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From: Mattioli, Mia Catharine (CDC/NCEZID/DFWED/WDPB)

Sent: Tuesday, July 22, 2025 5:40 PM

To: Parker, Thomas <TParker@buttecounty.net>

Cc: Kahler, Amy (CDC/NCEZID/DFWED/WDPB) <ete1@cdc.gov>; Roundtree, Alexis V. (CDC/NCEZID/DFWED/WDPB) (CTR) <hzi5@cdc.gov>; McKeel, Haley (CDC/NCEZID/DFWED/EDLB) <hvw0@cdc.gov>; Lamba, Katherine@CDPH <Katherine.Lamba@cdph.ca.gov>; Wais, Ashley <AWais@buttecounty.net>; Kunz, Jasen M. (CDC/NCEZID/DFWED/WDPB) <izk0@cdc.gov>

Subject: RE: Consultation re: STEC O157 cases exposed to natural recreational water in Butte County, CA

Apologies for not highlighting this in the quick guide. Please start sampling furthers **downstream** and move upstream. This will ensure separate parcels of water are sampled at each site from the flowing source.

Thanks again!

Mia

Mia Catharine Mattioli
Environmental Engineer
Centers for Disease Control and Prevention (CDC)
Department of Health and Human Services (HHS)
Office: (404) 718-5643

From: Mattioli, Mia Catharine (CDC/NCEZID/DFWED/WDPB)
Sent: Tuesday, July 22, 2025 5:39 PM
To: Parker, Thomas <TParker@buttecounty.net>
Cc: Kahler, Amy (CDC/NCEZID/DFWED/WDPB) <ete1@cdc.gov>; Roundtree, Alexis V. (CDC/NCEZID/DFWED/WDPB) (CTR) <hzi5@cdc.gov>; McKeel, Haley (CDC/NCEZID/DFWED/EDLB) <hvw0@cdc.gov>; Lamba, Katherine@CDPH <Katherine.Lamba@cdph.ca.gov>; Wais, Ashley <AWais@buttecounty.net>; Kunz, Jasen M. (CDC/NCEZID/DFWED/WDPB) <izk0@cdc.gov>
Subject: RE: Consultation re: STEC O157 cases exposed to natural recreational water in Butte County, CA

Hi Thomas,

The sampling supplies have been shipping and should arrive tomorrow morning (FedEx tracking number **450145173848**).

I've attached a quick guide for sampling and shipping based on our discussion on sampling sites. The shipping information back to CDC is also pasted in this email below, and of note, please ship the samples on ice (not frozen) **first overnight via FedEx**. The ice packs we have provided could not be shipped frozen so please freeze before sampling or use alternative blue ice.

I have also attached our protocol for your reference and an electronic copy of our Chain of Custody form, though both are provided as print outs on a clipboard with the sampling supplies.

Let us know as soon as you can what day you plan to sample. This will help us to plan in the labs for testing. My cell number is [REDACTED] Don't hesitate to call if you have any questions at all.

Thanks!

Mia

Mia Catharine Mattioli
Environmental Engineer
Centers for Disease Control and Prevention (CDC)
Department of Health and Human Services (HHS)
Office: (404) 718-5643

From: Parker, Thomas <TParker@buttecounty.net>
Sent: Tuesday, July 22, 2025 2:46 PM
To: Mattioli, Mia Catharine (CDC/NCEZID/DFWED/WDPB) <kuk9@cdc.gov>; Kahler, Amy (CDC/NCEZID/DFWED/WDPB) <ete1@cdc.gov>
Subject: RE: Consultation re: STEC O157 cases exposed to natural recreational water in Butte County, CA

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No worries, Mia and thanks for the response. That really helps. Will you be sending us a meter for water quality parameters (pH, temp, ect.)? I've used one in the past so I can certainly do that if it is helpful.

Thanks,

Thomas Parker
Program Manager, Hazardous Materials
[BUTTE COUNTY PUBLIC HEALTH](#)

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T: 530.552.3870 | D: [530.552.3870](#)

**Environmental Health Fees are being amended to include an ECI increase. The fees go into effect 01/01/2024..*

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From: Mattioli, Mia Catharine (CDC/NCEZID/DFWED/WDPB) <kuk9@cdc.gov>
Sent: Tuesday, July 22, 2025 11:34 AM
To: Parker, Thomas <TParker@buttecounty.net>; Kahler, Amy (CDC/NCEZID/DFWED/WDPB) <ete1@cdc.gov>
Subject: RE: Consultation re: STEC O157 cases exposed to natural recreational water in Butte County, CA

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Hi Thomas,

Apologies for the delayed response! We were shipping the supplies to you this morning. I will share the FedEx tracking number ASAP.

For the sediment, yes. That is the correct procedure to collect. Nothing fancy!

We seal the bottles (especially the sediment ones) with parafilm (provided), and then we have a sterile zip-lock bag for you to put that sediment bottle into for secondary containment. We don't use custody seals since this is non-regulatory.

I will be sending you a quick guide list of sampling sites and measurements for each site. But I'd be happy to review with you when you are done. We sincerely appreciate your thoroughness!

Mia

Mia Catharine Mattioli
Environmental Engineer
Centers for Disease Control and Prevention (CDC)
Department of Health and Human Services (HHS)
Office: (404) 718-5643

From: Parker, Thomas <TParker@buttecounty.net>
Sent: Tuesday, July 22, 2025 11:51 AM
To: Kahler, Amy (CDC/NCEZID/DFWED/WDPB) <ete1@cdc.gov>
Cc: Mattioli, Mia Catharine (CDC/NCEZID/DFWED/WDPB) <kuk9@cdc.gov>
Subject: RE: Consultation re: STEC O157 cases exposed to natural recreational water in Butte County, CA

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Hi Amy and Mia- I am finishing up my sampling plan this morning and had a few questions regarding the sediment sampling. My understanding from the phone call is that we will fill a 1 Liter bottle half full with the sediment, using a disposable scoop and drain off as much water as possible. Is this a poly bottle with a wide top or just a normal 1 liter bottle? Also, does the pack you sent contain custody seals as well? I can use tape if not. Also, after I complete my sampling plan, is there a chance one of you can do a quick review to make sure I am not missing anything or have something wrong in the process? I am trying to be as thorough as possible in case we have future sampling and I am not available.

Thanks,

Thomas Parker

Program Manager, Hazardous Materials
[BUTTE COUNTY PUBLIC HEALTH](#)
[202 Mira Loma Drive | Oroville, CA 95965](#)
T: 530.552.3870 | D: [530.552.3870](#)

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From: Kahler, Amy (CDC/NCEZID/DFWED/WDPB) <ete1@cdc.gov>
Sent: Monday, July 21, 2025 12:30 PM
To: Parker, Thomas <TParker@buttecounty.net>
Cc: Mattioli, Mia Catharine (CDC/NCEZID/DFWED/WDPB) <kuk9@cdc.gov>
Subject: RE: Consultation re: STEC O157 cases exposed to natural recreational water in Butte County, CA

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Hi Thomas,

We will send you two small-ish batteries to use. Both batteries will fit into the pump case and it will be heavy but portable. In a pinch you can also use the adapter that plugs into the cigarette lighter contraption in a car (I don't know what it's called any more). We'll send the cables for both options – although the battery option is the easiest.

Thanks,
Amy

From: Parker, Thomas <TParker@buttecounty.net>
Sent: Monday, July 21, 2025 3:24 PM
To: Kahler, Amy (CDC/NCEZID/DFWED/WDPB) <ete1@cdc.gov>
Cc: Mattioli, Mia Catharine (CDC/NCEZID/DFWED/WDPB) <kuk9@cdc.gov>
Subject: RE: Consultation re: STEC O157 cases exposed to natural recreational water in Butte County, CA

CAUTION: This email originated from outside of the organization. Do not click links or open attachments unless you recognize the sender and know the content is safe.

Thank you Amy, that is great advice. Another question for you. The peristaltic pump requires a 12-volt battery for power. Would this be a car battery or is there another smaller battery that can be used. Getting a car battery to some of these locations may be difficult.

Thanks,

Thomas Parker

Program Manager, Hazardous Materials
[BUTTE COUNTY PUBLIC HEALTH](#)
[202 Mira Loma Drive | Oroville, CA 95965](#)
T: 530.552.3870 | D: [530.552.3870](#)

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From: Kahler, Amy (CDC/NCEZID/DFWED/WDPB) <ete1@cdc.gov>

Sent: Monday, July 21, 2025 12:10 PM

To: Parker, Thomas <TParker@buttecounty.net>

Cc: Mattioli, Mia Catharine (CDC/NCEZID/DFWED/WDPB) <kuk9@cdc.gov>

Subject: RE: Consultation re: STEC O157 cases exposed to natural recreational water in Butte County, CA

ATTENTION: This message originated from outside **Butte County**. Please exercise judgment before opening attachments, clicking on links, or replying.

Hi Thomas,

Sometimes the decision about where to collect the water sample is more about the logistics of where you can access the site – so if any locations present logistical challenges in accessing the water, any sample you can take is OK! However, if you have the luxury of choice, I'd say opt for flowing water over stagnant, with one caveat. If the water is flowing too fast, you could have issues keeping the tubing submerged with all the movement. We will send tubing weights you can attach to the tubing with a zip tie to help keep the tubing submerged, but it may also help if the water isn't too turbulent to begin with. With the weights there is a bit of balancing act though. You'll want to keep watch to make sure the tubing doesn't suck up too much sediment. We like to attach the weight several inches up from the end of the tubing so that the tubing end can point up, away from the sediment. We also orient the flow so that the ultrafilter filtrate gets released downstream from the intake – if the water is stagnant, you'll want to make sure the filtrate is released far enough downstream to not disturb the intake water. You can also let the filtrate flow onto the grass/banks if that's not too messy.

Taking the sediment sample downstream of the water intake is exactly the right approach. If this isn't physically possible, you could also wait and take the sediment sample after filtration is complete.

Thanks,
Amy

From: Parker, Thomas <TParker@buttecounty.net>
Sent: Monday, July 21, 2025 2:37 PM
To: Kahler, Amy (CDC/NCEZID/DFWED/WDPB) <ete1@cdc.gov>
Subject: RE: Consultation re: STEC O157 cases exposed to natural recreational water in Butte County, CA

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Thank you, that was my thought regarding the sediment sampling but I was not sure. I scouted out a few locations during my run over the weekend which had both. And thanks for the timeline for collecting the filtered samples. I just went through that part of the protocol so that is reassuring. For the filtered samples, is there a preference between collecting in still water vs faster flowing water? I have not noticed that in the protocol yet. I plan to take the water samples upstream from the sediment samples to avoid any silt/sediment from entering the filtration.

Thanks,

Thomas Parker
Program Manager, Hazardous Materials
[BUTTE COUNTY PUBLIC HEALTH](#)
[202 Mira Loma Drive | Oroville, CA 95965](#)
T: 530.552.3870 | D: [530.552.3870](tel:530.552.3870)

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From: Kahler, Amy (CDC/NCEZID/DFWED/WDPB) <ete1@cdc.gov>
Sent: Monday, July 21, 2025 11:26 AM
To: Parker, Thomas <TParker@buttecounty.net>; Mattioli, Mia Catharine (CDC/NCEZID/DFWED/WDPB) <kuk9@cdc.gov>
Subject: RE: Consultation re: STEC O157 cases exposed to natural recreational water in Butte County, CA

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Hi Thomas,

For the sediment sampling, we recommend going for the more silty sediment, if possible. The ultrafiltration procedure takes about 30 minutes for 50-L of water from start to finish. It will take a few minutes of setup, but once the filter is running you'll get 50-L through in 15-20 minutes at a 3-4 L/min flow rate. Then a few minutes of cleanup and you're on to the next site!

Thanks,
Amy

From: Parker, Thomas <TParker@buttecounty.net>
Sent: Monday, July 21, 2025 1:06 PM
To: Mattioli, Mia Catharine (CDC/NCEZID/DFWED/WDPB) <kuk9@cdc.gov>; Kahler, Amy (CDC/NCEZID/DFWED/WDPB) <ete1@cdc.gov>
Subject: RE: Consultation re: STEC O157 cases exposed to natural recreational water in Butte County, CA

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Thank you Mia. I have just two right now since I have not been able to read the protocol yet.

1. For the sediment sampling, is there a preference between sand or silt? Or does it matter?
2. How long does it typically take to filter the 50 liters of water? I am in the pre-planning stages and need to estimate time out in the field, coupled with my upcoming vacations.

Thanks,

Thomas Parker
Program Manager, Hazardous Materials
[BUTTE COUNTY PUBLIC HEALTH](#)
[202 Mira Loma Drive | Oroville, CA 95965](#)
T: 530.552.3870 | D: [530.552.3870](tel:530.552.3870)

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From: Mattioli, Mia Catharine (CDC/NCEZID/DFWED/WDPB) <kuk9@cdc.gov>
Sent: Monday, July 21, 2025 9:56 AM
To: Parker, Thomas <TParker@buttecounty.net>; Wais, Ashley <AWais@buttecounty.net>; Lamba, Katherine@CDPH <Katherine.Lamba@cdph.ca.gov>; Miko, Shanna (CDC/NCEZID/DFWED/WDPB) <rhu6@cdc.gov>; Beaudoin, Jarett <JBeaudoin@buttecounty.net>
Cc: Stainken, Cameron (CDC cdph.ca.gov) <cameron.stainken@cdph.ca.gov>; Kahler, Amy (CDC/NCEZID/DFWED/WDPB) <ete1@cdc.gov>; Kunz, Jasen M. (CDC/NCEZID/DFWED/WDPB) <izk0@cdc.gov>; Hill, Vincent (CDC/NCEZID/DFWED/WDPB) <veh2@cdc.gov>; McKeel, Haley (CDC/NCEZID/DFWED/EDLB) <hvw0@cdc.gov>; Strockbine, Nancy (CDC/NCEZID/DFWED/EDLB) <nas6@cdc.gov>; McSpadden, Elaine <EMcspadden@buttecounty.net>
Subject: RE: Consultation re: STEC O157 cases exposed to natural recreational water in Butte County, CA

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Hi Thomas,

You can direct those questions to myself and Amy Kahler (ete1@cdc.gov). Look forward to working with you!

Mia

Mia Catharine Mattioli
Environmental Engineer
Centers for Disease Control and Prevention (CDC)
Department of Health and Human Services (HHS)
Office: (404) 718-5643

From: Parker, Thomas <TParker@buttecounty.net>

Sent: Monday, July 21, 2025 12:35 PM

To: Mattioli, Mia Catharine (CDC/NCEZID/DFWED/WDPB) <kuk9@cdc.gov>; Wais, Ashley <AWais@buttecounty.net>; Lamba, Katherine@CDPH <Katherine.Lamba@cdph.ca.gov>; Miko, Shanna (CDC/NCEZID/DFWED/WDPB) <rhu6@cdc.gov>; Beaudoin, Jarett <JBeaudoin@buttecounty.net>

Cc: Stainken, Cameron (CDC cdph.ca.gov) <cameron.stainken@cdph.ca.gov>; Kahler, Amy (CDC/NCEZID/DFWED/WDPB) <ete1@cdc.gov>; Kunz, Jasen M. (CDC/NCEZID/DFWED/WDPB) <izk0@cdc.gov>; Hill, Vincent (CDC/NCEZID/DFWED/WDPB) <veh2@cdc.gov>; McKeel, Haley (CDC/NCEZID/DFWED/EDLB) <hvw0@cdc.gov>;

Strockbine, Nancy (CDC/NCEZID/DFWED/EDLB) <nas6@cdc.gov>; McSpadden, Elaine <EMcspadden@buttecounty.net>

Subject: RE: Consultation re: STEC O157 cases exposed to natural recreational water in Butte County, CA

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Thank you Mia. If I have specific questions regarding sampling protocols or procedures, should I direct them to you or someone else?

Thomas Parker

Program Manager, Hazardous Materials
[BUTTE COUNTY PUBLIC HEALTH](#)
[202 Mira Loma Drive | Oroville, CA 95965](#)
T: 530.552.3870 | D: [530.552.3870](tel:530.552.3870)

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From: Mattioli, Mia Catharine (CDC/NCEZID/DFWED/WDPB) <kuk9@cdc.gov>

Sent: Monday, July 21, 2025 9:26 AM

To: Wais, Ashley <AWais@buttecounty.net>; Lamba, Katherine@CDPH <Katherine.Lamba@cdph.ca.gov>; Miko, Shanna

(CDC/NCEZID/DFWED/WDPB) <rhu6@cdc.gov>; Beaudoin, Jarett <JBeaudoin@buttecounty.net>
Cc: Stainken, Cameron (CDC cdph.ca.gov) <cameron.stainken@cdph.ca.gov>; Kahler, Amy (CDC/NCEZID/DFWED/WDPB) <ete1@cdc.gov>; Kunz, Jasen M. (CDC/NCEZID/DFWED/WDPB) <izk0@cdc.gov>; Hill, Vincent (CDC/NCEZID/DFWED/WDPB) <veh2@cdc.gov>; McKeel, Haley (CDC/NCEZID/DFWED/EDLB) <hvw0@cdc.gov>; Strockbine, Nancy (CDC/NCEZID/DFWED/EDLB) <nas6@cdc.gov>; McSpadden, Elaine <EMcspadden@buttecounty.net>; Parker, Thomas <TParker@buttecounty.net>

Subject: RE: Consultation re: STEC O157 cases exposed to natural recreational water in Butte County, CA

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Wonderful! We're work to get the supplies and sampling guidance to you asap.

I also realized I didn't answer you other question. The sediment sample you collect will be great to test (O157 is very hardy in sediment). Just be sure to keep it at 4C and ship on ice packs, which we will send. You can wait to send it with the other samples.

Also, you'll have my cell so we can facetime to troubleshoot any issues as well.

Thanks!

Mia

Mia Catharine Mattioli
Environmental Engineer
Centers for Disease Control and Prevention (CDC)
Department of Health and Human Services (HHS)
Office: (404) 718-5643

From: Wais, Ashley <AWais@buttecounty.net>

Sent: Monday, July 21, 2025 12:23 PM

To: Mattioli, Mia Catharine (CDC/NCEZID/DFWED/WDPB) <kuk9@cdc.gov>; Lamba, Katherine@CDPH <Katherine.Lamba@cdph.ca.gov>; Miko, Shanna (CDC/NCEZID/DFWED/WDPB) <rhu6@cdc.gov>; Beaudoin, Jarett <JBeaudoin@buttecounty.net>

Cc: Stainken, Cameron (CDC cdph.ca.gov) <cameron.stainken@cdph.ca.gov>; Kahler, Amy (CDC/NCEZID/DFWED/WDPB) <ete1@cdc.gov>; Kunz, Jasen M. (CDC/NCEZID/DFWED/WDPB) <izk0@cdc.gov>; Hill, Vincent (CDC/NCEZID/DFWED/WDPB) <veh2@cdc.gov>; McKeel, Haley (CDC/NCEZID/DFWED/EDLB) <hvw0@cdc.gov>; Strockbine, Nancy (CDC/NCEZID/DFWED/EDLB) <nas6@cdc.gov>; McSpadden, Elaine <EMcspadden@buttecounty.net>; Parker, Thomas <TParker@buttecounty.net>

Subject: RE: Consultation re: STEC O157 cases exposed to natural recreational water in Butte County, CA

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Hi Mia,

Thank you for this insight. Below is the appropriate address to ship the supplies to.

Butte County Environmental Health
ATTN: Tom Parker

202 Mira Loma Drive
Oroville, CA 95965

In the meantime, the Butte County team will review the water sampling protocol shared in the meeting and have internal discussions to confirm sampling locations. I believe that we will have additional questions before we conduct sampling and greatly appreciate the CDC team's support and guidance during this project.

Thank you,

Ashley Wais, MPH, CIC®

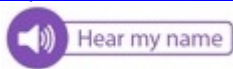
Epidemiologist

[BUTTE COUNTY PUBLIC HEALTH](#)

[202 Mira Loma Drive | Oroville, CA 95965](#)

T: [530-552-3950](tel:530-552-3950) | M: [530-300-4166](tel:530-300-4166)

<https://www.buttecounty.net/610/Public-Health>



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From: Mattioli, Mia Catharine (CDC/NCEZID/DFWED/WDPB) <kuk9@cdc.gov>

Sent: Saturday, July 19, 2025 11:31 AM

To: Wais, Ashley <AWais@buttecounty.net>; Lamba, Katherine@CDPH <Katherine.Lamba@cdph.ca.gov>; Miko, Shanna (CDC/NCEZID/DFWED/WDPB) <rhu6@cdc.gov>; Beaudoin, Jarett <JBeaudoin@buttecounty.net>

Cc: Stainken, Cameron (CDC cdph.ca.gov) <cameron.stainken@cdph.ca.gov>; Kahler, Amy (CDC/NCEZID/DFWED/WDPB) <ete1@cdc.gov>; Kunz, Jasen M. (CDC/NCEZID/DFWED/WDPB) <izk0@cdc.gov>; Hill, Vincent (CDC/NCEZID/DFWED/WDPB) <veh2@cdc.gov>; McKeel, Haley (CDC/NCEZID/DFWED/EDLB) <hvw0@cdc.gov>; Strockbine, Nancy (CDC/NCEZID/DFWED/EDLB) <nas6@cdc.gov>

Subject: RE: Consultation re: STEC O157 cases exposed to natural recreational water in Butte County, CA

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Hi Ashley,

It was great speaking with you all on Friday. We are happy to support sampling and testing of the creek associated with the *E. coli* O157:H7 outbreak.

Based on our discussion, we would recommend water and sediment sampling at the following **5 locations**: the three swimming sites associated with exposure, immediately downstream of the golf course but upstream of the first swimming location, and further upstream where the wildfire sediment deposited. We would test these samples for *E. coli* O157:H7 and generic fecal indicator *E. coli*, as well as microbial source tracking markers specific to feces for birds, ruminants, and humans and markers specific to mitochondria of goose (given the Wildwood association). As mentioned on the call, Amy Irani in Nevada County did the sampling for the Lake Wildwood outbreak and is familiar with our large volume ultrafiltration sampling procedure so we would recommend asking if she can support given that experience.

If you all are OK with this plan, we can provide more details on the sampling and supplies, but first we **need the best address to ship**. Likely the earliest we can get the supplies to you all is Wednesday morning so sampling could occur on Wednesday and Thursday at the earliest. Friday sampling is tricky because Saturday delivery by FedEx is often problematic.

Thanks again for reaching out and look forward to working with you all!

Mia

Mia Catharine Mattioli
Environmental Engineer
Centers for Disease Control and Prevention (CDC)
Department of Health and Human Services (HHS)
Office: (404) 718-5643

From: Wais, Ashley <AWais@buttecounty.net>

Sent: Friday, July 18, 2025 6:45 PM

To: Lamba, Katherine@CDPH <Katherine.Lamba@cdph.ca.gov>; Mattioli, Mia Catharine (CDC/NCEZID/DFWED/WDPB) <kuk9@cdc.gov>; Miko, Shanna (CDC/NCEZID/DFWED/WDPB) <rhu6@cdc.gov>; Beaudoin, Jarett <JBeaudoin@buttecounty.net>

Cc: Stainken, Cameron (CDC cdph.ca.gov) <cameron.stainken@cdph.ca.gov>; Kahler, Amy (CDC/NCEZID/DFWED/WDPB) <ete1@cdc.gov>; Kunz, Jasen M. (CDC/NCEZID/DFWED/WDPB) <izk0@cdc.gov>; Hill, Vincent (CDC/NCEZID/DFWED/WDPB) <veh2@cdc.gov>; McKeel, Haley (CDC/NCEZID/DFWED/EDLB) <hvw0@cdc.gov>; Strockbine, Nancy (CDC/NCEZID/DFWED/EDLB) <nas6@cdc.gov>

Subject: RE: Consultation re: STEC O157 cases exposed to natural recreational water in Butte County, CA

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Hi CDC/CDPH teams,

Thank you all so much for your time and support with this scenario. We will await further guidance on next steps.

I would also love to reach out to Jordan who was on the call speaking about the sequencing results, but I do not see them on this email chain currently. If someone from the CDC team could send me their contact info, that would be much appreciated.

Lastly, the City of Chico collected a sediment sample while conducting their cleaning efforts yesterday. I wanted to confirm if there was a time frame in which that needs to be tested for it to be viable?

Thank you again,

Ashley Wais, MPH, CIC®

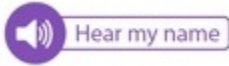
Epidemiologist

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[202 Mira Loma Drive | Oroville, CA 95965](https://www.buttecounty.net/610/Public-Health)

T: [530-552-3950](tel:530-552-3950) | M: [530-300-4166](tel:530-300-4166)

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From: Lamba, Katherine@CDPH <Katherine.Lamba@cdph.ca.gov>
Sent: Friday, July 18, 2025 9:48 AM
To: Wais, Ashley <AWais@buttecounty.net>; 'Mattioli, Mia Catharine (CDC/NCEZID/DFWED/WDPB)' <kuk9@cdc.gov>; Miko, Shanna (CDC/NCEZID/DFWED/WDPB) <rhu6@cdc.gov>; Beaudoin, Jarett <jbeaudoin@buttecounty.net>
Cc: Stainken, Cameron@CDPH <Cameron.Stainken@cdph.ca.gov>; Kahler, Amy (CDC/NCEZID/DFWED/WDPB) <ete1@cdc.gov>; Kunz, Jasen M. (CDC/NCEZID/DFWED/WDPB) <izk0@cdc.gov>; Hill, Vincent (CDC/NCEZID/DFWED/WDPB) <veh2@cdc.gov>; McKeel, Haley (CDC/NCEZID/DFWED/EDLB) <hvw0@cdc.gov>; Strockbine, Nancy (CDC/NCEZID/DFWED/EDLB) <nas6@cdc.gov>
Subject: RE: Consultation re: STEC O157 cases exposed to natural recreational water in Butte County, CA

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[Redacted]

[Redacted]	[Redacted]	[Redacted]	[Redacted]	[Redacted]	[Redacted]	[Redacted]	[Redacted]
[Redacted]	[Redacted]	[Redacted]	[Redacted]	[Redacted]	[Redacted]	[Redacted]	[Redacted]
[Redacted]	[Redacted]	[Redacted]	[Redacted]	[Redacted]	[Redacted]	[Redacted]	[Redacted]
[Redacted]	[Redacted]	[Redacted]	[Redacted]	[Redacted]	[Redacted]	[Redacted]	[Redacted]
[Redacted]	[Redacted]	[Redacted]	[Redacted]	[Redacted]	[Redacted]	[Redacted]	[Redacted]
[Redacted]	[Redacted]	[Redacted]	[Redacted]	[Redacted]	[Redacted]	[Redacted]	[Redacted]

Kat

Katherine Lamba, MPH (she/her)
California Department of Public Health
Phone: 510-620-3429 | Email: Katherine.Lamba@cdph.ca.gov

From: Wais, Ashley <AWais@buttecounty.net>
Sent: Thursday, July 17, 2025 4:14 PM
To: Lamba, Katherine@CDPH <Katherine.Lamba@cdph.ca.gov>; 'Mattioli, Mia Catharine (CDC/NCEZID/DFWED/WDPB)' <kuk9@cdc.gov>; Miko, Shanna (CDC/NCEZID/DFWED/WDPB) <rhu6@cdc.gov>; Beaudoin, Jarett <jbeaudoin@buttecounty.net>
Cc: Stainken, Cameron@CDPH <Cameron.Stainken@cdph.ca.gov>; Kahler, Amy (CDC/NCEZID/DFWED/WDPB) <ete1@cdc.gov>; Kunz, Jasen M. (CDC/NCEZID/DFWED/WDPB) <izk0@cdc.gov>; Hill, Vincent (CDC/NCEZID/DFWED/WDPB) <veh2@cdc.gov>; McKeel, Haley (CDC/NCEZID/DFWED/EDLB) <hvw0@cdc.gov>; Strockbine, Nancy (CDC/NCEZID/DFWED/EDLB) <nas6@cdc.gov>
Subject: RE: Consultation re: STEC O157 cases exposed to natural recreational water in Butte County, CA

Hi Kat,

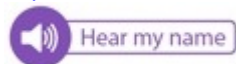
Thank you for this update. For the table below there are a few exposures that need to be updated.

[REDACTED]

Thank you,

Ashley Wais, MPH, CIC®

Epidemiologist
BUTTE COUNTY PUBLIC HEALTH
202 Mira Loma Drive | Oroville, CA 95965
T: 530-552-3950 | M: 530-300-4166
<https://www.buttecounty.net/610/Public-Health>



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From: Lamba, Katherine@CDPH <Katherine.Lamba@cdph.ca.gov>
Sent: Thursday, July 17, 2025 3:55 PM
To: Wais, Ashley <AWais@buttecounty.net>; 'Mattioli, Mia Catharine (CDC/NCEZID/DFWED/WDPB)' <kuk9@cdc.gov>; Miko, Shanna (CDC/NCEZID/DFWED/WDPB) <rhu6@cdc.gov>; Beaudoin, Jarett <jbeaudoin@buttecounty.net>
Cc: Stainken, Cameron@CDPH <Cameron.Stainken@cdph.ca.gov>; Kahler, Amy (CDC/NCEZID/DFWED/WDPB) <ete1@cdc.gov>; Kunz, Jasen M. (CDC/NCEZID/DFWED/WDPB) <izk0@cdc.gov>; Hill, Vincent (CDC/NCEZID/DFWED/WDPB) <veh2@cdc.gov>; McKeel, Haley (CDC/NCEZID/DFWED/EDLB) <hvw0@cdc.gov>; Strockbine, Nancy (CDC/NCEZID/DFWED/EDLB) <nas6@cdc.gov>
Subject: RE: Consultation re: STEC O157 cases exposed to natural recreational water in Butte County, CA

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Hi all,

[REDACTED]

[REDACTED]	[REDACTED]	[REDACTED]	[REDACTED]	[REDACTED]	[REDACTED]	[REDACTED]	[REDACTED]
[REDACTED]	[REDACTED]	[REDACTED]	[REDACTED]	[REDACTED]	[REDACTED]	[REDACTED]	[REDACTED]
[REDACTED]	[REDACTED]	[REDACTED]	[REDACTED]	[REDACTED]	[REDACTED]	[REDACTED]	[REDACTED]
[REDACTED]	[REDACTED]	[REDACTED]	[REDACTED]	[REDACTED]	[REDACTED]	[REDACTED]	[REDACTED]
[REDACTED]	[REDACTED]	[REDACTED]	[REDACTED]	[REDACTED]	[REDACTED]	[REDACTED]	[REDACTED]
[REDACTED]	[REDACTED]	[REDACTED]	[REDACTED]	[REDACTED]	[REDACTED]	[REDACTED]	[REDACTED]

Thanks,
Kat

Katherine Lamba, MPH (she/her)
California Department of Public Health
Phone: 510-620-3429 | Email: Katherine.Lamba@cdph.ca.gov

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From: Wais, Ashley <AWais@buttecounty.net>
Sent: Thursday, July 17, 2025 8:56 AM
To: 'Mattioli, Mia Catharine (CDC/NCEZID/DFWED/WDPB)' <kuk9@cdc.gov>; Lamba, Katherine@CDPH <Katherine.Lamba@cdph.ca.gov>; Miko, Shanna (CDC/NCEZID/DFWED/WDPB) <rhu6@cdc.gov>; Beaudoin, Jarett <jbeaudoin@buttecounty.net>
Cc: Stainken, Cameron@CDPH <Cameron.Stainken@cdph.ca.gov>; Kahler, Amy (CDC/NCEZID/DFWED/WDPB) <ete1@cdc.gov>; Kunz, Jasen M. (CDC/NCEZID/DFWED/WDPB) <izk0@cdc.gov>; Hill, Vincent (CDC/NCEZID/DFWED/WDPB) <veh2@cdc.gov>; McKeel, Haley (CDC/NCEZID/DFWED/EDLB) <hvw0@cdc.gov>; Strockbine, Nancy (CDC/NCEZID/DFWED/EDLB) <nas6@cdc.gov>
Subject: RE: Consultation re: STEC O157 cases exposed to natural recreational water in Butte County, CA

Hi Mia,

Thank you for accommodating our tight schedule and consulting with us for this scenario. We have reached out to the City of Chico to see if they can acquire these samples. We are available at 12PM tomorrow for a discussion.

I did have a few questions related to the sample requests:

1. The pool is now drained (see below) and the process for removing sediment is underway. Did the sediment need to be submerged?
2. I am not sure it will be possible to acquire a “mucky water” sample now that the pool is drained. Is there a different type of sample that should be taken or should it be taken from another location (upstream)?

Any insight is appreciated.



Thank you,
Ashley Wais, MPH, CIC®

Epidemiologist

[BUTTE COUNTY PUBLIC HEALTH](#)

[202 Mira Loma Drive | Oroville, CA 95965](#)

T: [530-552-3950](tel:530-552-3950) | M: [530-300-4166](tel:530-300-4166)

<https://www.buttecounty.net/610/Public-Health>



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From: Mattioli, Mia Catharine (CDC/NCEZID/DFWED/WDPB) <kuk9@cdc.gov>

Sent: Thursday, July 17, 2025 8:31 AM

To: Lamba, Katherine@CDPH <Katherine.Lamba@cdph.ca.gov>; Miko, Shanna (CDC/NCEZID/DFWED/WDPB)

<rhu6@cdc.gov>; Wais, Ashley <AWais@buttecounty.net>; Beaudoin, Jarett <jbeaudoin@buttecounty.net>

Cc: Stainken, Cameron (CDC cdph.ca.gov) <cameron.stainken@cdph.ca.gov>; Kahler, Amy (CDC/NCEZID/DFWED/WDPB)

<ete1@cdc.gov>; Kunz, Jasen M. (CDC/NCEZID/DFWED/WDPB) <izk0@cdc.gov>; Hill, Vincent

(CDC/NCEZID/DFWED/WDPB) <veh2@cdc.gov>; McKeel, Haley (CDC/NCEZID/DFWED/EDLB) <hvw0@cdc.gov>;

Strockbine, Nancy (CDC/NCEZID/DFWED/EDLB) <nas6@cdc.gov>

Subject: RE: Consultation re: STEC O157 cases exposed to natural recreational water in Butte County, CA

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Hi Kat,

Thanks so much for proposing times!

CDC is available at the following:

- Friday 7/18: 12pm PST/3PM EST
- Monday 7/21: 1pm PST/4pm EST

Also, if they are cleaning out Sycamore pool, could we ask that someone grab two, 1-L bottles and fill one halfway with the sediment and the other almost full with the mucky water churned up? These can be stored in a fridge (4C) until process. Our lab does this type of testing if not available in CA. These samples will be the best for this type of bug and water source.

Thanks!

Mia

Mia Catharine Mattioli
Environmental Engineer
Centers for Disease Control and Prevention (CDC)
Department of Health and Human Services (HHS)
Office: (404) 718-5643

From: Lamba, Katherine@CDPH <Katherine.Lamba@cdph.ca.gov>
Sent: Wednesday, July 16, 2025 9:22 PM
To: Mattioli, Mia Catharine (CDC/NCEZID/DFWED/WDPB) <kuk9@cdc.gov>; Miko, Shanna (CDC/NCEZID/DFWED/WDPB) <rhu6@cdc.gov>; Wais, Ashley <AWais@buttecounty.net>; Beaudoin, Jarett <jbeaudoin@buttecounty.net>
Cc: Stainken, Cameron (CDC cdph.ca.gov) <cameron.stainken@cdph.ca.gov>; Kahler, Amy (CDC/NCEZID/DFWED/WDPB) <ete1@cdc.gov>; Kunz, Jasen M. (CDC/NCEZID/DFWED/WDPB) <izk0@cdc.gov>; Hill, Vincent (CDC/NCEZID/DFWED/WDPB) <veh2@cdc.gov>; McKeel, Haley (CDC/NCEZID/DFWED/EDLB) <hvw0@cdc.gov>; Strockbine, Nancy (CDC/NCEZID/DFWED/EDLB) <nas6@cdc.gov>
Subject: RE: Consultation re: STEC O157 cases exposed to natural recreational water in Butte County, CA

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Hi all,

Looping in a couple of folks from Butte County directly (Ashley Wais- epi and Dr. Beaudoin, Health Officer) so we can all sort out scheduling for this call.

Looks like scheduling over the next several days may be challenging but hopefully we can sort out a time that works sooner rather than later for the group. Would CDC team by chance be available during any of the following times?

- Thursday 7/17: 12pm PST/3PM EST
- Friday 7/18: 12pm PST/3PM EST
- Monday 7/21: 9am-11am PST (12-2 EST); 1pm PST/4pm EST
 - For Monday these are the slots that work for CDC and CDPH; @Wais, Ashley let us know if any of these work for Butte.

Thank you!

Kat

Katherine Lamba, MPH (she/her)
California Department of Public Health
Phone: 510-620-3429 | Email: Katherine.Lamba@cdph.ca.gov

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From: Lamba, Katherine@CDPH
Sent: Wednesday, July 16, 2025 2:44 PM
To: Mattioli, Mia Catharine (CDC/NCEZID/DFWED/WDPB) <kuk9@cdc.gov>; Miko, Shanna (CDC/NCEZID/DFWED/WDPB) <rhu6@cdc.gov>
Cc: Stainken, Cameron@CDPH <Cameron.Stainken@cdph.ca.gov>; Kahler, Amy (CDC/NCEZID/DFWED/WDPB) <ete1@cdc.gov>; Kunz, Jasen M. (CDC/NCEZID/DFWED/WDPB) <izk0@cdc.gov>; Hill, Vincent (CDC/NCEZID/DFWED/WDPB) <veh2@cdc.gov>; McKeel, Haley (CDC/NCEZID/DFWED/EDLB) <hvw0@cdc.gov>; Strockbine, Nancy (CDC/NCEZID/DFWED/EDLB) <nas6@cdc.gov>
Subject: RE: Consultation re: STEC O157 cases exposed to natural recreational water in Butte County, CA

My thought went to geese flying down from WA 😊.

Kat

Katherine Lamba, MPH (she/her)
California Department of Public Health
Phone: 510-620-3429 | Email: Katherine.Lamba@cdph.ca.gov

From: Mattioli, Mia Catharine (CDC/NCEZID/DFWED/WDPB) <kuk9@cdc.gov>
Sent: Wednesday, July 16, 2025 2:30 PM
To: Lamba, Katherine@CDPH <Katherine.Lamba@cdph.ca.gov>; Miko, Shanna (CDC/NCEZID/DFWED/WDPB) <rhu6@cdc.gov>
Cc: Stainken, Cameron@CDPH <Cameron.Stainken@cdph.ca.gov>; Kahler, Amy (CDC/NCEZID/DFWED/WDPB) <ete1@cdc.gov>; Kunz, Jasen M. (CDC/NCEZID/DFWED/WDPB) <izk0@cdc.gov>; Hill, Vincent (CDC/NCEZID/DFWED/WDPB) <veh2@cdc.gov>; McKeel, Haley (CDC/NCEZID/DFWED/EDLB) <hvw0@cdc.gov>; Strockbine, Nancy (CDC/NCEZID/DFWED/EDLB) <nas6@cdc.gov>
Subject: RE: Consultation re: STEC O157 cases exposed to natural recreational water in Butte County, CA

Adding our other enterics clinical outbreak SME, Nancy Strockbine, as well.

Thanks!

Mia Catharine Mattioli
Environmental Engineer
Centers for Disease Control and Prevention (CDC)
Department of Health and Human Services (HHS)
Office: (404) 718-5643

From: Mattioli, Mia Catharine (CDC/NCEZID/DFWED/WDPB)
Sent: Wednesday, July 16, 2025 5:28 PM
To: Lamba, Katherine@CDPH <Katherine.Lamba@cdph.ca.gov>; Miko, Shanna (CDC/NCEZID/DFWED/WDPB) <rhu6@cdc.gov>
Cc: Stainken, Cameron (CDC cdph.ca.gov) <cameron.stainken@cdph.ca.gov>; Kahler, Amy (CDC/NCEZID/DFWED/WDPB) <ete1@cdc.gov>; Kunz, Jasen M. (CDC/NCEZID/DFWED/WDPB) <izk0@cdc.gov>; Hill, Vincent (CDC/NCEZID/DFWED/WDPB) <veh2@cdc.gov>; McKeel, Haley (CDC/NCEZID/DFWED/EDLB) <hvw0@cdc.gov>
Subject: RE: Consultation re: STEC O157 cases exposed to natural recreational water in Butte County, CA

OK, thanks so much! This is very close and similar sounding to our Lake Wildwood *E. coli* O157:H7 outbreak in 2017 at almost the exact same time of year. In that case there were Canada geese amplifying the pathogen within the lake. I wonder if there are geese or other birds frequenting these untreated venues as well. I'm including our clinical enterics laboratory SME, Haley McKeel, who was also involved in the 2017 response.

Our team would be available this Friday (7/18) from 12-2 PM EST or next Monday (7/21) after 12 PM EST. If none of those times work for you all, let us know what works best for you, and we can move things on our end.

Thanks again for reaching out!

Mia

Mia Catharine Mattioli
Environmental Engineer

From: Lamba, Katherine@CDPH <Katherine.Lamba@cdph.ca.gov>
Sent: Wednesday, July 16, 2025 5:22 PM
To: Mattioli, Mia Catharine (CDC/NCEZID/DFWED/WDPB) <kuk9@cdc.gov>; Miko, Shanna (CDC/NCEZID/DFWED/WDPB) <rhu6@cdc.gov>
Cc: Stainken, Cameron (CDC cdph.ca.gov) <cameron.stainken@cdph.ca.gov>; Kahler, Amy (CDC/NCEZID/DFWED/WDPB) <ete1@cdc.gov>; Kunz, Jasen M. (CDC/NCEZID/DFWED/WDPB) <izk0@cdc.gov>; Hill, Vincent (CDC/NCEZID/DFWED/WDPB) <veh2@cdc.gov>
Subject: RE: Consultation re: STEC O157 cases exposed to natural recreational water in Butte County, CA

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Fantastic, thanks! Let me check in with our Butte County colleagues then I will loop them in and can coordinate setting something up. In the meantime if you are able to share some time slots over the next several days that work for your team that would be great.

Yes- Sycamore pool is untreated water.

Kat

Katherine Lamba, MPH (she/her)
California Department of Public Health
Phone: 510-620-3429 | Email: Katherine.Lamba@cdph.ca.gov

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From: Mattioli, Mia Catharine (CDC/NCEZID/DFWED/WDPB) <kuk9@cdc.gov>
Sent: Wednesday, July 16, 2025 2:11 PM
To: Lamba, Katherine@CDPH <Katherine.Lamba@cdph.ca.gov>; Miko, Shanna (CDC/NCEZID/DFWED/WDPB) <rhu6@cdc.gov>
Cc: Stainken, Cameron@CDPH <Cameron.Stainken@cdph.ca.gov>; Kahler, Amy (CDC/NCEZID/DFWED/WDPB) <ete1@cdc.gov>; Kunz, Jasen M. (CDC/NCEZID/DFWED/WDPB) <izk0@cdc.gov>; Hill, Vincent (CDC/NCEZID/DFWED/WDPB) <veh2@cdc.gov>
Subject: RE: Consultation re: STEC O157 cases exposed to natural recreational water in Butte County, CA

Hi Kat,

Thanks for reaching out! Yes, Shanna and I are the right contacts. Shanna is only leave this week so I've included her back-fill for outbreak support, Jasen Kunz. Jasen can set up a call to discuss sampling and testing. Our lab does both water and sediment testing for *E. coli* O157:H7, and we happy to discuss our sampling and testing methods. Of note, generic *E. coli* tests used for monitoring do *not* detect O157:H7 strains, which means those values alone cannot be used to evaluate risk of pathogen contamination.

Thanks for the outbreak notes as well. Just so I'm clear, this pool is untreated, correct? It is fed by a creek without further treatment?

Let us know if you would like to set up a call or prefer Jasen reach out, and thanks again!

Mia

Mia Catharine Mattioli
Environmental Engineer
Centers for Disease Control and Prevention (CDC)
Department of Health and Human Services (HHS)
Office: (404) 718-5643

From: Lamba, Katherine@CDPH <Katherine.Lamba@cdph.ca.gov>
Sent: Wednesday, July 16, 2025 5:05 PM
To: Mattioli, Mia Catharine (CDC/NCEZID/DFWED/WDPB) <kuk9@cdc.gov>; Miko, Shanna (CDC/NCEZID/DFWED/WDPB) <rhu6@cdc.gov>
Cc: Stainken, Cameron (CDC cdph.ca.gov) <cameron.stainken@cdph.ca.gov>
Subject: Consultation re: STEC O157 cases exposed to natural recreational water in Butte County, CA

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Hi Mia and Shanna,

Hoping you're still the right contacts to reach out to- if not, please forward as needed.

CDPH has been supporting Butte County in the investigation of STEC O157 cases they suspect are associated with a couple of related natural recreational water locations in Chico, CA. Butte County has been in discussions with the City of Chico regarding possible testing of water and sediment for STEC/STEC O157 and they are looking for guidance on sampling methods, interpretation of laboratory results, and considerations around water sampling. We're wondering if you and your team may be available to consult on this situation, possibly via a conference call?

Some background:

- Butte County initially identified 2 cases of STEC O157 [REDACTED], onsets [REDACTED], where exposure to [Sycamore Pool](#) (aka One-Mile recreational area/Bidwell Park) in Chico is the suspected exposure. WGS has been completed for one STEC case and is in process for the 2nd. No other closely related recent STEC isolates have been identified.
 - 1 additional STEC case with onset [REDACTED] and exposure to Sycamore pool on [REDACTED] was subsequently identified.
- Sycamore pool is a man-made concrete swimming 'pool' with fresh natural recreational water and is connected to Big Chico Creek
- On 7/1/25, the City of Chico issued a [swimming advisory](#) at Sycamore pool due to elevated E. coli levels from routine testing. Samples are routinely collected upstream and downstream from Sycamore pool. The [pool is closed 7/16-7/18](#) for routine sediment removal/cleaning.
- Butte County has now identified 2 additional STEC cases, onsets [REDACTED] with exposure to the [Five Mile recreational area](#) in Chico, which is also connected to the Big Chico Creek but is about 3 miles east of Sycamore Pool. WGS is pending to determine if these cases have STEC isolates that are related to cases with Sycamore pool exposure.

Thank you, and Cameron please chime in if I've missed any relevant info.

Kat

Katherine Lamba, MPH (she/her)
Epidemiologist
Disease Investigations Section | Infectious Diseases Branch
Center for Infectious Diseases
California Department of Public Health
Phone: 510-620-3429 | Email: Katherine.Lamba@cdph.ca.gov
IDB-DIS general inbox: IDB-DIS@cdph.ca.gov



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Confidential - Low

Beaudoin, Jarett

From: Beaudoin, Jarett
Sent: Thursday, August 7, 2025 10:51 AM
To: Mark Sorensen
Subject: Re: Big Chico Creek Update

Unfortunately not yet. We have a meeting with CDC on Monday to get their recommendations for next steps. It was a bit delayed because of some vacations on their side. They've told us we should have the test results tomorrow or Friday though, so I will have a bit more information then.

-Jarett

From: Mark Sorensen <Mark.Sorensen@chicoca.gov>
Sent: Thursday, August 7, 2025 9:26 AM
To: Beaudoin, Jarett <JBeaudoin@buttecounty.net>
Subject: RE: Big Chico Creek Update

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Any additional information on this item?

From: Mark Sorensen
Sent: Monday, August 4, 2025 1:50 PM
To: Beaudoin, Jarett <JBeaudoin@buttecounty.net>
Subject: RE: Big Chico Creek Update

Thanks for the update....

From: Beaudoin, Jarett <JBeaudoin@buttecounty.net>
Sent: Monday, August 4, 2025 11:32 AM
To: Erik Gustafson <erik.gustafson@Chicoca.gov>; Mark Sorensen <Mark.Sorensen@chicoca.gov>; Skyler Lipski <skyler.lipski@Chicoca.gov>; emorrissey@chicorec.gov; Miranda Bowersox <Miranda.Bowersox@chicoca.gov>
Cc: Wais, Ashley <AWais@buttecounty.net>
Subject: Big Chico Creek Update

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Hey Chico team,

Just wanted to give an update. We are still waiting on more data but have some initial findings that I think are important for you all to know:

- **Creek Sediment/Water testing:** Creek Samples have found E. Coli O157 (the toxic type) at Sycamore Pool, Nature Center, and Five Mile. The results farther upstream (Alligator hole) and at Horseshoe Lake (chosen due to goose exposure) were negative.

- **Case Linkages:** The cases from Sycamore Pool and Five Mile are genetically identical.
- **Pending Tests:** pending indicator bacteria testing for various animals to see what animals could be defecating in the creek. Also pending tests of some goose scat samples.

Long story short- no current changes to swim advisories, and growing evidence that this is a Creek-wide issue, not just a sycamore pool issue.

Just as a warning- CDC has worked on these cases before and in most cases have recommended closing these areas for the *entire season*. The thought is that even if you identify the source, you still have to wait for the harmful E.Coli to die off over the winter, essentially resetting the creek. This isn't definitive right now, but just wanted to let you all know this is a strong possibility.

I'll update you all again when we have more information, and this may trigger more testing. **We have not released these initial results to the public yet, but plan to once we get them all back.** Obviously, I'll send you the release before we put something out.

As always- feel free to reach out with any questions. I'm happy to talk any time.

-Jarett

Jarett Beaudoin, M.D., M.P.H.

Public Health Officer

[BUTTE COUNTY PUBLIC HEALTH](#)

[202 Mira Loma Drive | Oroville, CA 95965](#)

T: 530.552.4000

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Beaudoin, Jarett

From: Beaudoin, Jarett
Sent: Tuesday, August 5, 2025 10:29 AM
To: Pack, Joshua; Soderstrom, Monica
Cc: Pickett, Andy; Nuzum, Danielle
Subject: Re: Status of E. Coli Determination

Hey Josh,

Sorry for the delay- we are still pending a few more tests from CDC. But I can update you no less!

We have confirmed E Coli O157 in sediment from Sycamore Pool, Nature Center, and Five mile. Negative at Aligator hole so it's possible the source is somewhere between the two. We are pending some other tests to look for animal-specific bacteria and have also tested some geese scat.

We were planning on talking to CDC again to discuss next steps & interventions once these results are back. It should be early this week, so hopefully will have something for you by Friday at the latest!

-Jarett

Jarett Beaudoin, M.D., M.P.H.

Public Health Officer

[BUTTE COUNTY PUBLIC HEALTH](#)

[202 Mira Loma Drive | Oroville, CA 95965](#)

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From: Pack, Joshua <jpack@buttecounty.net>

Sent: Tuesday, August 5, 2025 8:50 AM

To: Soderstrom, Monica <msoderstrom@buttecounty.net>; Beaudoin, Jarett <JBeaudoin@buttecounty.net>

Cc: Pickett, Andy <APickett@buttecounty.net>; Nuzum, Danielle <DNuzum@buttecounty.net>

Subject: Status of E. Coli Determination

Good morning –

I'm following up on our conversations from several weeks ago regarding the presence of E. coli and potential action by the PHO. I'm continuing to work on a presentation to the Board for urgent treatment at the Five-Mile Basin for next Tuesday. Any additional information or guidance you can provide before then will help me craft and refine my presentation.

I'm happy to connect later this week as needed to discuss.

Enjoy your week! – Josh

Joshua Pack
Director of Public Works



7 County Center Drive Oroville, CA 95965

530.538.7681 Phone

530-538-7171 Fax

jpack@buttecounty.net

Beaudoin, Jarett

From: Beaudoin, Jarett
Sent: Monday, August 4, 2025 11:32 AM
To: Erik Gustafson; Mark.Sorensen@chicoca.gov; Skyler Lipski; emorrissey@chicorec.gov; Miranda.Bowersox@chicoca.gov
Cc: Wais, Ashley
Subject: Big Chico Creek Update

Hey Chico team,

Just wanted to give an update. We are still waiting on more data but have some initial findings that I think are important for you all to know:

- **Creek Sediment/Water testing:** Creek Samples have found E. Coli O157 (the toxic type) at Sycamore Pool, Nature Center, and Five Mile. The results farther upstream (Aligator hole) and at Horseshoe Lake (chosen due to goose exposure) were negative.
- **Case Linkages:** The cases from Sycamore Pool and Five Mile are genetically identical.
- **Pending Tests:** pending indicator bacteria testing for various animals to see what animals could be defecating in the creek. Also pending tests of some goose scat samples.

Long story short- no current changes to swim advisories, and growing evidence that this is a Creek-wide issue, not just a sycamore pool issue.

Just as a warning- CDC has worked on these cases before and in most cases have recommended closing these areas for the *entire season*. The thought is that even if you identify the source, you still have to wait for the harmful E.Coli to die off over the winter, essentially resetting the creek. This isn't definitive right now, but just wanted to let you all know this is a strong possibility.

I'll update you all again when we have more information, and this may trigger more testing. **We have not released these initial results to the public yet, but plan to once we get them all back.** Obviously, I'll send you the release before we put something out.

As always- feel free to reach out with any questions. I'm happy to talk any time.

-Jarett

Jarett Beaudoin, M.D., M.P.H.

Public Health Officer

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Beaudoin, Jarett

From: Beaudoin, Jarett
Sent: Monday, August 4, 2025 10:06 AM
To: Lefaver, Jennifer
Subject: Re: O157 Outbreak Meeting

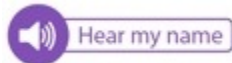
It can be online!

-Jarett

From: Lefaver, Jennifer <JLefaver@buttecounty.net>
Sent: Monday, August 4, 2025 9:55 AM
To: Beaudoin, Jarett <JBeaudoin@buttecounty.net>
Subject: RE: O157 Outbreak Meeting

In person Chico or Online

Jennifer Lefaver (she/her)
Senior Administrative Assistant
[BUTTE COUNTY PUBLIC HEALTH](#)
[202 Mira Loma Drive | Oroville, CA 95965](#)
T: [530.552.3852](tel:530.552.3852)



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From: Beaudoin, Jarett <JBeaudoin@buttecounty.net>
Sent: Monday, August 4, 2025 8:50 AM
To: Lefaver, Jennifer <JLefaver@buttecounty.net>
Subject: Re: O157 Outbreak Meeting

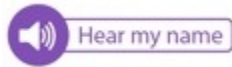
Ugh yes. Tell her I'm sorry and will brief her separately!

-Jarett

From: Lefaver, Jennifer <JLefaver@buttecounty.net>
Sent: Monday, August 4, 2025 8:27 AM
To: Beaudoin, Jarett <JBeaudoin@buttecounty.net>
Subject: RE: O157 Outbreak Meeting

Elaine is the only one that can't make it that day. Is that okay and you can brief her later or is there another option you want?

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From: Beaudoin, Jarrett <JBeaudoin@buttecounty.net>
Sent: Monday, August 4, 2025 8:18 AM
To: Lefaver, Jennifer <JLefaver@buttecounty.net>
Subject: Re: O157 Outbreak Meeting

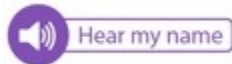
Hmmm. I'm not sure we'll have the results back by then. What about Wednesday at 4:00? I don't have to go to the nicotine alliance meeting.

-Jarrett

From: Lefaver, Jennifer <JLefaver@buttecounty.net>
Sent: Monday, August 4, 2025 8:16 AM
To: Beaudoin, Jarrett <JBeaudoin@buttecounty.net>
Subject: RE: O157 Outbreak Meeting

Are you able to meet with them at 8am on Tuesday? If not the only time seems like noon on Wednesday. Monica's schedule is packed this week! Do you want to meet in person in Chico or via Microsoft Teams?

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From: Beaudoin, Jarrett <JBeaudoin@buttecounty.net>
Sent: Friday, August 1, 2025 8:34 AM

To: Lefaver, Jennifer <JLefaver@buttecounty.net>

Subject: O157 Outbreak Meeting

Hello!

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It's to discuss next steps for the O157 outbreak.

Jarett Beaudoin, M.D., M.P.H.

Public Health Officer

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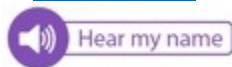
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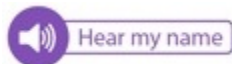
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Jarett Beaudoin, M.D., M.P.H.
Public Health Officer

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Beaudoin, Jarett

From: Beaudoin, Jarett
Sent: Friday, August 1, 2025 10:52 AM
To: Cox, Erin; Almaguer, Lisa; Wais, Ashley; Soderstrom, Monica; McSpadden, Elaine
Subject: Re: Consultation re: STEC O157 cases exposed to natural recreational water in Butte County, CA

I emailed Jen already. She will set up a meeting when she's back on Monday.

-Jarett

From: Cox, Erin <ECox@buttecounty.net>
Sent: Friday, August 1, 2025 10:32 AM
To: Almaguer, Lisa <LAlmaguer@buttecounty.net>; Wais, Ashley <AWais@buttecounty.net>; Beaudoin, Jarett <JBeaudoin@buttecounty.net>; Soderstrom, Monica <msoderstrom@buttecounty.net>; McSpadden, Elaine <EMcspadden@buttecounty.net>
Subject: Re: Consultation re: STEC O157 cases exposed to natural recreational water in Butte County, CA

Ashley- can you set up a meeting next week once you guys get info from CDC so we can get it on the books?

Thank you everyone for the great discussions!

Thank you
Erin

Erin Cox, MHS (Ret. FP-C, Paramedic) (she/her/hers)
Division Director
Emergency Preparedness and Infectious Disease Control (EPIC)
Public Health Laboratory

[BUTTE COUNTY PUBLIC HEALTH](#)
[2080 E20th Street Suite 180 Chico CA 95928](#)
M: 530.693.5674 F: 530.538.2165
ecox@buttecounty.net
<https://www.buttecounty.net/610/Public-Health>

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From: Almaguer, Lisa <LAlmaguer@buttecounty.net>
Sent: Friday, August 1, 2025 9:10
To: Wais, Ashley <AWais@buttecounty.net>; Beaudoin, Jarett <JBeaudoin@buttecounty.net>; Cox, Erin

<ECox@buttecounty.net>; Soderstrom, Monica <msoderstrom@buttecounty.net>; McSpadden, Elaine
<EMcspadden@buttecounty.net>
Subject: RE: Consultation re: STEC O157 cases exposed to natural recreational water in Butte County, CA

Getting interpretive communication counsel from CDC would be amazing!

And – Jarett, that was the quote of the month! lol

Lisa Almaguer

Public Information Officer

[BUTTE COUNTY PUBLIC HEALTH](#)

[2080 E 20th Street, Suite 180 | Chico, CA 95928](#)

T: 530.552.4000 | D: [530.552.4041](#)

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From: Wais, Ashley <AWais@buttecounty.net>

Sent: Friday, August 1, 2025 8:59 AM

To: Almaguer, Lisa <LAlmaguer@buttecounty.net>; Beaudoin, Jarett <JBeaudoin@buttecounty.net>; Cox, Erin <ECox@buttecounty.net>; Soderstrom, Monica <msoderstrom@buttecounty.net>; McSpadden, Elaine <EMcspadden@buttecounty.net>

Subject: RE: Consultation re: STEC O157 cases exposed to natural recreational water in Butte County, CA

Hi all –

The microbial source tracking (MST) results Lisa is referring to have many caveats and will not be able to definitively tell us where the O157 came from, rather it can provide general insight into what species contributed to the fecal load in that particular sample. From my perspective, even if there are human markers found during MST testing, that may not be that significant of a finding.

I think Dr. Beaudoin and I should meet with CDC, just to ensure that we have the information we need to correctly interpret these results and see if CDC has any recommendations for next steps.

Open to other's thoughts.

Thank you,

Ashley Wais, MPH, CIC®

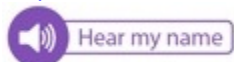
Epidemiologist

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T: [530-552-3950](#) | M: [530-300-4166](#)

<https://www.buttecounty.net/610/Public-Health>



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From: Almaguer, Lisa <LAlmaguer@buttecounty.net>

Sent: Friday, August 1, 2025 8:41 AM

To: Beaudoin, Jarett <JBeaudoin@buttecounty.net>; Cox, Erin <ECox@buttecounty.net>; Soderstrom, Monica <msoderstrom@buttecounty.net>; McSpadden, Elaine <EMcspadden@buttecounty.net>

Cc: Wais, Ashley <AWais@buttecounty.net>

Subject: Re: Consultation re: STEC O157 cases exposed to natural recreational water in Butte County, CA

This information is very interesting. Yes, I agree that we should release information once we have all of the results back. FYI, I am on vacation all of next week and will be in San Diego.

I assume we will have a meeting with the City of Chico to share this information before it goes public. Please keep me in the loop as to what you decide regarding messaging. My suggestion is a press release unless the city would like to announce this via a joint message. If this is the case, we should consider doing a join press conference.

Lastly, my understanding is the CDC is also looking for genetic markers such as human. If they detect that people (human waste) are potentially causing the issue, this will be very significant news for the City and Public Health to announce.

Lisa

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From: Beaudoin, Jarett <JBeaudoin@buttecounty.net>

Sent: Friday, August 1, 2025 8:31:14 AM

To: Cox, Erin <ECox@buttecounty.net>; Soderstrom, Monica <msoderstrom@buttecounty.net>; McSpadden, Elaine <EMcspadden@buttecounty.net>; Almaguer, Lisa <LAlmaguer@buttecounty.net>

Cc: Wais, Ashley <AWais@buttecounty.net>

Subject: Re: Consultation re: STEC O157 cases exposed to natural recreational water in Butte County, CA

Hmmm. I highly doubt this level of information would be public? But I am just guessing.

Regardless, I was thinking we were going to release the information about the linkage (generally) in addition to the results of the sediment samples when we have all the data back and have a plan.

We should set up a meeting for mid-next week because I bet we will have the results Monday or Tuesday and would love everyone's thoughts on next steps. I'll message Jen to get us something.

-Jarett

From: Cox, Erin <ECox@buttecounty.net>

Sent: Friday, August 1, 2025 8:24 AM

To: Beaudoin, Jarett <JBeaudoin@buttecounty.net>; Soderstrom, Monica <msoderstrom@buttecounty.net>; McSpadden, Elaine <EMcspadden@buttecounty.net>; Almaguer, Lisa <LAlmaguer@buttecounty.net>

Cc: Wais, Ashley <AWais@buttecounty.net>

Subject: Re: Consultation re: STEC O157 cases exposed to natural recreational water in Butte County, CA

Thank you Jarett- Just out of caution is NCBI data public? I just want us to think about getting information out ahead of the media/savvy lawyers who may be looking for this information and then being able to connect the dots. Not necessarily about the water but about the cases being connected?

Thoughts?

Thank you
Erin

Erin Cox, MHS (Ret. FP-C, Paramedic) (she/her/hers)
Division Director
Emergency Preparedness and Infectious Disease Control (EPIC)
Public Health Laboratory

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Cc: Wais, Ashley <AWais@buttecounty.net>

Subject: Fw: Consultation re: STEC O157 cases exposed to natural recreational water in Butte County, CA

Just to keep your mental list running, we now have 4/5 cases confirmed by whole genome sequencing to be linked.

Last one pending is Alligator hole. I think this will be the next good piece of data for thinking about risk of swimming upstream of 5-mile.

-Jarett

From: Lamba, Katherine@CDPH <Katherine.Lamba@cdph.ca.gov>
Sent: Thursday, July 31, 2025 4:53 PM
To: McKeel, Haley (CDC/NCEZID/DFWED/EDLB) <hvw0@cdc.gov>; Miko, Shanna (CDC/NCEZID/DFWED/WDPB) <rhu6@cdc.gov>; Kahler, Amy (CDC/NCEZID/DFWED/WDPB) <ete1@cdc.gov>; Bond, Christian R@CDPH <Christian.Bond@cdph.ca.gov>; Mattioli, Mia Catharine (CDC/NCEZID/DFWED/WDPB) <kuk9@cdc.gov>; Parker, Thomas <TParker@buttecounty.net>; Beaudoin, Jarett <jbeaudoin@buttecounty.net>
Cc: Roundtree, Alexis V. (CDC/NCEZID/DFWED/WDPB) (CTR) <hzi5@cdc.gov>; Kunz, Jasen M. (CDC/NCEZID/DFWED/WDPB) <izk0@cdc.gov>; Strockbine, Nancy (CDC/NCEZID/DFWED/EDLB) <nas6@cdc.gov>; PulseNet (CDC) <pulsenet@cdc.gov>; Stainken, Cameron@CDPH <Cameron.Stainken@cdph.ca.gov>; MacGurn, Amanda (CDC/NCEZID/DFWED/WDPB) <wmh9@cdc.gov>
Subject: RE: Consultation re: STEC O157 cases exposed to natural recreational water in Butte County, CA

ATTENTION: This message originated from outside **Butte County**. Please exercise judgment before opening attachments, clicking on links, or replying.

[REDACTED]

[REDACTED]

[REDACTED]	[REDACTED]	[REDACTED]	[REDACTED]	[REDACTED]	[REDACTED]	[REDACTED]	[REDACTED]
[REDACTED]	[REDACTED]	[REDACTED]	[REDACTED]	[REDACTED]	[REDACTED]	[REDACTED]	[REDACTED]
[REDACTED]	[REDACTED]	[REDACTED]	[REDACTED]	[REDACTED]	[REDACTED]	[REDACTED]	[REDACTED]
[REDACTED]	[REDACTED]	[REDACTED]	[REDACTED]	[REDACTED]	[REDACTED]	[REDACTED]	[REDACTED]
[REDACTED]	[REDACTED]	[REDACTED]	[REDACTED]	[REDACTED]	[REDACTED]	[REDACTED]	[REDACTED]
[REDACTED]	[REDACTED]	[REDACTED]	[REDACTED]	[REDACTED]	[REDACTED]	[REDACTED]	[REDACTED]
[REDACTED]	[REDACTED]	[REDACTED]	[REDACTED]	[REDACTED]	[REDACTED]	[REDACTED]	[REDACTED]

[REDACTED]

[REDACTED]

[REDACTED]

[REDACTED] Haley (CDC/NCEZID/DFWED/EDLB) <hvw0@cdc.gov>
Sent: Wednesday, July 30, 2025 6:40 AM
To: Miko, Shanna (CDC/NCEZID/DFWED/WDPB) <rhu6@cdc.gov>; Lamba, Katherine@CDPH

<Katherine.Lamba@cdph.ca.gov>; Kahler, Amy (CDC/NCEZID/DFWED/WDPB) <ete1@cdc.gov>; Bond, Christian R@CDPH <Christian.Bond@cdph.ca.gov>; Hummadi, Omar@CDPH <Omar.Hummadi@cdph.ca.gov>; Kiang, David@CDPH <David.Kiang@cdph.ca.gov>; Mattioli, Mia Catharine (CDC/NCEZID/DFWED/WDPB) <kuk9@cdc.gov>; Parker, Thomas <TParker@buttecounty.net>; Beaudoin, Jarett <jbeaudoin@buttecounty.net>

Cc: Roundtree, Alexis V. (CDC/NCEZID/DFWED/WDPB) (CTR) <hzi5@cdc.gov>; Kunz, Jasen M.

(CDC/NCEZID/DFWED/WDPB) <izk0@cdc.gov>; Strockbine, Nancy (CDC/NCEZID/DFWED/EDLB) <nas6@cdc.gov>;

PulseNet (CDC) <pulsenet@cdc.gov>; Stainken, Cameron@CDPH <Cameron.Stainken@cdph.ca.gov>; MacGurn, Amanda

(CDC/NCEZID/DFWED/WDPB) <wmh9@cdc.gov>

Subject: RE: Consultation re: STEC O157 cases exposed to natural recreational water in Butte County, CA

Also adding @PulseNet (CDC) back to the thread for awareness. And good news - I did see all four clinical isolates on NCBI this morning. We'll be on the lookout for the shipment of goose scat samples today.

Many thanks,

Haley



Haley McKeel

Microbiologist

Centers for Disease Control and Prevention (CDC)

Department of Health and Human Services (HHS)

404-639-1612 (office)

From: Miko, Shanna (CDC/NCEZID/DFWED/WDPB) <rhu6@cdc.gov>

Sent: Wednesday, July 30, 2025 9:33 AM

To: Katherine.Lamba@cdph.ca.gov; Kahler, Amy (CDC/NCEZID/DFWED/WDPB) <ete1@cdc.gov>; McKeel, Haley (CDC/NCEZID/DFWED/EDLB) <hvw0@cdc.gov>; Christian.Bond@cdph.ca.gov; Omar.Hummadi@cdph.ca.gov; David.Kiang@cdph.ca.gov; Mattioli, Mia Catharine (CDC/NCEZID/DFWED/WDPB) <kuk9@cdc.gov>; Parker, Thomas <TParker@buttecounty.net>; Beaudoin, Jarett <jbeaudoin@buttecounty.net>; Miko, Shanna (CDC/NCEZID/DFWED/WDPB) <rhu6@cdc.gov>

Cc: Roundtree, Alexis V. (CDC/NCEZID/DFWED/WDPB) (CTR) <hzi5@cdc.gov>; Kunz, Jasen M.

(CDC/NCEZID/DFWED/WDPB) <izk0@cdc.gov>; Strockbine, Nancy (CDC/NCEZID/DFWED/EDLB) <nas6@cdc.gov>;

Stainken, Cameron (CDC cdph.ca.gov) <cameron.stainken@cdph.ca.gov>; MacGurn, Amanda

(CDC/NCEZID/DFWED/WDPB) <wmh9@cdc.gov>

Subject: RE: Consultation re: STEC O157 cases exposed to natural recreational water in Butte County, CA

Adding @Miko, Shanna (CDC/NCEZID/DFWED/WDPB) back to thread for outbreak coordination POC, I think I fell off when on leave.

From: Kunz, Jasen M. (CDC/NCEZID/DFWED/WDPB) <izk0@cdc.gov>

Sent: Tuesday, July 29, 2025 4:32 PM

To: Miko, Shanna (CDC/NCEZID/DFWED/WDPB) <rhu6@cdc.gov>

Subject: Fw: Consultation re: STEC O157 cases exposed to natural recreational water in Butte County, CA

Looks like your name was left off.

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From: Wais, Ashley <AWais@buttecounty.net>

Sent: Tuesday, July 29, 2025 3:32:05 PM

To:

Cc:

Subject: RE: Consultation re: STEC O157 cases exposed to natural recreational water in Butte County, CA

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Thank you Amy and CDC team for this update. We greatly appreciate the quick response! The goose scat samples should arrive at CDC tomorrow.

Thank you again,

Ashley Wais, MPH, CIC[®]

Epidemiologist

[BUTTE COUNTY PUBLIC HEALTH](#)

[202 Mira Loma Drive | Oroville, CA 95965](#)

T: [530-552-3950](#) | M: [530-300-4166](#)

<https://www.buttecounty.net/610/Public-Health>



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From: Lamba, Katherine@CDPH <Katherine.Lamba@cdph.ca.gov>

Sent: Tuesday, July 29, 2025 12:27 PM

To: Kahler, Amy (CDC/NCEZID/DFWED/WDPB) <ete1@cdc.gov>; McKeel, Haley (CDC/NCEZID/DFWED/EDLB) <hvw0@cdc.gov>; Wais, Ashley <AWais@buttecounty.net>; Bond, Christian R@CDPH <Christian.Bond@cdph.ca.gov>; Hummadi, Omar@CDPH <Omar.Hummadi@cdph.ca.gov>; Kiang, David@CDPH <David.Kiang@cdph.ca.gov>; Mattioli, Mia Catharine (CDC/NCEZID/DFWED/WDPB) <kuk9@cdc.gov>; Parker, Thomas <TParker@buttecounty.net>

Cc: Roundtree, Alexis V. (CDC/NCEZID/DFWED/WDPB) (CTR) <hzi5@cdc.gov>; Kunz, Jasen M. (CDC/NCEZID/DFWED/WDPB) <izk0@cdc.gov>; Strockbine, Nancy (CDC/NCEZID/DFWED/EDLB) <nas6@cdc.gov>; Stainken, Cameron@CDPH <Cameron.Stainken@cdph.ca.gov>

Subject: RE: Consultation re: STEC O157 cases exposed to natural recreational water in Butte County, CA

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Wow- BIG thank you to the CDC team for the support and the quick laboratory testing!

Quick update on CDPH end- the first 4 isolates sequenced have been given PulseNet cluster code [REDACTED] (no other isolates included in that cluster). Only 1 of the isolates [REDACTED] has shown up in NCBI so far and I've been in communication with PulseNet and our lab to sort out some submission/NCBI upload issues.

Kat

Katherine Lamba, MPH (she/her)

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From: Kahler, Amy (CDC/NCEZID/DFWED/WDPB) <ete1@cdc.gov>
Sent: Tuesday, July 29, 2025 12:16 PM
To: McKeel, Haley (CDC/NCEZID/DFWED/EDLB) <hvw0@cdc.gov>; Wais, Ashley <AWais@buttecounty.net>; Bond, Christian R@CDPH <Christian.Bond@cdph.ca.gov>; Hummadi, Omar@CDPH <Omar.Hummadi@cdph.ca.gov>; Kiang, David@CDPH <David.Kiang@cdph.ca.gov>; Mattioli, Mia Catharine (CDC/NCEZID/DFWED/WDPB) <kuk9@cdc.gov>; Lamba, Katherine@CDPH <Katherine.Lamba@cdph.ca.gov>; Parker, Thomas <TParker@buttecounty.net>
Cc: Roundtree, Alexis V. (CDC/NCEZID/DFWED/WDPB) (CTR) <hzi5@cdc.gov>; Kunz, Jasen M. (CDC/NCEZID/DFWED/WDPB) <izk0@cdc.gov>; Strockbine, Nancy (CDC/NCEZID/DFWED/EDLB) <nas6@cdc.gov>; Stainken, Cameron@CDPH <Cameron.Stainken@cdph.ca.gov>
Subject: RE: Consultation re: STEC O157 cases exposed to natural recreational water in Butte County, CA

Hi all,

We wanted to provide a few updates on the progress of environmental testing at CDC. Samples arrived in great condition on Friday and we started processing ASAP. We have detected presumptive-positive O157 isolates that are stx1-negative and stx2-positive from the following sites/samples:

- Sycamore pool water and sediment collected 7/24. There are signs that the sediment collected on 7/17 may also be positive, but our work on those isolates is still pending.
- CCNC water and sediment samples.
- 5 Mile water and sediment samples.

No O157 was detected from the Horeshoe Lake and Alligator Hole sites. We have handed off the presumptive-positive isolates to the Enteric Disease Laboratory Branch for complete workup and confirmation of these preliminary results. We'll also be conducting microbial source tracking PCR for human, ruminant, and bird markers and will follow up with those results as soon as we have them.

Thanks all,
Amy

From: McKeel, Haley (CDC/NCEZID/DFWED/EDLB) <hvw0@cdc.gov>
Sent: Friday, July 25, 2025 9:47 PM
To: Wais, Ashley <AWais@buttecounty.net>; 'Bond, Christian R@CDPH' <Christian.Bond@cdph.ca.gov>; Hummadi, Omar@CDPH <Omar.Hummadi@cdph.ca.gov>; Kiang, David@CDPH <David.Kiang@cdph.ca.gov>; Mattioli, Mia Catharine (CDC/NCEZID/DFWED/WDPB) <kuk9@cdc.gov>; Lamba, Katherine@CDPH <Katherine.Lamba@cdph.ca.gov>; Parker, Thomas <TParker@buttecounty.net>
Cc: Kahler, Amy (CDC/NCEZID/DFWED/WDPB) <ete1@cdc.gov>; Roundtree, Alexis V. (CDC/NCEZID/DFWED/WDPB) (CTR) <hzi5@cdc.gov>; Kunz, Jasen M. (CDC/NCEZID/DFWED/WDPB) <izk0@cdc.gov>; Strockbine, Nancy (CDC/NCEZID/DFWED/EDLB) <nas6@cdc.gov>; Stainken, Cameron (CDC cdph.ca.gov) <cameron.stainken@cdph.ca.gov>
Subject: RE: Consultation re: STEC O157 cases exposed to natural recreational water in Butte County, CA

Hi Ashley,
Thank you for the update and apologies for the delay in responding as I was out of the office today. The Enteric Diseases Laboratory Branch at CDC has capacity to test the geese scat samples; although, the total number may depend on available resources.

The specimens can be shipped to CDC under test order [CDC-10106 | Enteric Isolation - Primary Specimen - Non-CLIA](#) at the following address:

Attn: Haley McKeel
Centers for Disease Control and Prevention
RDSB/STAT Unit 129
1600 Clifton Road, NE
Atlanta, GA 30329
404-639-1612

As a note, all samples must be shipped in accordance with all applicable local, state, and federal regulations. Please ship for next day arrival and include ice packs in the shipment to keep the specimens cool during transit. The CDC website has some additional information regarding packing and shipping specimens: [CDC Fact Sheet](#).

I've attached a copy of our global file accessioning template that will need to be returned by email ahead of the shipment's arrival at CDC. I've prepopulated several of the fields as well as hidden many of the columns to hopefully make it easier to complete. Please populate any relevant columns (including a unique specimen ID (Column BE) for each sample collected) on the Animal tab as well as the Submitter tab with the Butte County information. Any information about the collection sites that are unique between samples would be helpful to note either in the Comments field (column FC) or in the orange Field Collection section.

Please let me know if you have any questions. I'll be back in the office on Tuesday but will be monitoring emails periodically until then as well.

Sincerely,
Haley



Haley McKeel
Microbiologist
Centers for Disease Control and Prevention (CDC)
Department of Health and Human Services (HHS)
404-639-1612 (office)

From: Wais, Ashley <AWais@buttecounty.net>
Sent: Friday, July 25, 2025 2:31 PM
To: 'Bond, Christian R@CDPH' <Christian.Bond@cdph.ca.gov>; Hummadi, Omar@CDPH <Omar.Hummadi@cdph.ca.gov>; Kiang, David@CDPH <David.Kiang@cdph.ca.gov>; Mattioli, Mia Catharine (CDC/NCEZID/DFWED/WDPB) <kuk9@cdc.gov>; Lamba, Katherine@CDPH <Katherine.Lamba@cdph.ca.gov>; Parker, Thomas <TParker@buttecounty.net>; McKeel, Haley (CDC/NCEZID/DFWED/EDLB) <hvw0@cdc.gov>
Cc: Kahler, Amy (CDC/NCEZID/DFWED/WDPB) <ete1@cdc.gov>; Roundtree, Alexis V. (CDC/NCEZID/DFWED/WDPB) (CTR) <hzi5@cdc.gov>; Kunz, Jasen M. (CDC/NCEZID/DFWED/WDPB) <izk0@cdc.gov>; Stainken, Cameron (CDC cdph.ca.gov) <cameron.stainken@cdph.ca.gov>
Subject: RE: Consultation re: STEC O157 cases exposed to natural recreational water in Butte County, CA

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Hi all-

I spoke with Christian over the phone to discuss the goose scat sample testing. During our discussion, it was decided that it would be best to send the samples over to the CDC lab due to staffing issues at the CDPH lab. I also spoke with Mia and it seems like the CDC lab does have capacity to test those samples. We collected a total of 9 goose scat samples in Cary Blair Transport Medium.

CDC: Please share what location these samples should be shipped to and any other pertinent details (I am assuming these should be shipped with ice packs?). We were not planning on shipping until Monday.

Thank you all for your support with this endeavor. It is greatly appreciated.

Kindly,

Ashley Wais, MPH, CIC[®]

Epidemiologist

[BUTTE COUNTY PUBLIC HEALTH](#)

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From: Bond, Christian R@CDPH <Christian.Bond@cdph.ca.gov>

Sent: Friday, July 25, 2025 10:57 AM

To: Wais, Ashley <AWais@buttecounty.net>; Hummadi, Omar@CDPH <Omar.Hummadi@cdph.ca.gov>; Kiang, David@CDPH <David.Kiang@cdph.ca.gov>; Mattioli, Mia Catharine (CDC/NCEZID/DFWED/WDPB) <kuk9@cdc.gov>; Lamba, Katherine@CDPH <Katherine.Lamba@cdph.ca.gov>; Parker, Thomas <TParker@buttecounty.net>; McKeel, Haley (CDC/NCEZID/DFWED/EDLB) <hvw0@cdc.gov>

Cc: Kahler, Amy (CDC/NCEZID/DFWED/WDPB) <ete1@cdc.gov>; Roundtree, Alexis V. (CDC/NCEZID/DFWED/WDPB) (CTR) <hzi5@cdc.gov>; Kunz, Jasen M. (CDC/NCEZID/DFWED/WDPB) <izk0@cdc.gov>; Stainken, Cameron@CDPH <Cameron.Stainken@cdph.ca.gov>

Subject: RE: Consultation re: STEC O157 cases exposed to natural recreational water in Butte County, CA

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Hi Ashley,

My team is extremely short-staffed next week due to other assignments, and we will not have personnel to receive samples on either Tuesday or Wednesday. Would it be possible to send a team member to handoff the samples to my team at a midpoint on Monday morning? Maybe somewhere in Yuba City or Marysville?

Christian Bond
Chief, Emergency Response Unit
California Department of Public Health
(916) 612-3625

Confidential - Low

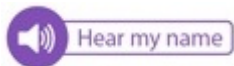
From: Wais, Ashley <AWais@buttecounty.net>
Sent: Friday, July 25, 2025 10:48 AM
To: Hummadi, Omar@CDPH <Omar.Hummadi@cdph.ca.gov>; Kiang, David@CDPH <David.Kiang@cdph.ca.gov>; Mattioli, Mia Catharine (CDC/NCEZID/DFWED/WDPB) <kuk9@cdc.gov>; Lamba, Katherine@CDPH <Katherine.Lamba@cdph.ca.gov>; Parker, Thomas <TParker@buttecounty.net>; McKeel, Haley (CDC/NCEZID/DFWED/EDLB) <hvw0@cdc.gov>
Cc: Kahler, Amy (CDC/NCEZID/DFWED/WDPB) <ete1@cdc.gov>; Roundtree, Alexis V. (CDC/NCEZID/DFWED/WDPB) (CTR) <hjz5@cdc.gov>; Kunz, Jasen M. (CDC/NCEZID/DFWED/WDPB) <izk0@cdc.gov>; Stainken, Cameron@CDPH <Cameron.Stainken@cdph.ca.gov>; Bond, Christian R@CDPH <Christian.Bond@cdph.ca.gov>
Subject: Re: Consultation re: STEC O157 cases exposed to natural recreational water in Butte County, CA

You don't often get email from awais@buttecounty.net. [Learn why this is important](#)

Hi Omar,
Thank you for the update. We do not plan to ship until Monday. I will let our lab know we are waiting for more details from CDPH regarding shipping method.

Thank you,

Ashley Wais, MPH, CIC®
Epidemiologist
[BUTTE COUNTY PUBLIC HEALTH](#)
[202 Mira Loma Drive | Oroville, CA 95965](#)
T: [530-552-3950](tel:530-552-3950) | M: [530-300-4166](tel:530-300-4166)
<https://www.buttecounty.net/610/Public-Health>



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From: Hummadi, Omar@CDPH <Omar.Hummadi@cdph.ca.gov>

Sent: Friday, July 25, 2025 10:26 AM

To: Wais, Ashley <AWais@buttecounty.net>; Kiang, David@CDPH <David.Kiang@cdph.ca.gov>; Mattioli, Mia Catharine (CDC/NCEZID/DFWED/WDPB) <kuk9@cdc.gov>; Lamba, Katherine@CDPH <Katherine.Lamba@cdph.ca.gov>; Parker, Thomas <TParker@buttecounty.net>; McKeel, Haley (CDC/NCEZID/DFWED/EDLB) <hvw0@cdc.gov>

Cc: Kahler, Amy (CDC/NCEZID/DFWED/WDPB) <ete1@cdc.gov>; Roundtree, Alexis V. (CDC/NCEZID/DFWED/WDPB) (CTR) <hjz5@cdc.gov>; Kunz, Jasen M. (CDC/NCEZID/DFWED/WDPB) <izk0@cdc.gov>; Stainken, Cameron@CDPH <Cameron.Stainken@cdph.ca.gov>; Bond, Christian R@CDPH <Christian.Bond@cdph.ca.gov>

Subject: RE: Consultation re: STEC O157 cases exposed to natural recreational water in Butte County, CA

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Hi Ashley,

You are welcome! Please hold off on shipping the samples until I get a confirmation from Christian bond regarding the sample's delivery method.

Yes, ship the samples with ice packs and Butte County PHL chain of custody forms it's perfectly fine 👍

Regards,

Omar Hummadi
Senior Environmental Scientist Specialist
CDPH - FDB - ERU

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From: Wais, Ashley <AWais@buttecounty.net>

Sent: Friday, July 25, 2025 10:05 AM

To: Hummadi, Omar@CDPH <Omar.Hummadi@cdph.ca.gov>; Kiang, David@CDPH <David.Kiang@cdph.ca.gov>; Mattioli, Mia Catharine (CDC/NCEZID/DFWED/WDPB) <kuk9@cdc.gov>; Lamba, Katherine@CDPH <Katherine.Lamba@cdph.ca.gov>; Parker, Thomas <TParker@buttecounty.net>; McKeel, Haley (CDC/NCEZID/DFWED/EDLB) <hvw0@cdc.gov>

Cc: Kahler, Amy (CDC/NCEZID/DFWED/WDPB) <ete1@cdc.gov>; Roundtree, Alexis V. (CDC/NCEZID/DFWED/WDPB) (CTR) <hjz5@cdc.gov>; Kunz, Jasen M. (CDC/NCEZID/DFWED/WDPB) <izk0@cdc.gov>; Stainken, Cameron@CDPH <Cameron.Stainken@cdph.ca.gov>; Bond, Christian R@CDPH <Christian.Bond@cdph.ca.gov>

Subject: RE: Consultation re: STEC O157 cases exposed to natural recreational water in Butte County, CA

Hi Omar,

Thank you for the update. Should the shipment be on ice packs? Is there any other details we should be aware of? Butte County PHL has their own chain of custody forms. Is it ok to use those?

Thank you,

Ashley Wais, MPH, CIC®

Epidemiologist

[BUTTE COUNTY PUBLIC HEALTH](#)
[202 Mira Loma Drive | Oroville, CA 95965](#)

T: [530-552-3950](tel:530-552-3950) | M: [530-300-4166](tel:530-300-4166)



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From: Hummadi, Omar@CDPH <Omar.Hummadi@cdph.ca.gov>

Sent: Friday, July 25, 2025 7:27 AM

To: Wais, Ashley <AWais@buttecounty.net>; Kiang, David@CDPH <David.Kiang@cdph.ca.gov>; Mattioli, Mia Catharine (CDC/NCEZID/DFWED/WDPB) <kuk9@cdc.gov>; Lamba, Katherine@CDPH <Katherine.Lamba@cdph.ca.gov>; Parker, Thomas <TParker@buttecounty.net>; McKeel, Haley (CDC/NCEZID/DFWED/EDLB) <hvw0@cdc.gov>

Cc: Kahler, Amy (CDC/NCEZID/DFWED/WDPB) <ete1@cdc.gov>; Roundtree, Alexis V. (CDC/NCEZID/DFWED/WDPB) (CTR) <hzy5@cdc.gov>; Kunz, Jasen M. (CDC/NCEZID/DFWED/WDPB) <izk0@cdc.gov>; Stainken, Cameron@CDPH <Cameron.Stainken@cdph.ca.gov>; Bond, Christian R@CDPH <Christian.Bond@cdph.ca.gov>

Subject: RE: Consultation re: STEC O157 cases exposed to natural recreational water in Butte County, CA

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Good morning, everyone!

Ashley - Ship the samples to Christian Bond at:

California Department of Public Health
Food and Drug Branch
1500 Capitol Ave MS 7602
Sacramento, CA, 95814

Note: Please make sure to include all the chain of custody forms/documents.

Happy Friday!

Regards,

Omar Hummadi
Senior Environmental Scientist
Foodborne Illness Outbreak Specialist
Desk Phone: 916-319-9661
Cell phone: 916-591-1374
Fax number: 916-636-6013
E-mail: Omar.Hummadi@cdph.ca.gov

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From: Wais, Ashley <AWais@buttecounty.net>
Sent: Friday, July 25, 2025 7:04 AM
To: Kiang, David@CDPH <David.Kiang@cdph.ca.gov>; Mattioli, Mia Catharine (CDC/NCEZID/DFWED/WDPB) <kuk9@cdc.gov>; Lamba, Katherine@CDPH <Katherine.Lamba@cdph.ca.gov>; Parker, Thomas <TParker@buttecounty.net>; McKeel, Haley (CDC/NCEZID/DFWED/EDLB) <hvw0@cdc.gov>; Hummadi, Omar@CDPH <Omar.Hummadi@cdph.ca.gov>
Cc: Kahler, Amy (CDC/NCEZID/DFWED/WDPB) <ete1@cdc.gov>; Roundtree, Alexis V. (CDC/NCEZID/DFWED/WDPB) (CTR) <hzi5@cdc.gov>; Kunz, Jasen M. (CDC/NCEZID/DFWED/WDPB) <izk0@cdc.gov>; Stainken, Cameron@CDPH <Cameron.Stainken@cdph.ca.gov>; Bond, Christian R@CDPH <Christian.Bond@cdph.ca.gov>
Subject: Re: Consultation re: STEC O157 cases exposed to natural recreational water in Butte County, CA

Hi Dr. Kiang,

Thank you for this update. We collected goose scat in the tubes with Cary Blair. We should have no more than 10 samples. What is the process for sending to CDPH? Do you usually receive shipments from our Butte County PHL. I just wanted to check in case there is already a process in place we can use.

Thank you,

Ashley Wais, MPH, CIC®

Epidemiologist

[BUTTE COUNTY PUBLIC HEALTH](#)

[202 Mira Loma Drive | Oroville, CA 95965](#)

T: [530-552-3950](tel:530-552-3950) | M: [530-300-4166](tel:530-300-4166)

<https://www.buttecounty.net/610/Public-Health>



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From: Kiang, David@CDPH <David.Kiang@cdph.ca.gov>
Sent: Thursday, July 24, 2025 5:40 PM
To: Mattioli, Mia Catharine (CDC/NCEZID/DFWED/WDPB) <kuk9@cdc.gov>; Lamba, Katherine@CDPH <Katherine.Lamba@cdph.ca.gov>; Wais, Ashley <AWais@buttecounty.net>; Parker, Thomas <TParker@buttecounty.net>; McKeel, Haley (CDC/NCEZID/DFWED/EDLB) <hvw0@cdc.gov>; Hummadi, Omar@CDPH <Omar.Hummadi@cdph.ca.gov>
Cc: Kahler, Amy (CDC/NCEZID/DFWED/WDPB) <ete1@cdc.gov>; Roundtree, Alexis V. (CDC/NCEZID/DFWED/WDPB) (CTR) <hzi5@cdc.gov>; Kunz, Jasen M. (CDC/NCEZID/DFWED/WDPB) <izk0@cdc.gov>; Stainken, Cameron@CDPH

<Cameron.Stainken@cdph.ca.gov>; Bond, Christian R@CDPH <Christian.Bond@cdph.ca.gov>; Kiang, David@CDPH <David.Kiang@cdph.ca.gov>

Subject: RE: Consultation re: STEC O157 cases exposed to natural recreational water in Butte County, CA

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Hi Mia,

If they don't have bags, the preference is to collect them as is in the 50 ml conicals. If they're already collected in Cary Blair, It's fine, we can still take them.

Thanks,
David

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From: Mattioli, Mia Catharine (CDC/NCEZID/DFWED/WDPB) <kuk9@cdc.gov>

Sent: Thursday, July 24, 2025 12:35 PM

To: Kiang, David@CDPH <David.Kiang@cdph.ca.gov>; Lamba, Katherine@CDPH <Katherine.Lamba@cdph.ca.gov>; Wais, Ashley <AWais@buttecounty.net>; Parker, Thomas <TParker@buttecounty.net>; McKeel, Haley (CDC/NCEZID/DFWED/EDLB) <hvw0@cdc.gov>; Hummadi, Omar@CDPH <Omar.Hummadi@cdph.ca.gov>

Cc: Kahler, Amy (CDC/NCEZID/DFWED/WDPB) <ete1@cdc.gov>; Roundtree, Alexis V. (CDC/NCEZID/DFWED/WDPB) (CTR) <hzi5@cdc.gov>; Kunz, Jasen M. (CDC/NCEZID/DFWED/WDPB) <izk0@cdc.gov>; Stainken, Cameron@CDPH <Cameron.Stainken@cdph.ca.gov>; Bond, Christian R@CDPH <Christian.Bond@cdph.ca.gov>; Kiang, David@CDPH <David.Kiang@cdph.ca.gov>

Subject: Re: Consultation re: STEC O157 cases exposed to natural recreational water in Butte County, CA

Hi David,

Thanks so much. Unfortunately, the team doesn't have the bags and snips with them in the field. Will you accept them in Cary Blair? If not, they can send the CDC enterics lab.

Thanks!

Mia

Mia Catharine Mattioli
Environmental Engineer
Centers for Disease Control and Prevention (CDC)
Department of Health and Human Services (HHS)
Office: 404-718-5643

From: Kiang, David@CDPH <David.Kiang@cdph.ca.gov>

Sent: Thursday, July 24, 2025 2:51:14 PM

To: Lamba, Katherine@CDPH <Katherine.Lamba@cdph.ca.gov>; Mattioli, Mia Catharine (CDC/NCEZID/DFWED/WDPB) <kuk9@cdc.gov>; Wais, Ashley <AWais@buttecounty.net>; Parker, Thomas <TParker@buttecounty.net>; McKeel, Haley (CDC/NCEZID/DFWED/EDLB) <hvw0@cdc.gov>; Hummadi, Omar@CDPH <Omar.Hummadi@cdph.ca.gov>

Cc: Kahler, Amy (CDC/NCEZID/DFWED/WDPB) <ete1@cdc.gov>; Roundtree, Alexis V. (CDC/NCEZID/DFWED/WDPB) (CTR) <hj5@cdc.gov>; Kunz, Jasen M. (CDC/NCEZID/DFWED/WDPB) <izk0@cdc.gov>; Stainken, Cameron (CDC cdpH.ca.gov) <cameron.stainken@cdph.ca.gov>; Bond, Christian R@CDPH <Christian.Bond@cdph.ca.gov>; Kiang, David@CDPH <David.Kiang@cdph.ca.gov>

Subject: RE: Consultation re: STEC O157 cases exposed to natural recreational water in Butte County, CA

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Hi Kat,

We'd recommend collecting the scat directly into the Whirl-Pak bags using sterile scoops or spatulas as outlined by Omar in the email below and transporting to the FDB on ice packs. We prefer not to have them transported in Cary Blair.

Thanks,
David

David Kiang, PH.D.
Microbiology Section Chief
Food and Drug Laboratory Branch
California Department of Public Health
850 Marina Bay Parkway, G365
Richmond, CA 94804
(510) 412-3963
david.kiang@cdph.ca.gov



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From: Lamba, Katherine@CDPH <Katherine.Lamba@cdph.ca.gov>
Sent: Thursday, July 24, 2025 11:38 AM
To: Mattioli, Mia Catharine (CDC/NCEZID/DFWED/WDPB) <kuk9@cdc.gov>; Wais, Ashley <AWais@buttecounty.net>; Parker, Thomas <TParker@buttecounty.net>; McKeel, Haley (CDC/NCEZID/DFWED/EDLB) <hvw0@cdc.gov>; Hummadi, Omar@CDPH <Omar.Hummadi@cdph.ca.gov>; Kiang, David@CDPH <David.Kiang@cdph.ca.gov>
Cc: Kahler, Amy (CDC/NCEZID/DFWED/WDPB) <ete1@cdc.gov>; Roundtree, Alexis V. (CDC/NCEZID/DFWED/WDPB) (CTR) <hzi5@cdc.gov>; Kunz, Jasen M. (CDC/NCEZID/DFWED/WDPB) <izk0@cdc.gov>; Stainken, Cameron@CDPH <Cameron.Stainken@cdph.ca.gov>; Bond, Christian R@CDPH <Christian.Bond@cdph.ca.gov>
Subject: RE: Consultation re: STEC O157 cases exposed to natural recreational water in Butte County, CA

Hi Mia,

We have some folks out of the office today, so including @Hummadi, Omar@CDPH and @Kiang, David (CDPH-PS-DFDRS-FDLB) from Food and Drug and Food and Drug lab directly to advise which of the containers below for goose scat testing.

Kat

Katherine Lamba, MPH (she/her)
California Department of Public Health
Phone: 510-620-3429 | Email: Katherine.Lamba@cdph.ca.gov

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From: Mattioli, Mia Catharine (CDC/NCEZID/DFWED/WDPB) <kuk9@cdc.gov>
Sent: Thursday, July 24, 2025 11:30 AM
To: Lamba, Katherine@CDPH <Katherine.Lamba@cdph.ca.gov>; Wais, Ashley <AWais@buttecounty.net>; Parker, Thomas <TParker@buttecounty.net>; McKeel, Haley (CDC/NCEZID/DFWED/EDLB) <hvw0@cdc.gov>
Cc: Kahler, Amy (CDC/NCEZID/DFWED/WDPB) <ete1@cdc.gov>; Roundtree, Alexis V. (CDC/NCEZID/DFWED/WDPB) (CTR) <hzi5@cdc.gov>; Kunz, Jasen M. (CDC/NCEZID/DFWED/WDPB) <izk0@cdc.gov>; Stainken, Cameron@CDPH <Cameron.Stainken@cdph.ca.gov>; Bond, Christian R@CDPH <Christian.Bond@cdph.ca.gov>
Subject: RE: Consultation re: STEC O157 cases exposed to natural recreational water in Butte County, CA

Hi Ashley,

Thanks so much for sending this info! Ashley is out into the field with two 50-ml falcon tubes (empty) and ten 30-ml tubes filled with 15-ml of Cary Blair since that's what the CDC enterics lab recommended.

Which would you prefer she collect samples in for the scat testing?

Thanks!

Mia

Mia Catharine Mattioli
Environmental Engineer
Centers for Disease Control and Prevention (CDC)
Department of Health and Human Services (HHS)
Office: (404) 718-5643

From: Lamba, Katherine@CDPH <Katherine.Lamba@cdph.ca.gov>

Sent: Thursday, July 24, 2025 1:09 PM

To: Wais, Ashley <AWais@buttecounty.net>; Mattioli, Mia Catharine (CDC/NCEZID/DFWED/WDPB) <kuk9@cdc.gov>; Parker, Thomas <TParker@buttecounty.net>; McKeel, Haley (CDC/NCEZID/DFWED/EDLB) <hvw0@cdc.gov>

Cc: Kahler, Amy (CDC/NCEZID/DFWED/WDPB) <ete1@cdc.gov>; Roundtree, Alexis V. (CDC/NCEZID/DFWED/WDPB) (CTR) <hzi5@cdc.gov>; Kunz, Jasen M. (CDC/NCEZID/DFWED/WDPB) <izk0@cdc.gov>; Stainken, Cameron (CDC cdph.ca.gov) <cameron.stainken@cdph.ca.gov>; Bond, Christian R@CDPH <Christian.Bond@cdph.ca.gov>

Subject: RE: Consultation re: STEC O157 cases exposed to natural recreational water in Butte County, CA

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Hi Ashley,

Apologies for the delay. Sharing a few updates after gathering some additional information from our EH and lab folks:

- Goose feces samples can be tested by the CDPH Food and Drug Laboratory Branch. At this time they have capacity to test 10-20 goose feces samples
- Supplies needed for collection:
 - Sterile disposable spatulas or scoop.
 - Sterile 24 oz or 55 oz Whirl-Pak Bags.
 - Gloves.
- Ship the samples along with sealed controls of all the collection supplies that were used, with ice packs (optional) to the below address. The samples will be shipped to the CDPH Food and Drug Branch for logging before forwarded to the laboratory.
- Shipping: Please ship the samples to Christian Bond at:
California Department of Public Health
Food and Drug Branch
1500 Capitol Ave MS 7602
Sacramento, CA, 95814

Please let me know if you have additional questions for our EH/lab team at this time.

Thanks,
Kat

Katherine Lamba, MPH (she/her)
California Department of Public Health
Phone: 510-620-3429 | Email: Katherine.Lamba@cdph.ca.gov

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From: Wais, Ashley <AWais@buttecounty.net>

Sent: Wednesday, July 23, 2025 9:27 AM

To: Lamba, Katherine@CDPH <Katherine.Lamba@cdph.ca.gov>; Mattioli, Mia Catharine (CDC/NCEZID/DFWED/WDPB) <kuk9@cdc.gov>; Parker, Thomas <TParker@buttecounty.net>; McKeel, Haley (CDC/NCEZID/DFWED/EDLB) <hvw0@cdc.gov>

Cc: Kahler, Amy (CDC/NCEZID/DFWED/WDPB) <ete1@cdc.gov>; Roundtree, Alexis V. (CDC/NCEZID/DFWED/WDPB)

(CTR) <hzy5@cdc.gov>; Kunz, Jasen M. (CDC/NCEZID/DFWED/WDPB) <izk0@cdc.gov>

Subject: RE: Consultation re: STEC O157 cases exposed to natural recreational water in Butte County, CA

Hi Kat,

Thank you for this update.

If we could have a list of the supplies that would be needed to collect the samples, I can check with our lab to see if we have them.

Thank you,

Ashley Wais, MPH, CIC®

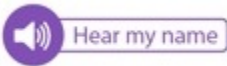
Epidemiologist

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From: Lamba, Katherine@CDPH <Katherine.Lamba@cdph.ca.gov>

Sent: Wednesday, July 23, 2025 9:13 AM

To: Mattioli, Mia Catharine (CDC/NCEZID/DFWED/WDPB) <kuk9@cdc.gov>; Wais, Ashley <AWais@buttecounty.net>; Parker, Thomas <TParker@buttecounty.net>; McKeel, Haley (CDC/NCEZID/DFWED/EDLB) <hvw0@cdc.gov>

Cc: Kahler, Amy (CDC/NCEZID/DFWED/WDPB) <ete1@cdc.gov>; Roundtree, Alexis V. (CDC/NCEZID/DFWED/WDPB) (CTR) <hzy5@cdc.gov>; Kunz, Jasen M. (CDC/NCEZID/DFWED/WDPB) <izk0@cdc.gov>

Subject: RE: Consultation re: STEC O157 cases exposed to natural recreational water in Butte County, CA

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Hi all,

We have capacity at one of our labs for the goose scat testing at CDPH (Food and Drug lab)- I will check with a 2nd (MDL) as well and loop in the appropriate folks regarding # of samples they have capacity to test at this time.

@Wais, Ashley and team, will you need collection supplies? Will get back to you soon with additional information.

Kat

Katherine Lamba, MPH (she/her)

California Department of Public Health

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From: Mattioli, Mia Catharine (CDC/NCEZID/DFWED/WDPB) <kuk9@cdc.gov>

Sent: Wednesday, July 23, 2025 7:49 AM

To: Wais, Ashley <AWais@buttecounty.net>; Parker, Thomas <TParker@buttecounty.net>; McKeel, Haley (CDC/NCEZID/DFWED/EDLB) <hvw0@cdc.gov>; Lamba, Katherine@CDPH <Katherine.Lamba@cdph.ca.gov>

Cc: Kahler, Amy (CDC/NCEZID/DFWED/WDPB) <ete1@cdc.gov>; Roundtree, Alexis V. (CDC/NCEZID/DFWED/WDPB) (CTR) <hzi5@cdc.gov>; Kunz, Jasen M. (CDC/NCEZID/DFWED/WDPB) <izk0@cdc.gov>

Subject: RE: Consultation re: STEC O157 cases exposed to natural recreational water in Butte County, CA

Hi Ashley,

Thanks so much for bringing this up! Unfortunately, our lab can't do the animal fecal the testing, but I thought on the call CDPH lab said they could do the fecal testing similar to Lake Wildwood. [@Lamba, Katherine@CDPH](#), would you be able to check with your lab about the animal fecal testing?

If CDPH is unavailable, CDC enterics may be able to support, but I believe they have limited capacity and need samples collected in transport media (Cary Blair). [@McKeel, Haley \(CDC/NCEZID/DFWED/EDLB\)](#) is that correct?

For scat sampling supplies, we only sent the new plastic tarp I mentioned that is helpful for goose scat if you see a flock when sampling. You can bring crackers to lure them to the tarp, but it can be tricky as you would imagine.

Let me know if helpful to discuss further!

Mia

Mia Catharine Mattioli
Environmental Engineer
Centers for Disease Control and Prevention (CDC)
Department of Health and Human Services (HHS)
Office: (404) 718-5643

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From: Wais, Ashley <AWais@buttecounty.net>

Sent: Tuesday, July 22, 2025 6:57 PM

To: Parker, Thomas <TParker@buttecounty.net>; Mattioli, Mia Catharine (CDC/NCEZID/DFWED/WDPB) <kuk9@cdc.gov>

Cc: Kahler, Amy (CDC/NCEZID/DFWED/WDPB) <ete1@cdc.gov>; Roundtree, Alexis V. (CDC/NCEZID/DFWED/WDPB) (CTR) <hzi5@cdc.gov>; McKeel, Haley (CDC/NCEZID/DFWED/EDLB) <hvw0@cdc.gov>; Lamba, Katherine@CDPH <Katherine.Lamba@cdph.ca.gov>; Kunz, Jasen M. (CDC/NCEZID/DFWED/WDPB) <izk0@cdc.gov>

Subject: RE: Consultation re: STEC O157 cases exposed to natural recreational water in Butte County, CA

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Hi Mia,

Thank you for this insight. Do you have any guidance/recommendations on how to collect animal feces samples (most likely from geese, possibly cattle)? If we are successful in collecting these samples, are we able to include them in the main shipment?

Thank you,

Ashley Wais, MPH, CIC®

Epidemiologist

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[202 Mira Loma Drive | Oroville, CA 95965](#)

T: 530-552-3950 | M: 530-300-4166

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From: Parker, Thomas <TParker@buttecounty.net>

Sent: Tuesday, July 22, 2025 2:55 PM

To: 'Mattioli, Mia Catharine (CDC/NCEZID/DFWED/WDPB)' <kuk9@cdc.gov>

Cc: Kahler, Amy (CDC/NCEZID/DFWED/WDPB) <ete1@cdc.gov>; Roundtree, Alexis V. (CDC/NCEZID/DFWED/WDPB) (CTR) <hzi5@cdc.gov>; McKeel, Haley (CDC/NCEZID/DFWED/EDLB) <hvw0@cdc.gov>; Lamba, Katherine@CDPH <Katherine.Lamba@cdph.ca.gov>; Wais, Ashley <AWais@buttecounty.net>; Kunz, Jasen M. (CDC/NCEZID/DFWED/WDPB) <izk0@cdc.gov>

Subject: RE: Consultation re: STEC O157 cases exposed to natural recreational water in Butte County, CA

Thank you for all of the information!

Thomas Parker

Program Manager, Hazardous Materials

[BUTTE COUNTY PUBLIC HEALTH](#)

[202 Mira Loma Drive | Oroville, CA 95965](#)

T: 530.552.3870 | D: [530.552.3870](tel:530.552.3870)

**Environmental Health Fees are being amended to include an ECI increase. The fees go into effect 01/01/2024..*

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From: Mattioli, Mia Catharine (CDC/NCEZID/DFWED/WDPB) <kuk9@cdc.gov>

Sent: Tuesday, July 22, 2025 2:43 PM

To: Parker, Thomas <TParker@buttecounty.net>

Cc: Kahler, Amy (CDC/NCEZID/DFWED/WDPB) <ete1@cdc.gov>; Roundtree, Alexis V. (CDC/NCEZID/DFWED/WDPB) (CTR) <hzi5@cdc.gov>; McKeel, Haley (CDC/NCEZID/DFWED/EDLB) <hvw0@cdc.gov>; Lamba, Katherine@CDPH <Katherine.Lamba@cdph.ca.gov>; Wais, Ashley <AWais@buttecounty.net>; Kunz, Jasen M. (CDC/NCEZID/DFWED/WDPB) <izk0@cdc.gov>

Subject: RE: Consultation re: STEC O157 cases exposed to natural recreational water in Butte County, CA

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Sorry for all the emails! I also meant to note that the batteries for the pump have been fully charge so should be ready to go. The pH probe will need to be calibrated in the field due to the dependence on air temperature. However, we have provided the manual and 3 standard solutions with the probe.

Thanks again!

Mia

Mia Catharine Mattioli
Environmental Engineer
Centers for Disease Control and Prevention (CDC)
Department of Health and Human Services (HHS)
Office: (404) 718-5643

Highly Sensitive/Any User (No encryption)

From: Mattioli, Mia Catharine (CDC/NCEZID/DFWED/WDPB)

Sent: Tuesday, July 22, 2025 5:40 PM

To: Parker, Thomas <TParker@buttecounty.net>

Cc: Kahler, Amy (CDC/NCEZID/DFWED/WDPB) <ete1@cdc.gov>; Roundtree, Alexis V. (CDC/NCEZID/DFWED/WDPB) (CTR) <hzi5@cdc.gov>; McKeel, Haley (CDC/NCEZID/DFWED/EDLB) <hvw0@cdc.gov>; Lamba, Katherine@CDPH <Katherine.Lamba@cdph.ca.gov>; Wais, Ashley <AWais@buttecounty.net>; Kunz, Jasen M. (CDC/NCEZID/DFWED/WDPB) <izk0@cdc.gov>

Subject: RE: Consultation re: STEC O157 cases exposed to natural recreational water in Butte County, CA

Apologies for not highlighting this in the quick guide. Please start sampling furthers **downstream** and move upstream. This will ensure separate parcels of water are sampled at each site from the flowing source.

Thanks again!

Mia

Mia Catharine Mattioli
Environmental Engineer
Centers for Disease Control and Prevention (CDC)
Department of Health and Human Services (HHS)
Office: (404) 718-5643

From: Mattioli, Mia Catharine (CDC/NCEZID/DFWED/WDPB)
Sent: Tuesday, July 22, 2025 5:39 PM
To: Parker, Thomas <TParker@buttecounty.net>
Cc: Kahler, Amy (CDC/NCEZID/DFWED/WDPB) <ete1@cdc.gov>; Roundtree, Alexis V. (CDC/NCEZID/DFWED/WDPB) (CTR) <hzi5@cdc.gov>; McKeel, Haley (CDC/NCEZID/DFWED/EDLB) <hvw0@cdc.gov>; Lamba, Katherine@CDPH <Katherine.Lamba@cdph.ca.gov>; Wais, Ashley <AWais@buttecounty.net>; Kunz, Jasen M. (CDC/NCEZID/DFWED/WDPB) <izk0@cdc.gov>
Subject: RE: Consultation re: STEC O157 cases exposed to natural recreational water in Butte County, CA

Hi Thomas,

The sampling supplies have been shipping and should arrive tomorrow morning (FedEx tracking number **450145173848**).

I've attached a quick guide for sampling and shipping based on our discussion on sampling sites. The shipping information back to CDC is also pasted in this email below, and of note, please ship the samples on ice (not frozen) **first overnight via FedEx**. The ice packs we have provided could not be shipped frozen so please freeze before sampling or use alternative blue ice.

I have also attached our protocol for your reference and an electronic copy of our Chain of Custody form, though both are provided as print outs on a clipboard with the sampling supplies.

Let us know as soon as you can what day you plan to sample. This will help us to plan in the labs for testing. My cell number is [REDACTED]. Don't hesitate to call if you have any questions at all.

Thanks!

Mia

Mia Catharine Mattioli
Environmental Engineer
Centers for Disease Control and Prevention (CDC)
Department of Health and Human Services (HHS)
Office: (404) 718-5643

From: Parker, Thomas <TParker@buttecounty.net>
Sent: Tuesday, July 22, 2025 2:46 PM
To: Mattioli, Mia Catharine (CDC/NCEZID/DFWED/WDPB) <kuk9@cdc.gov>; Kahler, Amy (CDC/NCEZID/DFWED/WDPB) <ete1@cdc.gov>
Subject: RE: Consultation re: STEC O157 cases exposed to natural recreational water in Butte County, CA

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No worries, Mia and thanks for the response. That really helps. Will you be sending us a meter for water quality parameters (pH, temp, ect.)? I've used one in the past so I can certainly do that if it is helpful.

Thanks,

Thomas Parker
Program Manager, Hazardous Materials
[BUTTE COUNTY PUBLIC HEALTH](#)

[202 Mira Loma Drive | Oroville, CA 95965](#)
T: 530.552.3870 | D: [530.552.3870](#)

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From: Mattioli, Mia Catharine (CDC/NCEZID/DFWED/WDPB) <kuk9@cdc.gov>
Sent: Tuesday, July 22, 2025 11:34 AM
To: Parker, Thomas <TParker@buttecounty.net>; Kahler, Amy (CDC/NCEZID/DFWED/WDPB) <ete1@cdc.gov>
Subject: RE: Consultation re: STEC O157 cases exposed to natural recreational water in Butte County, CA

ATTENTION: This message originated from outside **Butte County**. Please exercise judgment before opening attachments, clicking on links, or replying.

Hi Thomas,

Apologies for the delayed response! We were shipping the supplies to you this morning. I will share the FedEx tracking number ASAP.

For the sediment, yes. That is the correct procedure to collect. Nothing fancy!

We seal the bottles (especially the sediment ones) with parafilm (provided), and then we have a sterile zip-lock bag for you to put that sediment bottle into for secondary containment. We don't use custody seals since this is non-regulatory.

I will be sending you a quick guide list of sampling sites and measurements for each site. But I'd be happy to review with you when you are done. We sincerely appreciate your thoroughness!

Mia

Mia Catharine Mattioli
Environmental Engineer
Centers for Disease Control and Prevention (CDC)
Department of Health and Human Services (HHS)
Office: (404) 718-5643

From: Parker, Thomas <TParker@buttecounty.net>
Sent: Tuesday, July 22, 2025 11:51 AM
To: Kahler, Amy (CDC/NCEZID/DFWED/WDPB) <ete1@cdc.gov>
Cc: Mattioli, Mia Catharine (CDC/NCEZID/DFWED/WDPB) <kuk9@cdc.gov>
Subject: RE: Consultation re: STEC O157 cases exposed to natural recreational water in Butte County, CA

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Hi Amy and Mia- I am finishing up my sampling plan this morning and had a few questions regarding the sediment sampling. My understanding from the phone call is that we will fill a 1 Liter bottle half full with the sediment, using a disposable scoop and drain off as much water as possible. Is this a poly bottle with a wide top or just a normal 1 liter bottle? Also, does the pack you sent contain custody seals as well? I can use tape if not. Also, after I complete my sampling plan, is there a chance one of you can do a quick review to make sure I am not missing anything or have something wrong in the process? I am trying to be as thorough as possible in case we have future sampling and I am not available.

Thanks,

Thomas Parker

Program Manager, Hazardous Materials
[BUTTE COUNTY PUBLIC HEALTH](#)
[202 Mira Loma Drive | Oroville, CA 95965](#)
T: 530.552.3870 | D: [530.552.3870](#)

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From: Kahler, Amy (CDC/NCEZID/DFWED/WDPB) <ete1@cdc.gov>

Sent: Monday, July 21, 2025 12:30 PM

To: Parker, Thomas <TParker@buttecounty.net>

Cc: Mattioli, Mia Catharine (CDC/NCEZID/DFWED/WDPB) <kuk9@cdc.gov>

Subject: RE: Consultation re: STEC O157 cases exposed to natural recreational water in Butte County, CA

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Hi Thomas,

We will send you two small-ish batteries to use. Both batteries will fit into the pump case and it will be heavy but portable. In a pinch you can also use the adapter that plugs into the cigarette lighter contraption in a car (I don't know what it's called any more). We'll send the cables for both options – although the battery option is the easiest.

Thanks,
Amy

From: Parker, Thomas <TParker@buttecounty.net>

Sent: Monday, July 21, 2025 3:24 PM

To: Kahler, Amy (CDC/NCEZID/DFWED/WDPB) <ete1@cdc.gov>

Cc: Mattioli, Mia Catharine (CDC/NCEZID/DFWED/WDPB) <kuk9@cdc.gov>

Subject: RE: Consultation re: STEC O157 cases exposed to natural recreational water in Butte County, CA

CAUTION: This email originated from outside of the organization. Do not click links or open attachments unless you recognize the sender and know the content is safe.

Thank you Amy, that is great advice. Another question for you. The peristaltic pump requires a 12-volt battery for power. Would this be a car battery or is there another smaller battery that can be used. Getting a car battery to some of these locations may be difficult.

Thanks,

Thomas Parker

Program Manager, Hazardous Materials
[BUTTE COUNTY PUBLIC HEALTH](#)
[202 Mira Loma Drive | Oroville, CA 95965](#)
T: 530.552.3870 | D: [530.552.3870](#)

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From: Kahler, Amy (CDC/NCEZID/DFWED/WDPB) <ete1@cdc.gov>

Sent: Monday, July 21, 2025 12:10 PM

To: Parker, Thomas <TParker@buttecounty.net>

Cc: Mattioli, Mia Catharine (CDC/NCEZID/DFWED/WDPB) <kuk9@cdc.gov>

Subject: RE: Consultation re: STEC O157 cases exposed to natural recreational water in Butte County, CA

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Hi Thomas,

Sometimes the decision about where to collect the water sample is more about the logistics of where you can access the site – so if any locations present logistical challenges in accessing the water, any sample you can take is OK! However, if you have the luxury of choice, I'd say opt for flowing water over stagnant, with one caveat. If the water is flowing too fast, you could have issues keeping the tubing submerged with all the movement. We will send tubing weights you can attach to the tubing with a zip tie to help keep the tubing submerged, but it may also help if the water isn't too turbulent to begin with. With the weights there is a bit of balancing act though. You'll want to keep watch to make sure the tubing doesn't suck up too much sediment. We like to attach the weight several inches up from the end of the tubing so that the tubing end can point up, away from the sediment. We also orient the flow so that the ultrafilter filtrate gets released downstream from the intake – if the water is stagnant, you'll want to make sure the filtrate is released far enough downstream to not disturb the intake water. You can also let the filtrate flow onto the grass/banks if that's not too messy.

Taking the sediment sample downstream of the water intake is exactly the right approach. If this isn't physically possible, you could also wait and take the sediment sample after filtration is complete.

Thanks,
Amy

From: Parker, Thomas <TParker@buttecounty.net>
Sent: Monday, July 21, 2025 2:37 PM
To: Kahler, Amy (CDC/NCEZID/DFWED/WDPB) <ete1@cdc.gov>
Subject: RE: Consultation re: STEC O157 cases exposed to natural recreational water in Butte County, CA

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Thank you, that was my thought regarding the sediment sampling but I was not sure. I scouted out a few locations during my run over the weekend which had both. And thanks for the timeline for collecting the filtered samples. I just went through that part of the protocol so that is reassuring. For the filtered samples, is there a preference between collecting in still water vs faster flowing water? I have not noticed that in the protocol yet. I plan to take the water samples upstream from the sediment samples to avoid any silt/sediment from entering the filtration.

Thanks,

Thomas Parker
Program Manager, Hazardous Materials
[BUTTE COUNTY PUBLIC HEALTH](#)
[202 Mira Loma Drive | Oroville, CA 95965](#)
T: 530.552.3870 | D: [530.552.3870](tel:530.552.3870)

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From: Kahler, Amy (CDC/NCEZID/DFWED/WDPB) <ete1@cdc.gov>
Sent: Monday, July 21, 2025 11:26 AM
To: Parker, Thomas <TParker@buttecounty.net>; Mattioli, Mia Catharine (CDC/NCEZID/DFWED/WDPB) <kuk9@cdc.gov>
Subject: RE: Consultation re: STEC O157 cases exposed to natural recreational water in Butte County, CA

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Hi Thomas,

For the sediment sampling, we recommend going for the more silty sediment, if possible. The ultrafiltration procedure takes about 30 minutes for 50-L of water from start to finish. It will take a few minutes of setup, but once the filter is running you'll get 50-L through in 15-20 minutes at a 3-4 L/min flow rate. Then a few minutes of cleanup and you're on to the next site!

Thanks,
Amy

From: Parker, Thomas <TParker@buttecounty.net>
Sent: Monday, July 21, 2025 1:06 PM
To: Mattioli, Mia Catharine (CDC/NCEZID/DFWED/WDPB) <kuk9@cdc.gov>; Kahler, Amy (CDC/NCEZID/DFWED/WDPB) <ete1@cdc.gov>
Subject: RE: Consultation re: STEC O157 cases exposed to natural recreational water in Butte County, CA

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Thank you Mia. I have just two right now since I have not been able to read the protocol yet.

1. For the sediment sampling, is there a preference between sand or silt? Or does it matter?
2. How long does it typically take to filter the 50 liters of water? I am in the pre-planning stages and need to estimate time out in the field, coupled with my upcoming vacations.

Thanks,

Thomas Parker
Program Manager, Hazardous Materials
[BUTTE COUNTY PUBLIC HEALTH](#)
[202 Mira Loma Drive | Oroville, CA 95965](#)
T: 530.552.3870 | D: [530.552.3870](tel:530.552.3870)

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From: Mattioli, Mia Catharine (CDC/NCEZID/DFWED/WDPB) <kuk9@cdc.gov>
Sent: Monday, July 21, 2025 9:56 AM
To: Parker, Thomas <TParker@buttecounty.net>; Wais, Ashley <AWais@buttecounty.net>; Lamba, Katherine@CDPH <Katherine.Lamba@cdph.ca.gov>; Miko, Shanna (CDC/NCEZID/DFWED/WDPB) <rhu6@cdc.gov>; Beaudoin, Jarett <JBeaudoin@buttecounty.net>
Cc: Stainken, Cameron (CDC cdph.ca.gov) <cameron.stainken@cdph.ca.gov>; Kahler, Amy (CDC/NCEZID/DFWED/WDPB) <ete1@cdc.gov>; Kunz, Jasen M. (CDC/NCEZID/DFWED/WDPB) <izk0@cdc.gov>; Hill, Vincent (CDC/NCEZID/DFWED/WDPB) <veh2@cdc.gov>; McKeel, Haley (CDC/NCEZID/DFWED/EDLB) <hvw0@cdc.gov>; Strockbine, Nancy (CDC/NCEZID/DFWED/EDLB) <nas6@cdc.gov>; McSpadden, Elaine <EMcspadden@buttecounty.net>
Subject: RE: Consultation re: STEC O157 cases exposed to natural recreational water in Butte County, CA

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Hi Thomas,

You can direct those questions to myself and Amy Kahler (ete1@cdc.gov). Look forward to working with you!

Mia

Mia Catharine Mattioli
Environmental Engineer
Centers for Disease Control and Prevention (CDC)
Department of Health and Human Services (HHS)
Office: (404) 718-5643

From: Parker, Thomas <TParker@buttecounty.net>

Sent: Monday, July 21, 2025 12:35 PM

To: Mattioli, Mia Catharine (CDC/NCEZID/DFWED/WDPB) <kuk9@cdc.gov>; Wais, Ashley <AWais@buttecounty.net>; Lamba, Katherine@CDPH <Katherine.Lamba@cdph.ca.gov>; Miko, Shanna (CDC/NCEZID/DFWED/WDPB) <rhu6@cdc.gov>; Beaudoin, Jarett <JBeaudoin@buttecounty.net>

Cc: Stainken, Cameron (CDC cdph.ca.gov) <cameron.stainken@cdph.ca.gov>; Kahler, Amy (CDC/NCEZID/DFWED/WDPB) <ete1@cdc.gov>; Kunz, Jasen M. (CDC/NCEZID/DFWED/WDPB) <izk0@cdc.gov>; Hill, Vincent (CDC/NCEZID/DFWED/WDPB) <veh2@cdc.gov>; McKeel, Haley (CDC/NCEZID/DFWED/EDLB) <hvw0@cdc.gov>;

Strockbine, Nancy (CDC/NCEZID/DFWED/EDLB) <nas6@cdc.gov>; McSpadden, Elaine <EMcspadden@buttecounty.net>

Subject: RE: Consultation re: STEC O157 cases exposed to natural recreational water in Butte County, CA

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Thank you Mia. If I have specific questions regarding sampling protocols or procedures, should I direct them to you or someone else?

Thomas Parker

Program Manager, Hazardous Materials
[BUTTE COUNTY PUBLIC HEALTH](#)
[202 Mira Loma Drive | Oroville, CA 95965](#)
T: 530.552.3870 | D: [530.552.3870](tel:530.552.3870)

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From: Mattioli, Mia Catharine (CDC/NCEZID/DFWED/WDPB) <kuk9@cdc.gov>

Sent: Monday, July 21, 2025 9:26 AM

To: Wais, Ashley <AWais@buttecounty.net>; Lamba, Katherine@CDPH <Katherine.Lamba@cdph.ca.gov>; Miko, Shanna

(CDC/NCEZID/DFWED/WDPB) <rhu6@cdc.gov>; Beaudoin, Jarett <JBeaudoin@buttecounty.net>
Cc: Stainken, Cameron (CDC cdph.ca.gov) <cameron.stainken@cdph.ca.gov>; Kahler, Amy (CDC/NCEZID/DFWED/WDPB) <ete1@cdc.gov>; Kunz, Jasen M. (CDC/NCEZID/DFWED/WDPB) <izk0@cdc.gov>; Hill, Vincent (CDC/NCEZID/DFWED/WDPB) <veh2@cdc.gov>; McKeel, Haley (CDC/NCEZID/DFWED/EDLB) <hvw0@cdc.gov>; Strockbine, Nancy (CDC/NCEZID/DFWED/EDLB) <nas6@cdc.gov>; McSpadden, Elaine <EMcspadden@buttecounty.net>; Parker, Thomas <TParker@buttecounty.net>

Subject: RE: Consultation re: STEC O157 cases exposed to natural recreational water in Butte County, CA

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Wonderful! We're work to get the supplies and sampling guidance to you asap.

I also realized I didn't answer you other question. The sediment sample you collect will be great to test (O157 is very hardy in sediment). Just be sure to keep it at 4C and ship on ice packs, which we will send. You can wait to send it with the other samples.

Also, you'll have my cell so we can facetime to troubleshoot any issues as well.

Thanks!

Mia

Mia Catharine Mattioli
Environmental Engineer
Centers for Disease Control and Prevention (CDC)
Department of Health and Human Services (HHS)
Office: (404) 718-5643

From: Wais, Ashley <AWais@buttecounty.net>

Sent: Monday, July 21, 2025 12:23 PM

To: Mattioli, Mia Catharine (CDC/NCEZID/DFWED/WDPB) <kuk9@cdc.gov>; Lamba, Katherine@CDPH <Katherine.Lamba@cdph.ca.gov>; Miko, Shanna (CDC/NCEZID/DFWED/WDPB) <rhu6@cdc.gov>; Beaudoin, Jarett <JBeaudoin@buttecounty.net>

Cc: Stainken, Cameron (CDC cdph.ca.gov) <cameron.stainken@cdph.ca.gov>; Kahler, Amy (CDC/NCEZID/DFWED/WDPB) <ete1@cdc.gov>; Kunz, Jasen M. (CDC/NCEZID/DFWED/WDPB) <izk0@cdc.gov>; Hill, Vincent (CDC/NCEZID/DFWED/WDPB) <veh2@cdc.gov>; McKeel, Haley (CDC/NCEZID/DFWED/EDLB) <hvw0@cdc.gov>; Strockbine, Nancy (CDC/NCEZID/DFWED/EDLB) <nas6@cdc.gov>; McSpadden, Elaine <EMcspadden@buttecounty.net>; Parker, Thomas <TParker@buttecounty.net>

Subject: RE: Consultation re: STEC O157 cases exposed to natural recreational water in Butte County, CA

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Hi Mia,

Thank you for this insight. Below is the appropriate address to ship the supplies to.

Butte County Environmental Health
ATTN: Tom Parker

202 Mira Loma Drive
Oroville, CA 95965

In the meantime, the Butte County team will review the water sampling protocol shared in the meeting and have internal discussions to confirm sampling locations. I believe that we will have additional questions before we conduct sampling and greatly appreciate the CDC team's support and guidance during this project.

Thank you,

Ashley Wais, MPH, CIC®

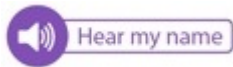
Epidemiologist

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[202 Mira Loma Drive | Oroville, CA 95965](#)

T: [530-552-3950](tel:530-552-3950) | M: [530-300-4166](tel:530-300-4166)

<https://www.buttecounty.net/610/Public-Health>



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From: Mattioli, Mia Catharine (CDC/NCEZID/DFWED/WDPB) <kuk9@cdc.gov>

Sent: Saturday, July 19, 2025 11:31 AM

To: Wais, Ashley <AWais@buttecounty.net>; Lamba, Katherine@CDPH <Katherine.Lamba@cdph.ca.gov>; Miko, Shanna (CDC/NCEZID/DFWED/WDPB) <rhu6@cdc.gov>; Beaudoin, Jarett <JBeaudoin@buttecounty.net>

Cc: Stainken, Cameron (CDC cdph.ca.gov) <cameron.stainken@cdph.ca.gov>; Kahler, Amy (CDC/NCEZID/DFWED/WDPB) <ete1@cdc.gov>; Kunz, Jasen M. (CDC/NCEZID/DFWED/WDPB) <izk0@cdc.gov>; Hill, Vincent (CDC/NCEZID/DFWED/WDPB) <veh2@cdc.gov>; McKeel, Haley (CDC/NCEZID/DFWED/EDLB) <hvw0@cdc.gov>; Strockbine, Nancy (CDC/NCEZID/DFWED/EDLB) <nas6@cdc.gov>

Subject: RE: Consultation re: STEC O157 cases exposed to natural recreational water in Butte County, CA

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Hi Ashley,

It was great speaking with you all on Friday. We are happy to support sampling and testing of the creek associated with the *E. coli* O157:H7 outbreak.

Based on our discussion, we would recommend water and sediment sampling at the following **5 locations**: the three swimming sites associated with exposure, immediately downstream of the golf course but upstream of the first swimming location, and further upstream where the wildfire sediment deposited. We would test these samples for *E. coli* O157:H7 and generic fecal indicator *E. coli*, as well as microbial source tracking markers specific to feces for birds, ruminants, and humans and markers specific to mitochondria of goose (given the Wildwood association). As mentioned on the call, Amy Irani in Nevada County did the sampling for the Lake Wildwood outbreak and is familiar with our large volume ultrafiltration sampling procedure so we would recommend asking if she can support given that experience.

If you all are OK with this plan, we can provide more details on the sampling and supplies, but first we **need the best address to ship**. Likely the earliest we can get the supplies to you all is Wednesday morning so sampling could occur on Wednesday and Thursday at the earliest. Friday sampling is tricky because Saturday delivery by FedEx is often problematic.

Thanks again for reaching out and look forward to working with you all!

Mia

Mia Catharine Mattioli
Environmental Engineer
Centers for Disease Control and Prevention (CDC)
Department of Health and Human Services (HHS)
Office: (404) 718-5643

From: Wais, Ashley <AWais@buttecounty.net>

Sent: Friday, July 18, 2025 6:45 PM

To: Lamba, Katherine@CDPH <Katherine.Lamba@cdph.ca.gov>; Mattioli, Mia Catharine (CDC/NCEZID/DFWED/WDPB) <kuk9@cdc.gov>; Miko, Shanna (CDC/NCEZID/DFWED/WDPB) <rhu6@cdc.gov>; Beaudoin, Jarett <JBeaudoin@buttecounty.net>

Cc: Stainken, Cameron (CDC cdph.ca.gov) <cameron.stainken@cdph.ca.gov>; Kahler, Amy (CDC/NCEZID/DFWED/WDPB) <ete1@cdc.gov>; Kunz, Jasen M. (CDC/NCEZID/DFWED/WDPB) <izk0@cdc.gov>; Hill, Vincent (CDC/NCEZID/DFWED/WDPB) <veh2@cdc.gov>; McKeel, Haley (CDC/NCEZID/DFWED/EDLB) <hvw0@cdc.gov>; Strockbine, Nancy (CDC/NCEZID/DFWED/EDLB) <nas6@cdc.gov>

Subject: RE: Consultation re: STEC O157 cases exposed to natural recreational water in Butte County, CA

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Hi CDC/CDPH teams,

Thank you all so much for your time and support with this scenario. We will await further guidance on next steps.

I would also love to reach out to Jordan who was on the call speaking about the sequencing results, but I do not see them on this email chain currently. If someone from the CDC team could send me their contact info, that would be much appreciated.

Lastly, the City of Chico collected a sediment sample while conducting their cleaning efforts yesterday. I wanted to confirm if there was a time frame in which that needs to be tested for it to be viable?

Thank you again,

Ashley Wais, MPH, CIC®

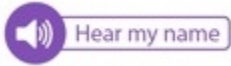
Epidemiologist

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[202 Mira Loma Drive | Oroville, CA 95965](#)

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From: Lamba, Katherine@CDPH <Katherine.Lamba@cdph.ca.gov>
Sent: Friday, July 18, 2025 9:48 AM
To: Wais, Ashley <AWais@buttecounty.net>; 'Mattioli, Mia Catharine (CDC/NCEZID/DFWED/WDPB)' <kuk9@cdc.gov>; Miko, Shanna (CDC/NCEZID/DFWED/WDPB) <rhu6@cdc.gov>; Beaudoin, Jarett <jbeaudoin@buttecounty.net>
Cc: Stainken, Cameron@CDPH <Cameron.Stainken@cdph.ca.gov>; Kahler, Amy (CDC/NCEZID/DFWED/WDPB) <ete1@cdc.gov>; Kunz, Jasen M. (CDC/NCEZID/DFWED/WDPB) <izk0@cdc.gov>; Hill, Vincent (CDC/NCEZID/DFWED/WDPB) <veh2@cdc.gov>; McKeel, Haley (CDC/NCEZID/DFWED/EDLB) <hvw0@cdc.gov>; Strockbine, Nancy (CDC/NCEZID/DFWED/EDLB) <nas6@cdc.gov>
Subject: RE: Consultation re: STEC O157 cases exposed to natural recreational water in Butte County, CA

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[Redacted]

[Redacted]	[Redacted]	[Redacted]	[Redacted]	[Redacted]	[Redacted]	[Redacted]	[Redacted]
[Redacted]	[Redacted]	[Redacted]	[Redacted]	[Redacted]	[Redacted]	[Redacted]	[Redacted]
[Redacted]	[Redacted]	[Redacted]	[Redacted]	[Redacted]	[Redacted]	[Redacted]	[Redacted]
[Redacted]	[Redacted]	[Redacted]	[Redacted]	[Redacted]	[Redacted]	[Redacted]	[Redacted]
[Redacted]	[Redacted]	[Redacted]	[Redacted]	[Redacted]	[Redacted]	[Redacted]	[Redacted]
[Redacted]	[Redacted]	[Redacted]	[Redacted]	[Redacted]	[Redacted]	[Redacted]	[Redacted]

Kat

Katherine Lamba, MPH (she/her)
California Department of Public Health
Phone: 510-620-3429 | Email: Katherine.Lamba@cdph.ca.gov

From: Wais, Ashley <AWais@buttecounty.net>
Sent: Thursday, July 17, 2025 4:14 PM
To: Lamba, Katherine@CDPH <Katherine.Lamba@cdph.ca.gov>; 'Mattioli, Mia Catharine (CDC/NCEZID/DFWED/WDPB)' <kuk9@cdc.gov>; Miko, Shanna (CDC/NCEZID/DFWED/WDPB) <rhu6@cdc.gov>; Beaudoin, Jarett <jbeaudoin@buttecounty.net>
Cc: Stainken, Cameron@CDPH <Cameron.Stainken@cdph.ca.gov>; Kahler, Amy (CDC/NCEZID/DFWED/WDPB) <ete1@cdc.gov>; Kunz, Jasen M. (CDC/NCEZID/DFWED/WDPB) <izk0@cdc.gov>; Hill, Vincent (CDC/NCEZID/DFWED/WDPB) <veh2@cdc.gov>; McKeel, Haley (CDC/NCEZID/DFWED/EDLB) <hvw0@cdc.gov>; Strockbine, Nancy (CDC/NCEZID/DFWED/EDLB) <nas6@cdc.gov>
Subject: RE: Consultation re: STEC O157 cases exposed to natural recreational water in Butte County, CA

Hi Kat,

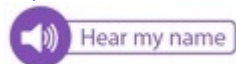
Thank you for this update. For the table below there are a few exposures that need to be updated.

[REDACTED]

Thank you,

Ashley Wais, MPH, CIC®

Epidemiologist
BUTTE COUNTY PUBLIC HEALTH
202 Mira Loma Drive | Oroville, CA 95965
T: 530-552-3950 | M: 530-300-4166
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From: Lamba, Katherine@CDPH <Katherine.Lamba@cdph.ca.gov>
Sent: Thursday, July 17, 2025 3:55 PM
To: Wais, Ashley <AWais@buttecounty.net>; 'Mattioli, Mia Catharine (CDC/NCEZID/DFWED/WDPB)' <kuk9@cdc.gov>; Miko, Shanna (CDC/NCEZID/DFWED/WDPB) <rhu6@cdc.gov>; Beaudoin, Jarett <jbeaudoin@buttecounty.net>
Cc: Stainken, Cameron@CDPH <Cameron.Stainken@cdph.ca.gov>; Kahler, Amy (CDC/NCEZID/DFWED/WDPB) <ete1@cdc.gov>; Kunz, Jasen M. (CDC/NCEZID/DFWED/WDPB) <izk0@cdc.gov>; Hill, Vincent (CDC/NCEZID/DFWED/WDPB) <veh2@cdc.gov>; McKeel, Haley (CDC/NCEZID/DFWED/EDLB) <hvw0@cdc.gov>; Strockbine, Nancy (CDC/NCEZID/DFWED/EDLB) <nas6@cdc.gov>
Subject: RE: Consultation re: STEC O157 cases exposed to natural recreational water in Butte County, CA

ATTENTION: This message originated from outside **Butte County**. Please exercise judgment before opening attachments, clicking on links, or replying.

[REDACTED]

[REDACTED]

[REDACTED]	[REDACTED]	[REDACTED]	[REDACTED]	[REDACTED]	[REDACTED]	[REDACTED]	[REDACTED]
[REDACTED]	[REDACTED]	[REDACTED]	[REDACTED]	[REDACTED]	[REDACTED]	[REDACTED]	[REDACTED]
[REDACTED]	[REDACTED]	[REDACTED]	[REDACTED]	[REDACTED]	[REDACTED]	[REDACTED]	[REDACTED]
[REDACTED]	[REDACTED]	[REDACTED]	[REDACTED]	[REDACTED]	[REDACTED]	[REDACTED]	[REDACTED]
[REDACTED]	[REDACTED]	[REDACTED]	[REDACTED]	[REDACTED]	[REDACTED]	[REDACTED]	[REDACTED]
[REDACTED]	[REDACTED]	[REDACTED]	[REDACTED]	[REDACTED]	[REDACTED]	[REDACTED]	[REDACTED]

Thanks,
Kat

Katherine Lamba, MPH (she/her)
California Department of Public Health
Phone: 510-620-3429 | Email: Katherine.Lamba@cdph.ca.gov

Confidential - Low

From: Wais, Ashley <AWais@buttecounty.net>
Sent: Thursday, July 17, 2025 8:56 AM
To: 'Mattioli, Mia Catharine (CDC/NCEZID/DFWED/WDPB)' <kuk9@cdc.gov>; Lamba, Katherine@CDPH <Katherine.Lamba@cdph.ca.gov>; Miko, Shanna (CDC/NCEZID/DFWED/WDPB) <rhu6@cdc.gov>; Beaudoin, Jarett <jbeaudoin@buttecounty.net>
Cc: Stainken, Cameron@CDPH <Cameron.Stainken@cdph.ca.gov>; Kahler, Amy (CDC/NCEZID/DFWED/WDPB) <ete1@cdc.gov>; Kunz, Jasen M. (CDC/NCEZID/DFWED/WDPB) <izk0@cdc.gov>; Hill, Vincent (CDC/NCEZID/DFWED/WDPB) <veh2@cdc.gov>; McKeel, Haley (CDC/NCEZID/DFWED/EDLB) <hvw0@cdc.gov>; Strockbine, Nancy (CDC/NCEZID/DFWED/EDLB) <nas6@cdc.gov>
Subject: RE: Consultation re: STEC O157 cases exposed to natural recreational water in Butte County, CA

Hi Mia,

Thank you for accommodating our tight schedule and consulting with us for this scenario. We have reached out to the City of Chico to see if they can acquire these samples. We are available at 12PM tomorrow for a discussion.

I did have a few questions related to the sample requests:

1. The pool is now drained (see below) and the process for removing sediment is underway. Did the sediment need to be submerged?
2. I am not sure it will be possible to acquire a “mucky water” sample now that the pool is drained. Is there a different type of sample that should be taken or should it be taken from another location (upstream)?

Any insight is appreciated.



Thank you,
Ashley Wais, MPH, CIC®

Epidemiologist

[BUTTE COUNTY PUBLIC HEALTH](#)

[202 Mira Loma Drive | Oroville, CA 95965](#)

T: [530-552-3950](tel:530-552-3950) | M: [530-300-4166](tel:530-300-4166)

<https://www.buttecounty.net/610/Public-Health>



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From: Mattioli, Mia Catharine (CDC/NCEZID/DFWED/WDPB) <kuk9@cdc.gov>

Sent: Thursday, July 17, 2025 8:31 AM

To: Lamba, Katherine@CDPH <Katherine.Lamba@cdph.ca.gov>; Miko, Shanna (CDC/NCEZID/DFWED/WDPB)

<rhu6@cdc.gov>; Wais, Ashley <AWais@buttecounty.net>; Beaudoin, Jarett <jbeaudoin@buttecounty.net>

Cc: Stainken, Cameron (CDC cdph.ca.gov) <cameron.stainken@cdph.ca.gov>; Kahler, Amy (CDC/NCEZID/DFWED/WDPB)

<ete1@cdc.gov>; Kunz, Jasen M. (CDC/NCEZID/DFWED/WDPB) <izk0@cdc.gov>; Hill, Vincent

(CDC/NCEZID/DFWED/WDPB) <veh2@cdc.gov>; McKeel, Haley (CDC/NCEZID/DFWED/EDLB) <hvw0@cdc.gov>;

Strockbine, Nancy (CDC/NCEZID/DFWED/EDLB) <nas6@cdc.gov>

Subject: RE: Consultation re: STEC O157 cases exposed to natural recreational water in Butte County, CA

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Hi Kat,

Thanks so much for proposing times!

CDC is available at the following:

- Friday 7/18: 12pm PST/3PM EST
- Monday 7/21: 1pm PST/4pm EST

Also, if they are cleaning out Sycamore pool, could we ask that someone grab two, 1-L bottles and fill one halfway with the sediment and the other almost full with the mucky water churned up? These can be stored in a fridge (4C) until process. Our lab does this type of testing if not available in CA. These samples will be the best for this type of bug and water source.

Thanks!

Mia

Mia Catharine Mattioli
Environmental Engineer
Centers for Disease Control and Prevention (CDC)
Department of Health and Human Services (HHS)
Office: (404) 718-5643

From: Lamba, Katherine@CDPH <Katherine.Lamba@cdph.ca.gov>
Sent: Wednesday, July 16, 2025 9:22 PM
To: Mattioli, Mia Catharine (CDC/NCEZID/DFWED/WDPB) <kuk9@cdc.gov>; Miko, Shanna (CDC/NCEZID/DFWED/WDPB) <rhu6@cdc.gov>; Wais, Ashley <AWais@buttecounty.net>; Beaudoin, Jarett <jbeaudoin@buttecounty.net>
Cc: Stainken, Cameron (CDC cdph.ca.gov) <cameron.stainken@cdph.ca.gov>; Kahler, Amy (CDC/NCEZID/DFWED/WDPB) <ete1@cdc.gov>; Kunz, Jasen M. (CDC/NCEZID/DFWED/WDPB) <izk0@cdc.gov>; Hill, Vincent (CDC/NCEZID/DFWED/WDPB) <veh2@cdc.gov>; McKeel, Haley (CDC/NCEZID/DFWED/EDLB) <hvw0@cdc.gov>; Strockbine, Nancy (CDC/NCEZID/DFWED/EDLB) <nas6@cdc.gov>
Subject: RE: Consultation re: STEC O157 cases exposed to natural recreational water in Butte County, CA

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Hi all,

Looping in a couple of folks from Butte County directly (Ashley Wais- epi and Dr. Beaudoin, Health Officer) so we can all sort out scheduling for this call.

Looks like scheduling over the next several days may be challenging but hopefully we can sort out a time that works sooner rather than later for the group. Would CDC team by chance be available during any of the following times?

- Thursday 7/17: 12pm PST/3PM EST
- Friday 7/18: 12pm PST/3PM EST
- Monday 7/21: 9am-11am PST (12-2 EST); 1pm PST/4pm EST
 - For Monday these are the slots that work for CDC and CDPH; @Wais, Ashley let us know if any of these work for Butte.

Thank you!

Kat

Katherine Lamba, MPH (she/her)
California Department of Public Health
Phone: 510-620-3429 | Email: Katherine.Lamba@cdph.ca.gov

Confidential - Low

From: Lamba, Katherine@CDPH
Sent: Wednesday, July 16, 2025 2:44 PM
To: Mattioli, Mia Catharine (CDC/NCEZID/DFWED/WDPB) <kuk9@cdc.gov>; Miko, Shanna (CDC/NCEZID/DFWED/WDPB) <rhu6@cdc.gov>
Cc: Stainken, Cameron@CDPH <Cameron.Stainken@cdph.ca.gov>; Kahler, Amy (CDC/NCEZID/DFWED/WDPB) <ete1@cdc.gov>; Kunz, Jasen M. (CDC/NCEZID/DFWED/WDPB) <izk0@cdc.gov>; Hill, Vincent (CDC/NCEZID/DFWED/WDPB) <veh2@cdc.gov>; McKeel, Haley (CDC/NCEZID/DFWED/EDLB) <hvw0@cdc.gov>; Strockbine, Nancy (CDC/NCEZID/DFWED/EDLB) <nas6@cdc.gov>
Subject: RE: Consultation re: STEC O157 cases exposed to natural recreational water in Butte County, CA

[REDACTED]). My thought went to geese flying down from WA 😊.

Kat

Katherine Lamba, MPH (she/her)
California Department of Public Health
Phone: 510-620-3429 | Email: Katherine.Lamba@cdph.ca.gov

From: Mattioli, Mia Catharine (CDC/NCEZID/DFWED/WDPB) <kuk9@cdc.gov>
Sent: Wednesday, July 16, 2025 2:30 PM
To: Lamba, Katherine@CDPH <Katherine.Lamba@cdph.ca.gov>; Miko, Shanna (CDC/NCEZID/DFWED/WDPB) <rhu6@cdc.gov>
Cc: Stainken, Cameron@CDPH <Cameron.Stainken@cdph.ca.gov>; Kahler, Amy (CDC/NCEZID/DFWED/WDPB) <ete1@cdc.gov>; Kunz, Jasen M. (CDC/NCEZID/DFWED/WDPB) <izk0@cdc.gov>; Hill, Vincent (CDC/NCEZID/DFWED/WDPB) <veh2@cdc.gov>; McKeel, Haley (CDC/NCEZID/DFWED/EDLB) <hvw0@cdc.gov>; Strockbine, Nancy (CDC/NCEZID/DFWED/EDLB) <nas6@cdc.gov>
Subject: RE: Consultation re: STEC O157 cases exposed to natural recreational water in Butte County, CA

Adding our other enterics clinical outbreak SME, Nancy Strockbine, as well.

Thanks!

Mia Catharine Mattioli
Environmental Engineer
Centers for Disease Control and Prevention (CDC)
Department of Health and Human Services (HHS)
Office: (404) 718-5643

From: Mattioli, Mia Catharine (CDC/NCEZID/DFWED/WDPB)
Sent: Wednesday, July 16, 2025 5:28 PM
To: Lamba, Katherine@CDPH <Katherine.Lamba@cdph.ca.gov>; Miko, Shanna (CDC/NCEZID/DFWED/WDPB) <rhu6@cdc.gov>
Cc: Stainken, Cameron (CDC cdph.ca.gov) <cameron.stainken@cdph.ca.gov>; Kahler, Amy (CDC/NCEZID/DFWED/WDPB) <ete1@cdc.gov>; Kunz, Jasen M. (CDC/NCEZID/DFWED/WDPB) <izk0@cdc.gov>; Hill, Vincent (CDC/NCEZID/DFWED/WDPB) <veh2@cdc.gov>; McKeel, Haley (CDC/NCEZID/DFWED/EDLB) <hvw0@cdc.gov>
Subject: RE: Consultation re: STEC O157 cases exposed to natural recreational water in Butte County, CA

OK, thanks so much! This is very close and similar sounding to our Lake Wildwood *E. coli* O157:H7 outbreak in 2017 at almost the exact same time of year. In that case there were Canada geese amplifying the pathogen within the lake. I wonder if there are geese or other birds frequenting these untreated venues as well. I'm including our clinical enterics laboratory SME, Haley McKeel, who was also involved in the 2017 response.

Our team would be available this Friday (7/18) from 12-2 PM EST or next Monday (7/21) after 12 PM EST. If none of those times work for you all, let us know what works best for you, and we can move things on our end.

Thanks again for reaching out!

Mia

Mia Catharine Mattioli
Environmental Engineer

From: Lamba, Katherine@CDPH <Katherine.Lamba@cdph.ca.gov>
Sent: Wednesday, July 16, 2025 5:22 PM
To: Mattioli, Mia Catharine (CDC/NCEZID/DFWED/WDPB) <kuk9@cdc.gov>; Miko, Shanna (CDC/NCEZID/DFWED/WDPB) <rhu6@cdc.gov>
Cc: Stainken, Cameron (CDC cdph.ca.gov) <cameron.stainken@cdph.ca.gov>; Kahler, Amy (CDC/NCEZID/DFWED/WDPB) <ete1@cdc.gov>; Kunz, Jasen M. (CDC/NCEZID/DFWED/WDPB) <izk0@cdc.gov>; Hill, Vincent (CDC/NCEZID/DFWED/WDPB) <veh2@cdc.gov>
Subject: RE: Consultation re: STEC O157 cases exposed to natural recreational water in Butte County, CA

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Fantastic, thanks! Let me check in with our Butte County colleagues then I will loop them in and can coordinate setting something up. In the meantime if you are able to share some time slots over the next several days that work for your team that would be great.

Yes- Sycamore pool is untreated water.

Kat

Katherine Lamba, MPH (she/her)
California Department of Public Health
Phone: 510-620-3429 | Email: Katherine.Lamba@cdph.ca.gov

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From: Mattioli, Mia Catharine (CDC/NCEZID/DFWED/WDPB) <kuk9@cdc.gov>
Sent: Wednesday, July 16, 2025 2:11 PM
To: Lamba, Katherine@CDPH <Katherine.Lamba@cdph.ca.gov>; Miko, Shanna (CDC/NCEZID/DFWED/WDPB) <rhu6@cdc.gov>
Cc: Stainken, Cameron@CDPH <Cameron.Stainken@cdph.ca.gov>; Kahler, Amy (CDC/NCEZID/DFWED/WDPB) <ete1@cdc.gov>; Kunz, Jasen M. (CDC/NCEZID/DFWED/WDPB) <izk0@cdc.gov>; Hill, Vincent (CDC/NCEZID/DFWED/WDPB) <veh2@cdc.gov>
Subject: RE: Consultation re: STEC O157 cases exposed to natural recreational water in Butte County, CA

Hi Kat,

Thanks for reaching out! Yes, Shanna and I are the right contacts. Shanna is only leave this week so I've included her back-fill for outbreak support, Jasen Kunz. Jasen can set up a call to discuss sampling and testing. Our lab does both water and sediment testing for *E. coli* O157:H7, and we happy to discuss our sampling and testing methods. Of note, generic *E. coli* tests used for monitoring do *not* detect O157:H7 strains, which means those values alone cannot be used to evaluate risk of pathogen contamination.

Thanks for the outbreak notes as well. Just so I'm clear, this pool is untreated, correct? It is fed by a creek without further treatment?

Let us know if you would like to set up a call or prefer Jasen reach out, and thanks again!

Mia

Mia Catharine Mattioli
Environmental Engineer
Centers for Disease Control and Prevention (CDC)
Department of Health and Human Services (HHS)
Office: (404) 718-5643

From: Lamba, Katherine@CDPH <Katherine.Lamba@cdph.ca.gov>

Sent: Wednesday, July 16, 2025 5:05 PM

To: Mattioli, Mia Catharine (CDC/NCEZID/DFWED/WDPB) <kuk9@cdc.gov>; Miko, Shanna (CDC/NCEZID/DFWED/WDPB) <rhu6@cdc.gov>

Cc: Stainken, Cameron (CDC cdph.ca.gov) <cameron.stainken@cdph.ca.gov>

Subject: Consultation re: STEC O157 cases exposed to natural recreational water in Butte County, CA

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Hi Mia and Shanna,

Hoping you're still the right contacts to reach out to- if not, please forward as needed.

CDPH has been supporting Butte County in the investigation of STEC O157 cases they suspect are associated with a couple of related natural recreational water locations in Chico, CA. Butte County has been in discussions with the City of Chico regarding possible testing of water and sediment for STEC/STEC O157 and they are looking for guidance on sampling methods, interpretation of laboratory results, and considerations around water sampling. We're wondering if you and your team may be available to consult on this situation, possibly via a conference call?

Some background:

- Butte County initially identified 2 cases of STEC O157 [REDACTED], onsets [REDACTED], where exposure to [Sycamore Pool](#) (aka One-Mile recreational area/Bidwell Park) in Chico is the suspected exposure. WGS has been completed for one STEC case and is in process for the 2nd. No other closely related recent STEC isolates have been identified.
 - 1 additional STEC case with onset [REDACTED] and exposure to Sycamore pool on [REDACTED] was subsequently identified.
- Sycamore pool is a man-made concrete swimming 'pool' with fresh natural recreational water and is connected to Big Chico Creek
- On 7/1/25, the City of Chico issued a [swimming advisory](#) at Sycamore pool due to elevated E. coli levels from routine testing. Samples are routinely collected upstream and downstream from Sycamore pool. The [pool is closed 7/16-7/18](#) for routine sediment removal/cleaning.
- Butte County has now identified 2 additional STEC cases, onsets [REDACTED] with exposure to the [Five Mile recreational area](#) in Chico, which is also connected to the Big Chico Creek but is about 3 miles east of Sycamore Pool. WGS is pending to determine if these cases have STEC isolates that are related to cases with Sycamore pool exposure.

Thank you, and Cameron please chime in if I've missed any relevant info.

Kat

Katherine Lamba, MPH (she/her)
Epidemiologist
Disease Investigations Section | Infectious Diseases Branch
Center for Infectious Diseases
California Department of Public Health
Phone: 510-620-3429 | Email: Katherine.Lamba@cdph.ca.gov
IDB-DIS general inbox: IDB-DIS@cdph.ca.gov



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Beaudoin, Jarett

From: Beaudoin, Jarett
Sent: Friday, August 1, 2025 8:57 AM
To: Almaguer, Lisa; Cox, Erin; Soderstrom, Monica; McSpadden, Elaine
Cc: Wais, Ashley
Subject: Re: Consultation re: STEC O157 cases exposed to natural recreational water in Butte County, CA

Agree with all of this. I was going to shoot PW an email today giving them an update, and how we are still waiting on more tests.

And yes! For this group's awareness, we are still waiting on animal indicator bacteria which are not E.Coli. There are certain bacteria that live only in humans, only in ruminants, and only in birds. The CDC is testing for these. Very Very importantly: This won't be able to link the O157 bacteria to an animal, it will just tell us if there are abnormal variations in animal fecal bacteria in the creek, which would help us target our investigation on higher yield animals.

I was on call with a UCD Phd yesterday who said about the animal testing- "the trouble is, you never really know if the high-volume crappers are the crappers you are looking for".

-Jarett

From: Almaguer, Lisa <LAlmaguer@buttecounty.net>
Sent: Friday, August 1, 2025 8:41 AM
To: Beaudoin, Jarett <JBeaudoin@buttecounty.net>; Cox, Erin <ECox@buttecounty.net>; Soderstrom, Monica <msoderstrom@buttecounty.net>; McSpadden, Elaine <EMcspadden@buttecounty.net>
Cc: Wais, Ashley <AWais@buttecounty.net>
Subject: Re: Consultation re: STEC O157 cases exposed to natural recreational water in Butte County, CA

This information is very interesting. Yes, I agree that we should release information once we have all of the results back. FYI, I am on vacation all of next week and will be in San Diego.

I assume we will have a meeting with the City of Chico to share this information before it goes public. Please keep me in the loop as to what you decide regarding messaging. My suggestion is a press release unless the city would like to announce this via a joint message. If this is the case, we should consider doing a join press conference.

Lastly, my understanding is the CDC is also looking for genetic markers such as human. If they detect that people (human waste) are potentially causing the issue, this will be very significant news for the City and Public Health to announce.

Lisa

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From: Beaudoin, Jarett <JBeaudoin@buttecounty.net>
Sent: Friday, August 1, 2025 8:31:14 AM

To: Cox, Erin <ECox@buttecounty.net>; Soderstrom, Monica <msoderstrom@buttecounty.net>; McSpadden, Elaine <EMcspadden@buttecounty.net>; Almaguer, Lisa <LAlmaguer@buttecounty.net>
Cc: Wais, Ashley <AWais@buttecounty.net>
Subject: Re: Consultation re: STEC O157 cases exposed to natural recreational water in Butte County, CA

Hmmm. I highly doubt this level of information would be public? But I am just guessing.

Regardless, I was thinking we were going to release the information about the linkage (generally) in addition to the results of the sediment samples when we have all the data back and have a plan.

We should set up a meeting for mid-next week because I bet we will have the results Monday or Tuesday and would love everyone's thoughts on next steps. I'll message Jen to get us something.

-Jarett

From: Cox, Erin <ECox@buttecounty.net>
Sent: Friday, August 1, 2025 8:24 AM
To: Beaudoin, Jarett <JBeaudoin@buttecounty.net>; Soderstrom, Monica <msoderstrom@buttecounty.net>; McSpadden, Elaine <EMcspadden@buttecounty.net>; Almaguer, Lisa <LAlmaguer@buttecounty.net>
Cc: Wais, Ashley <AWais@buttecounty.net>
Subject: Re: Consultation re: STEC O157 cases exposed to natural recreational water in Butte County, CA

Thank you Jarett- Just out of caution is NCBI data public? I just want us to think about getting information out ahead of the media/savvy lawyers who may be looking for this information and then being able to connect the dots. Not necessarily about the water but about the cases being connected?

Thoughts?

Thank you
Erin

Erin Cox, MHS (Ret. FP-C, Paramedic) (she/her/hers)
Division Director
Emergency Preparedness and Infectious Disease Control (EPIC)
Public Health Laboratory

[BUTTE COUNTY PUBLIC HEALTH](#)
[2080 E20th Street Suite 180 Chico CA 95928](#)
M: 530.693.5674 F: 530.538.2165
ecox@buttecounty.net
<https://www.buttecounty.net/610/Public-Health>

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From: Beaudoin, Jarett <JBeaudoin@buttecounty.net>
Sent: Friday, August 1, 2025 8:10
To: Soderstrom, Monica <msoderstrom@buttecounty.net>; Cox, Erin <ECox@buttecounty.net>; McSpadden, Elaine <EMcspadden@buttecounty.net>; Almaguer, Lisa <LAlmaguer@buttecounty.net>
Cc: Wais, Ashley <AWais@buttecounty.net>
Subject: Fw: Consultation re: STEC O157 cases exposed to natural recreational water in Butte County, CA

Just to keep your mental list running, we now have 4/5 cases confirmed by whole genome sequencing to be linked.

Last one pending is Aligator hole. I think this will be the next good piece of data for thinking about risk of swimming upstream of 5-mile.

-Jarett

From: Lamba, Katherine@CDPH <Katherine.Lamba@cdph.ca.gov>
Sent: Thursday, July 31, 2025 4:53 PM
To: McKeel, Haley (CDC/NCEZID/DFWED/EDLB) <hvw0@cdc.gov>; Miko, Shanna (CDC/NCEZID/DFWED/WDPB) <rhu6@cdc.gov>; Kahler, Amy (CDC/NCEZID/DFWED/WDPB) <ete1@cdc.gov>; Bond, Christian R@CDPH <Christian.Bond@cdph.ca.gov>; Mattioli, Mia Catharine (CDC/NCEZID/DFWED/WDPB) <kuk9@cdc.gov>; Parker, Thomas <TParker@buttecounty.net>; Beaudoin, Jarett <jbeaudoin@buttecounty.net>
Cc: Roundtree, Alexis V. (CDC/NCEZID/DFWED/WDPB) (CTR) <hzj5@cdc.gov>; Kunz, Jasen M. (CDC/NCEZID/DFWED/WDPB) <izk0@cdc.gov>; Strockbine, Nancy (CDC/NCEZID/DFWED/EDLB) <nas6@cdc.gov>; PulseNet (CDC) <pulsenet@cdc.gov>; Stainken, Cameron@CDPH <Cameron.Stainken@cdph.ca.gov>; MacGurn, Amanda (CDC/NCEZID/DFWED/WDPB) <wmh9@cdc.gov>
Subject: RE: Consultation re: STEC O157 cases exposed to natural recreational water in Butte County, CA

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Hi all,

Kat

Katherine Lamba, MPH (she/her)
California Department of Public Health
Phone: 510-620-3429 | Email: Katherine.Lamba@cdph.ca.gov

Confidential - Low

From: McKeel, Haley (CDC/NCEZID/DFWED/EDLB) <hvw0@cdc.gov>
Sent: Wednesday, July 30, 2025 6:40 AM
To: Miko, Shanna (CDC/NCEZID/DFWED/WDPB) <rhu6@cdc.gov>; Lamba, Katherine@CDPH <Katherine.Lamba@cdph.ca.gov>; Kahler, Amy (CDC/NCEZID/DFWED/WDPB) <ete1@cdc.gov>; Bond, Christian R@CDPH <Christian.Bond@cdph.ca.gov>; Hummadi, Omar@CDPH <Omar.Hummadi@cdph.ca.gov>; Kiang, David@CDPH <David.Kiang@cdph.ca.gov>; Mattioli, Mia Catharine (CDC/NCEZID/DFWED/WDPB) <kuk9@cdc.gov>; Parker, Thomas <TParker@buttecounty.net>; Beaudoin, Jarett <jbeaudoin@buttecounty.net>
Cc: Roundtree, Alexis V. (CDC/NCEZID/DFWED/WDPB) (CTR) <hjz5@cdc.gov>; Kunz, Jasen M. (CDC/NCEZID/DFWED/WDPB) <izk0@cdc.gov>; Strockbine, Nancy (CDC/NCEZID/DFWED/EDLB) <nas6@cdc.gov>; PulseNet (CDC) <pulsenet@cdc.gov>; Stainken, Cameron@CDPH <Cameron.Stainken@cdph.ca.gov>; MacGurn, Amanda (CDC/NCEZID/DFWED/WDPB) <wmh9@cdc.gov>
Subject: RE: Consultation re: STEC O157 cases exposed to natural recreational water in Butte County, CA

Also adding [@PulseNet \(CDC\)](#) back to the thread for awareness. And good news - I did see all four clinical isolates on NCBI this morning. We'll be on the lookout for the shipment of goose scat samples today.
Many thanks,
Haley



Haley McKeel
Microbiologist
Centers for Disease Control and Prevention (CDC)
Department of Health and Human Services (HHS)
404-639-1612 (office)

From: Miko, Shanna (CDC/NCEZID/DFWED/WDPB) <rhu6@cdc.gov>
Sent: Wednesday, July 30, 2025 9:33 AM
To: Katherine.Lamba@cdph.ca.gov; Kahler, Amy (CDC/NCEZID/DFWED/WDPB) <ete1@cdc.gov>; McKeel, Haley (CDC/NCEZID/DFWED/EDLB) <hvw0@cdc.gov>; Christian.Bond@cdph.ca.gov; Omar.Hummadi@cdph.ca.gov; David.Kiang@cdph.ca.gov; Mattioli, Mia Catharine (CDC/NCEZID/DFWED/WDPB) <kuk9@cdc.gov>; Parker, Thomas <TParker@buttecounty.net>; Beaudoin, Jarett <jbeaudoin@buttecounty.net>; Miko, Shanna (CDC/NCEZID/DFWED/WDPB) <rhu6@cdc.gov>
Cc: Roundtree, Alexis V. (CDC/NCEZID/DFWED/WDPB) (CTR) <hjz5@cdc.gov>; Kunz, Jasen M. (CDC/NCEZID/DFWED/WDPB) <izk0@cdc.gov>; Strockbine, Nancy (CDC/NCEZID/DFWED/EDLB) <nas6@cdc.gov>; Stainken, Cameron (CDC cdph.ca.gov) <cameron.stainken@cdph.ca.gov>; MacGurn, Amanda (CDC/NCEZID/DFWED/WDPB) <wmh9@cdc.gov>
Subject: RE: Consultation re: STEC O157 cases exposed to natural recreational water in Butte County, CA

Adding [@Miko, Shanna \(CDC/NCEZID/DFWED/WDPB\)](#) back to thread for outbreak coordination POC, I think I fell off when on leave.

From: Kunz, Jasen M. (CDC/NCEZID/DFWED/WDPB) <izk0@cdc.gov>
Sent: Tuesday, July 29, 2025 4:32 PM
To: Miko, Shanna (CDC/NCEZID/DFWED/WDPB) <rhu6@cdc.gov>
Subject: Fw: Consultation re: STEC O157 cases exposed to natural recreational water in Butte County, CA

Looks like your name was left off.

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From: Wais, Ashley <AWais@buttecounty.net>
Sent: Tuesday, July 29, 2025 3:32:05 PM
To:
Cc:
Subject: RE: Consultation re: STEC O157 cases exposed to natural recreational water in Butte County, CA

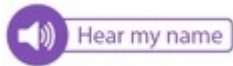
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Thank you Amy and CDC team for this update. We greatly appreciate the quick response! The goose scat samples should arrive at CDC tomorrow.

Thank you again,

Ashley Wais, MPH, CIC[®]

Epidemiologist
[BUTTE COUNTY PUBLIC HEALTH](#)
[202 Mira Loma Drive | Oroville, CA 95965](#)
T: 530-552-3950 | M: 530-300-4166
<https://www.buttecounty.net/610/Public-Health>



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From: Lamba, Katherine@CDPH <Katherine.Lamba@cdph.ca.gov>
Sent: Tuesday, July 29, 2025 12:27 PM
To: Kahler, Amy (CDC/NCEZID/DFWED/WDPB) <ete1@cdc.gov>; McKeel, Haley (CDC/NCEZID/DFWED/EDLB) <hvw0@cdc.gov>; Wais, Ashley <AWais@buttecounty.net>; Bond, Christian R@CDPH <Christian.Bond@cdph.ca.gov>; Hummadi, Omar@CDPH <Omar.Hummadi@cdph.ca.gov>; Kiang, David@CDPH <David.Kiang@cdph.ca.gov>; Mattioli, Mia Catharine (CDC/NCEZID/DFWED/WDPB) <kuk9@cdc.gov>; Parker, Thomas <TParker@buttecounty.net>
Cc: Roundtree, Alexis V. (CDC/NCEZID/DFWED/WDPB) (CTR) <hzi5@cdc.gov>; Kunz, Jasen M. (CDC/NCEZID/DFWED/WDPB) <izk0@cdc.gov>; Strockbine, Nancy (CDC/NCEZID/DFWED/EDLB) <nas6@cdc.gov>;

Stainken, Cameron@CDPH <Cameron.Stainken@cdph.ca.gov>

Subject: RE: Consultation re: STEC O157 cases exposed to natural recreational water in Butte County, CA

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Wow- BIG thank you to the CDC team for the support and the quick laboratory testing!

Quick update on CDPH end- the first 4 isolates sequenced have been given PulseNet cluster code [REDACTED] (no other isolates included in that cluster). Only 1 of the isolates ([REDACTED]) has shown up in NCBI so far and I've been in communication with PulseNet and our lab to sort out some submission/NCBI upload issues.

Kat

Katherine Lamba, MPH (she/her)
California Department of Public Health
Phone: 510-620-3429 | Email: Katherine.Lamba@cdph.ca.gov

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From: Kahler, Amy (CDC/NCEZID/DFWED/WDPB) <ete1@cdc.gov>

Sent: Tuesday, July 29, 2025 12:16 PM

To: McKeel, Haley (CDC/NCEZID/DFWED/EDLB) <hvw0@cdc.gov>; Wais, Ashley <AWais@buttecounty.net>; Bond, Christian R@CDPH <Christian.Bond@cdph.ca.gov>; Hummadi, Omar@CDPH <Omar.Hummadi@cdph.ca.gov>; Kiang, David@CDPH <David.Kiang@cdph.ca.gov>; Mattioli, Mia Catharine (CDC/NCEZID/DFWED/WDPB) <kuk9@cdc.gov>; Lamba, Katherine@CDPH <Katherine.Lamba@cdph.ca.gov>; Parker, Thomas <TParker@buttecounty.net>

Cc: Roundtree, Alexis V. (CDC/NCEZID/DFWED/WDPB) (CTR) <hzi5@cdc.gov>; Kunz, Jasen M. (CDC/NCEZID/DFWED/WDPB) <izk0@cdc.gov>; Strockbine, Nancy (CDC/NCEZID/DFWED/EDLB) <nas6@cdc.gov>; Stainken, Cameron@CDPH <Cameron.Stainken@cdph.ca.gov>

Subject: RE: Consultation re: STEC O157 cases exposed to natural recreational water in Butte County, CA

Hi all,

We wanted to provide a few updates on the progress of environmental testing at CDC. Samples arrived in great condition on Friday and we started processing ASAP. We have detected presumptive-positive O157 isolates that are stx1-negative and stx2-positive from the following sites/samples:

- Sycamore pool water and sediment collected 7/24. There are signs that the sediment collected on 7/17 may also be positive, but our work on those isolates is still pending.
- CCNC water and sediment samples.
- 5 Mile water and sediment samples.

No O157 was detected from the Horeshoe Lake and Alligator Hole sites. We have handed off the presumptive-positive isolates to the Enteric Disease Laboratory Branch for complete workup and confirmation of these preliminary results. We'll also be conducting microbial source tracking PCR for human, ruminant, and bird markers and will follow up with those results as soon as we have them.

Thanks all,
Amy

From: McKeel, Haley (CDC/NCEZID/DFWED/EDLB) <hvw0@cdc.gov>

Sent: Friday, July 25, 2025 9:47 PM

To: Wais, Ashley <AWais@buttecounty.net>; 'Bond, Christian R@CDPH' <Christian.Bond@cdph.ca.gov>; Hummadi, Omar@CDPH <Omar.Hummadi@cdph.ca.gov>; Kiang, David@CDPH <David.Kiang@cdph.ca.gov>; Mattioli, Mia Catharine (CDC/NCEZID/DFWED/WDPB) <kuk9@cdc.gov>; Lamba, Katherine@CDPH <Katherine.Lamba@cdph.ca.gov>; Parker, Thomas <TParker@buttecounty.net>

Cc: Kahler, Amy (CDC/NCEZID/DFWED/WDPB) <ete1@cdc.gov>; Roundtree, Alexis V. (CDC/NCEZID/DFWED/WDPB) (CTR) <hzi5@cdc.gov>; Kunz, Jasen M. (CDC/NCEZID/DFWED/WDPB) <izk0@cdc.gov>; Strockbine, Nancy (CDC/NCEZID/DFWED/EDLB) <nas6@cdc.gov>; Stainken, Cameron (CDC cdpH.ca.gov) <cameron.stainken@cdph.ca.gov>

Subject: RE: Consultation re: STEC O157 cases exposed to natural recreational water in Butte County, CA

Hi Ashley,

Thank you for the update and apologies for the delay in responding as I was out of the office today. The Enteric Diseases Laboratory Branch at CDC has capacity to test the geese scat samples; although, the total number may depend on available resources.

The specimens can be shipped to CDC under test order [CDC-10106 | Enteric Isolation - Primary Specimen - Non-CLIA](#) at the following address:

Attn: Haley McKeel
Centers for Disease Control and Prevention
RDSB/STATT Unit 129
1600 Clifton Road, NE
Atlanta, GA 30329
404-639-1612

As a note, all samples must be shipped in accordance with all applicable local, state, and federal regulations. Please ship for next day arrival and include ice packs in the shipment to keep the specimens cool during transit. The CDC website has some additional information regarding packing and shipping specimens: [CDC Fact Sheet](#).

I've attached a copy of our global file accessioning template that will need to be returned by email ahead of the shipment's arrival at CDC. I've prepopulated several of the fields as well as hidden many of the columns to hopefully make it easier to complete. Please populate any relevant columns (including a unique specimen ID (Column BE) for each sample collected) on the Animal tab as well as the Submitter tab with the Butte County information. Any information about the collection sites that are unique between samples would be helpful to note either in the Comments field (column FC) or in the orange Field Collection section.

Please let me know if you have any questions. I'll be back in the office on Tuesday but will be monitoring emails periodically until then as well.

Sincerely,
Haley



Haley McKeel
Microbiologist

Centers for Disease Control and Prevention (CDC)
Department of Health and Human Services (HHS)
404-639-1612 (office)

From: Wais, Ashley <AWais@buttecounty.net>

Sent: Friday, July 25, 2025 2:31 PM

To: 'Bond, Christian R@CDPH' <Christian.Bond@cdph.ca.gov>; Hummadi, Omar@CDPH <Omar.Hummadi@cdph.ca.gov>; Kiang, David@CDPH <David.Kiang@cdph.ca.gov>; Mattioli, Mia Catharine (CDC/NCEZID/DFWED/WDPB) <kuk9@cdc.gov>; Lamba, Katherine@CDPH <Katherine.Lamba@cdph.ca.gov>; Parker, Thomas <TParker@buttecounty.net>; McKeel, Haley (CDC/NCEZID/DFWED/EDLB) <hvw0@cdc.gov>
Cc: Kahler, Amy (CDC/NCEZID/DFWED/WDPB) <ete1@cdc.gov>; Roundtree, Alexis V. (CDC/NCEZID/DFWED/WDPB) (CTR) <hzi5@cdc.gov>; Kunz, Jasen M. (CDC/NCEZID/DFWED/WDPB) <izk0@cdc.gov>; Stainken, Cameron (CDC cdpH.ca.gov) <cameron.stainken@cdph.ca.gov>

Subject: RE: Consultation re: STEC O157 cases exposed to natural recreational water in Butte County, CA

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Hi all-

I spoke with Christian over the phone to discuss the goose scat sample testing. During our discussion, it was decided that it would be best to send the samples over to the CDC lab due to staffing issues at the CDPH lab. I also spoke with Mia and it seems like the CDC lab does have capacity to test those samples. We collected a total of 9 goose scat samples in Cary Blair Transport Medium.

CDC: Please share what location these samples should be shipped to and any other pertinent details (I am assuming these should be shipped with ice packs?). We were not planning on shipping until Monday.

Thank you all for your support with this endeavor. It is greatly appreciated.

Kindly,

Ashley Wais, MPH, CIC®

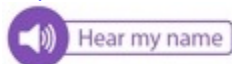
Epidemiologist

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From: Bond, Christian R@CDPH <Christian.Bond@cdph.ca.gov>

Sent: Friday, July 25, 2025 10:57 AM

To: Wais, Ashley <AWais@buttecounty.net>; Hummadi, Omar@CDPH <Omar.Hummadi@cdph.ca.gov>; Kiang, David@CDPH <David.Kiang@cdph.ca.gov>; Mattioli, Mia Catharine (CDC/NCEZID/DFWED/WDPB) <kuk9@cdc.gov>; Lamba, Katherine@CDPH <Katherine.Lamba@cdph.ca.gov>; Parker, Thomas <TParker@buttecounty.net>; McKeel, Haley (CDC/NCEZID/DFWED/EDLB) <hvw0@cdc.gov>

Cc: Kahler, Amy (CDC/NCEZID/DFWED/WDPB) <ete1@cdc.gov>; Roundtree, Alexis V. (CDC/NCEZID/DFWED/WDPB) (CTR) <hzy5@cdc.gov>; Kunz, Jasen M. (CDC/NCEZID/DFWED/WDPB) <izk0@cdc.gov>; Stainken, Cameron@CDPH <Cameron.Stainken@cdph.ca.gov>

Subject: RE: Consultation re: STEC O157 cases exposed to natural recreational water in Butte County, CA

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Hi Ashley,

My team is extremely short-staffed next week due to other assignments, and we will not have personnel to receive samples on either Tuesday or Wednesday. Would it be possible to send a team member to handoff the samples to my team at a midpoint on Monday morning? Maybe somewhere in Yuba City or Marysville?

Christian Bond
Chief, Emergency Response Unit
California Department of Public Health
(916) 612-3625

Confidential - Low

From: Wais, Ashley <AWais@buttecounty.net>

Sent: Friday, July 25, 2025 10:48 AM

To: Hummadi, Omar@CDPH <Omar.Hummadi@cdph.ca.gov>; Kiang, David@CDPH <David.Kiang@cdph.ca.gov>; Mattioli, Mia Catharine (CDC/NCEZID/DFWED/WDPB) <kuk9@cdc.gov>; Lamba, Katherine@CDPH <Katherine.Lamba@cdph.ca.gov>; Parker, Thomas <TParker@buttecounty.net>; McKeel, Haley (CDC/NCEZID/DFWED/EDLB) <hvw0@cdc.gov>

Cc: Kahler, Amy (CDC/NCEZID/DFWED/WDPB) <ete1@cdc.gov>; Roundtree, Alexis V. (CDC/NCEZID/DFWED/WDPB) (CTR) <hzy5@cdc.gov>; Kunz, Jasen M. (CDC/NCEZID/DFWED/WDPB) <izk0@cdc.gov>; Stainken, Cameron@CDPH <Cameron.Stainken@cdph.ca.gov>; Bond, Christian R@CDPH <Christian.Bond@cdph.ca.gov>

Subject: Re: Consultation re: STEC O157 cases exposed to natural recreational water in Butte County, CA

You don't often get email from awais@buttecounty.net. [Learn why this is important](#)

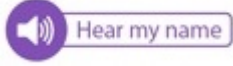
Hi Omar,

Thank you for the update. We do not plan to ship until Monday. I will let our lab know we are waiting for more details from CDPH regarding shipping method.

Thank you,

Ashley Wais, MPH, CIC®
Epidemiologist
[BUTTE COUNTY PUBLIC HEALTH](#)

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From: Hummadi, Omar@CDPH <Omar.Hummadi@cdph.ca.gov>

Sent: Friday, July 25, 2025 10:26 AM

To: Wais, Ashley <AWais@buttecounty.net>; Kiang, David@CDPH <David.Kiang@cdph.ca.gov>; Mattioli, Mia Catharine (CDC/NCEZID/DFWED/WDPB) <kuk9@cdc.gov>; Lamba, Katherine@CDPH <Katherine.Lamba@cdph.ca.gov>; Parker, Thomas <TParker@buttecounty.net>; McKeel, Haley (CDC/NCEZID/DFWED/EDLB) <hvw0@cdc.gov>

Cc: Kahler, Amy (CDC/NCEZID/DFWED/WDPB) <ete1@cdc.gov>; Roundtree, Alexis V. (CDC/NCEZID/DFWED/WDPB) (CTR) <hzi5@cdc.gov>; Kunz, Jasen M. (CDC/NCEZID/DFWED/WDPB) <izk0@cdc.gov>; Stainken, Cameron@CDPH <Cameron.Stainken@cdph.ca.gov>; Bond, Christian R@CDPH <Christian.Bond@cdph.ca.gov>

Subject: RE: Consultation re: STEC O157 cases exposed to natural recreational water in Butte County, CA

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Hi Ashley,

You are welcome! Please hold off on shipping the samples until I get a confirmation from Christian bond regarding the sample's delivery method.

Yes, ship the samples with ice packs and Butte County PHL chain of custody forms it's perfectly fine 👍

Regards,

Omar Hummadi
Senior Environmental Scientist Specialist
CDPH - FDB - ERU

Confidential - Low

From: Wais, Ashley <AWais@buttecounty.net>

Sent: Friday, July 25, 2025 10:05 AM

To: Hummadi, Omar@CDPH <Omar.Hummadi@cdph.ca.gov>; Kiang, David@CDPH <David.Kiang@cdph.ca.gov>; Mattioli, Mia Catharine (CDC/NCEZID/DFWED/WDPB) <kuk9@cdc.gov>; Lamba, Katherine@CDPH <Katherine.Lamba@cdph.ca.gov>; Parker, Thomas <TParker@buttecounty.net>; McKeel, Haley (CDC/NCEZID/DFWED/EDLB) <hvw0@cdc.gov>

Cc: Kahler, Amy (CDC/NCEZID/DFWED/WDPB) <ete1@cdc.gov>; Roundtree, Alexis V. (CDC/NCEZID/DFWED/WDPB) (CTR) <hzi5@cdc.gov>; Kunz, Jasen M. (CDC/NCEZID/DFWED/WDPB) <izk0@cdc.gov>; Stainken, Cameron@CDPH

<Cameron.Stainken@cdph.ca.gov>; Bond, Christian R@CDPH <Christian.Bond@cdph.ca.gov>

Subject: RE: Consultation re: STEC O157 cases exposed to natural recreational water in Butte County, CA

Hi Omar,

Thank you for the update. Should the shipment be on ice packs? Is there any other details we should be aware of? Butte County PHL has their own chain of custody forms. Is it ok to use those?

Thank you,

Ashley Wais, MPH, CIC®

Epidemiologist

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From: Hummadi, Omar@CDPH <Omar.Hummadi@cdph.ca.gov>

Sent: Friday, July 25, 2025 7:27 AM

To: Wais, Ashley <AWais@buttecounty.net>; Kiang, David@CDPH <David.Kiang@cdph.ca.gov>; Mattioli, Mia Catharine (CDC/NCEZID/DFWED/WDPB) <kuk9@cdc.gov>; Lamba, Katherine@CDPH <Katherine.Lamba@cdph.ca.gov>; Parker, Thomas <TParker@buttecounty.net>; McKeel, Haley (CDC/NCEZID/DFWED/EDLB) <hvw0@cdc.gov>

Cc: Kahler, Amy (CDC/NCEZID/DFWED/WDPB) <ete1@cdc.gov>; Roundtree, Alexis V. (CDC/NCEZID/DFWED/WDPB) (CTR) <hzi5@cdc.gov>; Kunz, Jasen M. (CDC/NCEZID/DFWED/WDPB) <izk0@cdc.gov>; Stainken, Cameron@CDPH <Cameron.Stainken@cdph.ca.gov>; Bond, Christian R@CDPH <Christian.Bond@cdph.ca.gov>

Subject: RE: Consultation re: STEC O157 cases exposed to natural recreational water in Butte County, CA

ATTENTION: This message originated from outside **Butte County**. Please exercise judgment before opening attachments, clicking on links, or replying.

Good morning, everyone!

Ashley - Ship the samples to Christian Bond at:

California Department of Public Health
Food and Drug Branch
1500 Capitol Ave MS 7602
Sacramento, CA, 95814

Note: Please make sure to include all the chain of custody forms/documents.

Happy Friday!

Regards,

Omar Hummadi
Senior Environmental Scientist
Foodborne Illness Outbreak Specialist
Desk Phone: 916-319-9661
Cell phone: 916-591-1374
Fax number: 916-636-6013
E-mail: Omar.Hummadi@cdph.ca.gov

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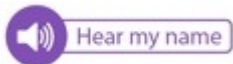
From: Wais, Ashley <AWais@buttecounty.net>
Sent: Friday, July 25, 2025 7:04 AM
To: Kiang, David@CDPH <David.Kiang@cdph.ca.gov>; Mattioli, Mia Catharine (CDC/NCEZID/DFWED/WDPB) <kuk9@cdc.gov>; Lamba, Katherine@CDPH <Katherine.Lamba@cdph.ca.gov>; Parker, Thomas <TParker@buttecounty.net>; McKeel, Haley (CDC/NCEZID/DFWED/EDLB) <hvw0@cdc.gov>; Hummadi, Omar@CDPH <Omar.Hummadi@cdph.ca.gov>
Cc: Kahler, Amy (CDC/NCEZID/DFWED/WDPB) <ete1@cdc.gov>; Roundtree, Alexis V. (CDC/NCEZID/DFWED/WDPB) (CTR) <hzi5@cdc.gov>; Kunz, Jasen M. (CDC/NCEZID/DFWED/WDPB) <izk0@cdc.gov>; Stainken, Cameron@CDPH <Cameron.Stainken@cdph.ca.gov>; Bond, Christian R@CDPH <Christian.Bond@cdph.ca.gov>
Subject: Re: Consultation re: STEC O157 cases exposed to natural recreational water in Butte County, CA

Hi Dr. Kiang,

Thank you for this update. We collected goose scat in the tubes with Cary Blair. We should have no more than 10 samples. What is the process for sending to CDPH? Do you usually receive shipments from our Butte County PHL. I just wanted to check in case there is already a process in place we can use.

Thank you,

Ashley Wais, MPH, CIC®
Epidemiologist
[BUTTE COUNTY PUBLIC HEALTH](https://www.buttecounty.net/610/Public-Health)
[202 Mira Loma Drive | Oroville, CA 95965](https://www.buttecounty.net/610/Public-Health)
T: [530-552-3950](tel:530-552-3950) | M: [530-300-4166](tel:530-300-4166)
<https://www.buttecounty.net/610/Public-Health>



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From: Kiang, David@CDPH <David.Kiang@cdph.ca.gov>

Sent: Thursday, July 24, 2025 5:40 PM

To: Mattioli, Mia Catharine (CDC/NCEZID/DFWED/WDPB) <kuk9@cdc.gov>; Lamba, Katherine@CDPH <Katherine.Lamba@cdph.ca.gov>; Wais, Ashley <AWais@buttecounty.net>; Parker, Thomas <TParker@buttecounty.net>; McKeel, Haley (CDC/NCEZID/DFWED/EDLB) <hvw0@cdc.gov>; Hummadi, Omar@CDPH <Omar.Hummadi@cdph.ca.gov>

Cc: Kahler, Amy (CDC/NCEZID/DFWED/WDPB) <ete1@cdc.gov>; Roundtree, Alexis V. (CDC/NCEZID/DFWED/WDPB) (CTR) <hzi5@cdc.gov>; Kunz, Jasen M. (CDC/NCEZID/DFWED/WDPB) <izk0@cdc.gov>; Stainken, Cameron@CDPH <Cameron.Stainken@cdph.ca.gov>; Bond, Christian R@CDPH <Christian.Bond@cdph.ca.gov>; Kiang, David@CDPH <David.Kiang@cdph.ca.gov>

Subject: RE: Consultation re: STEC O157 cases exposed to natural recreational water in Butte County, CA

ATTENTION: This message originated from outside **Butte County**. Please exercise judgment before opening attachments, clicking on links, or replying.

Hi Mia,

If they don't have bags, the preference is to collect them as is in the 50 ml conicals. If they're already collected in Cary Blair, It's fine, we can still take them.

Thanks,
David

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From: Mattioli, Mia Catharine (CDC/NCEZID/DFWED/WDPB) <kuk9@cdc.gov>

Sent: Thursday, July 24, 2025 12:35 PM

To: Kiang, David@CDPH <David.Kiang@cdph.ca.gov>; Lamba, Katherine@CDPH <Katherine.Lamba@cdph.ca.gov>; Wais, Ashley <AWais@buttecounty.net>; Parker, Thomas <TParker@buttecounty.net>; McKeel, Haley (CDC/NCEZID/DFWED/EDLB) <hvw0@cdc.gov>; Hummadi, Omar@CDPH <Omar.Hummadi@cdph.ca.gov>

Cc: Kahler, Amy (CDC/NCEZID/DFWED/WDPB) <ete1@cdc.gov>; Roundtree, Alexis V. (CDC/NCEZID/DFWED/WDPB) (CTR) <hzi5@cdc.gov>; Kunz, Jasen M. (CDC/NCEZID/DFWED/WDPB) <izk0@cdc.gov>; Stainken, Cameron@CDPH <Cameron.Stainken@cdph.ca.gov>; Bond, Christian R@CDPH <Christian.Bond@cdph.ca.gov>; Kiang, David@CDPH <David.Kiang@cdph.ca.gov>

Subject: Re: Consultation re: STEC O157 cases exposed to natural recreational water in Butte County, CA

Hi David,

Thanks so much. Unfortunately, the team doesn't have the bags and snips with them in the field. Will you accept them in Cary Blair? If not, they can send the CDC enterics lab.

Thanks!

Mia

Mia Catharine Mattioli
Environmental Engineer
Centers for Disease Control and Prevention (CDC)
Department of Health and Human Services (HHS)
Office: 404-718-5643

From: Kiang, David@CDPH <David.Kiang@cdph.ca.gov>

Sent: Thursday, July 24, 2025 2:51:14 PM

To: Lamba, Katherine@CDPH <Katherine.Lamba@cdph.ca.gov>; Mattioli, Mia Catharine (CDC/NCEZID/DFWED/WDPB) <kuk9@cdc.gov>; Wais, Ashley <AWais@buttecounty.net>; Parker, Thomas <TParker@buttecounty.net>; McKeel, Haley (CDC/NCEZID/DFWED/EDLB) <hvw0@cdc.gov>; Hummadi, Omar@CDPH <Omar.Hummadi@cdph.ca.gov>

Cc: Kahler, Amy (CDC/NCEZID/DFWED/WDPB) <ete1@cdc.gov>; Roundtree, Alexis V. (CDC/NCEZID/DFWED/WDPB) (CTR) <hzi5@cdc.gov>; Kunz, Jasen M. (CDC/NCEZID/DFWED/WDPB) <izk0@cdc.gov>; Stainken, Cameron (CDC cdph.ca.gov) <cameron.stainken@cdph.ca.gov>; Bond, Christian R@CDPH <Christian.Bond@cdph.ca.gov>; Kiang, David@CDPH <David.Kiang@cdph.ca.gov>

Subject: RE: Consultation re: STEC O157 cases exposed to natural recreational water in Butte County, CA

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Hi Kat,

We'd recommend collecting the scat directly into the Whirl-Pak bags using sterile scoops or spatulas as outlined by Omar in the email below and transporting to the FDB on ice packs. We prefer not to have them transported in Cary Blair.

Thanks,
David

David Kiang, PH.D.
Microbiology Section Chief
Food and Drug Laboratory Branch
California Department of Public Health
850 Marina Bay Parkway, G365
Richmond, CA 94804
(510) 412-3963
david.kiang@cdph.ca.gov



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From: Lamba, Katherine@CDPH <Katherine.Lamba@cdph.ca.gov>
Sent: Thursday, July 24, 2025 11:38 AM
To: Mattioli, Mia Catharine (CDC/NCEZID/DFWED/WDPB) <kuk9@cdc.gov>; Wais, Ashley <AWais@buttecounty.net>; Parker, Thomas <TParker@buttecounty.net>; McKeel, Haley (CDC/NCEZID/DFWED/EDLB) <hvw0@cdc.gov>; Hummadi, Omar@CDPH <Omar.Hummadi@cdph.ca.gov>; Kiang, David@CDPH <David.Kiang@cdph.ca.gov>
Cc: Kahler, Amy (CDC/NCEZID/DFWED/WDPB) <ete1@cdc.gov>; Roundtree, Alexis V. (CDC/NCEZID/DFWED/WDPB) (CTR) <hjz5@cdc.gov>; Kunz, Jasen M. (CDC/NCEZID/DFWED/WDPB) <izk0@cdc.gov>; Stainken, Cameron@CDPH <Cameron.Stainken@cdph.ca.gov>; Bond, Christian R@CDPH <Christian.Bond@cdph.ca.gov>
Subject: RE: Consultation re: STEC O157 cases exposed to natural recreational water in Butte County, CA

Hi Mia,

We have some folks out of the office today, so including @Hummadi, Omar@CDPH and @Kiang, David (CDPH-PS-DFDRS-FDLB) from Food and Drug and Food and Drug lab directly to advise which of the containers below for goose scat testing.

Kat

Katherine Lamba, MPH (she/her)
California Department of Public Health
Phone: 510-620-3429 | Email: Katherine.Lamba@cdph.ca.gov

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From: Mattioli, Mia Catharine (CDC/NCEZID/DFWED/WDPB) <kuk9@cdc.gov>
Sent: Thursday, July 24, 2025 11:30 AM
To: Lamba, Katherine@CDPH <Katherine.Lamba@cdph.ca.gov>; Wais, Ashley <AWais@buttecounty.net>; Parker, Thomas <TParker@buttecounty.net>; McKeel, Haley (CDC/NCEZID/DFWED/EDLB) <hvw0@cdc.gov>
Cc: Kahler, Amy (CDC/NCEZID/DFWED/WDPB) <ete1@cdc.gov>; Roundtree, Alexis V. (CDC/NCEZID/DFWED/WDPB) (CTR) <hjz5@cdc.gov>; Kunz, Jasen M. (CDC/NCEZID/DFWED/WDPB) <izk0@cdc.gov>; Stainken, Cameron@CDPH <Cameron.Stainken@cdph.ca.gov>; Bond, Christian R@CDPH <Christian.Bond@cdph.ca.gov>
Subject: RE: Consultation re: STEC O157 cases exposed to natural recreational water in Butte County, CA

Hi Ashley,

Thanks so much for sending this info! Ashley is out into the field with two 50-ml falcon tubes (empty) and ten 30-ml tubes filled with 15-ml of Cary Blair since that's what the CDC enterics lab recommended.

Which would you prefer she collect samples in for the scat testing?

Thanks!

Mia

Mia Catharine Mattioli
Environmental Engineer
Centers for Disease Control and Prevention (CDC)
Department of Health and Human Services (HHS)
Office: (404) 718-5643

From: Lamba, Katherine@CDPH <Katherine.Lamba@cdph.ca.gov>

Sent: Thursday, July 24, 2025 1:09 PM

To: Wais, Ashley <AWais@buttecounty.net>; Mattioli, Mia Catharine (CDC/NCEZID/DFWED/WDPB) <kuk9@cdc.gov>; Parker, Thomas <TParker@buttecounty.net>; McKeel, Haley (CDC/NCEZID/DFWED/EDLB) <hvw0@cdc.gov>

Cc: Kahler, Amy (CDC/NCEZID/DFWED/WDPB) <ete1@cdc.gov>; Roundtree, Alexis V. (CDC/NCEZID/DFWED/WDPB) (CTR) <hzi5@cdc.gov>; Kunz, Jasen M. (CDC/NCEZID/DFWED/WDPB) <izk0@cdc.gov>; Stainken, Cameron (CDC cdph.ca.gov) <cameron.stainken@cdph.ca.gov>; Bond, Christian R@CDPH <Christian.Bond@cdph.ca.gov>

Subject: RE: Consultation re: STEC O157 cases exposed to natural recreational water in Butte County, CA

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Hi Ashley,

Apologies for the delay. Sharing a few updates after gathering some additional information from our EH and lab folks:

- Goose feces samples can be tested by the CDPH Food and Drug Laboratory Branch. At this time they have capacity to test 10-20 goose feces samples
- Supplies needed for collection:
 - Sterile disposable spatulas or scoop.
 - Sterile 24 oz or 55 oz Whirl-Pak Bags.
 - Gloves.
- Ship the samples along with sealed controls of all the collection supplies that were used, with ice packs (optional) to the below address. The samples will be shipped to the CDPH Food and Drug Branch for logging before forwarded to the laboratory.
- Shipping: Please ship the samples to Christian Bond at:
California Department of Public Health
Food and Drug Branch
1500 Capitol Ave MS 7602
Sacramento, CA, 95814

Please let me know if you have additional questions for our EH/lab team at this time.

Thanks,

Kat

Katherine Lamba, MPH (she/her)
California Department of Public Health
Phone: 510-620-3429 | Email: Katherine.Lamba@cdph.ca.gov

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From: Wais, Ashley <AWais@buttecounty.net>
Sent: Wednesday, July 23, 2025 9:27 AM
To: Lamba, Katherine@CDPH <Katherine.Lamba@cdph.ca.gov>; Mattioli, Mia Catharine (CDC/NCEZID/DFWED/WDPB) <kuk9@cdc.gov>; Parker, Thomas <TParker@buttecounty.net>; McKeel, Haley (CDC/NCEZID/DFWED/EDLB) <hvw0@cdc.gov>
Cc: Kahler, Amy (CDC/NCEZID/DFWED/WDPB) <ete1@cdc.gov>; Roundtree, Alexis V. (CDC/NCEZID/DFWED/WDPB) (CTR) <hzi5@cdc.gov>; Kunz, Jasen M. (CDC/NCEZID/DFWED/WDPB) <izk0@cdc.gov>
Subject: RE: Consultation re: STEC O157 cases exposed to natural recreational water in Butte County, CA

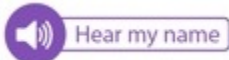
Hi Kat,

Thank you for this update.

If we could have a list of the supplies that would be needed to collect the samples, I can check with our lab to see if we have them.

Thank you,

Ashley Wais, MPH, CIC®
Epidemiologist
[BUTTE COUNTY PUBLIC HEALTH](#)
[202 Mira Loma Drive | Oroville, CA 95965](#)
T: [530-552-3950](tel:530-552-3950) | M: [530-300-4166](tel:530-300-4166)
<https://www.buttecounty.net/610/Public-Health>



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From: Lamba, Katherine@CDPH <Katherine.Lamba@cdph.ca.gov>
Sent: Wednesday, July 23, 2025 9:13 AM
To: Mattioli, Mia Catharine (CDC/NCEZID/DFWED/WDPB) <kuk9@cdc.gov>; Wais, Ashley <AWais@buttecounty.net>; Parker, Thomas <TParker@buttecounty.net>; McKeel, Haley (CDC/NCEZID/DFWED/EDLB) <hvw0@cdc.gov>
Cc: Kahler, Amy (CDC/NCEZID/DFWED/WDPB) <ete1@cdc.gov>; Roundtree, Alexis V. (CDC/NCEZID/DFWED/WDPB) (CTR) <hzi5@cdc.gov>; Kunz, Jasen M. (CDC/NCEZID/DFWED/WDPB) <izk0@cdc.gov>
Subject: RE: Consultation re: STEC O157 cases exposed to natural recreational water in Butte County, CA

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Hi all,

We have capacity at one of our labs for the goose scat testing at CDPH (Food and Drug lab)- I will check with a 2nd (MDL) as well and loop in the appropriate folks regarding # of samples they have capacity to test at this time.

@Wais, Ashley and team, will you need collection supplies? Will get back to you soon with additional information.

Kat

Katherine Lamba, MPH (she/her)
California Department of Public Health
Phone: 510-620-3429 | Email: Katherine.Lamba@cdph.ca.gov

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From: Mattioli, Mia Catharine (CDC/NCEZID/DFWED/WDPB) <kuk9@cdc.gov>
Sent: Wednesday, July 23, 2025 7:49 AM
To: Wais, Ashley <AWais@buttecounty.net>; Parker, Thomas <TParker@buttecounty.net>; McKeel, Haley (CDC/NCEZID/DFWED/EDLB) <hvw0@cdc.gov>; Lamba, Katherine@CDPH <Katherine.Lamba@cdph.ca.gov>
Cc: Kahler, Amy (CDC/NCEZID/DFWED/WDPB) <ete1@cdc.gov>; Roundtree, Alexis V. (CDC/NCEZID/DFWED/WDPB) (CTR) <hzi5@cdc.gov>; Kunz, Jasen M. (CDC/NCEZID/DFWED/WDPB) <izk0@cdc.gov>
Subject: RE: Consultation re: STEC O157 cases exposed to natural recreational water in Butte County, CA

Hi Ashley,

Thanks so much for bringing this up! Unfortunately, our lab can't do the animal fecal the testing, but I thought on the call CDPH lab said they could do the fecal testing similar to Lake Wildwood. @Lamba, Katherine@CDPH, would you be able to check with your lab about the animal fecal testing?

If CDPH is unavailable, CDC enterics may be able to support, but I believe they have limited capacity and need samples collected in transport media (Cary Blair). @McKeel, Haley (CDC/NCEZID/DFWED/EDLB) is that correct?

For scat sampling supplies, we only sent the new plastic tarp I mentioned that is helpful for goose scat if you see a flock when sampling. You can bring crackers to lure them to the tarp, but it can be tricky as you would imagine.

Let me know if helpful to discuss further!

Mia

Mia Catharine Mattioli
Environmental Engineer
Centers for Disease Control and Prevention (CDC)
Department of Health and Human Services (HHS)
Office: (404) 718-5643

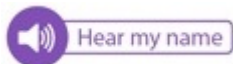
From: Wais, Ashley <AWais@buttecounty.net>
Sent: Tuesday, July 22, 2025 6:57 PM
To: Parker, Thomas <TParker@buttecounty.net>; Mattioli, Mia Catharine (CDC/NCEZID/DFWED/WDPB) <kuk9@cdc.gov>
Cc: Kahler, Amy (CDC/NCEZID/DFWED/WDPB) <ete1@cdc.gov>; Roundtree, Alexis V. (CDC/NCEZID/DFWED/WDPB) (CTR) <hzi5@cdc.gov>; McKeel, Haley (CDC/NCEZID/DFWED/EDLB) <hvw0@cdc.gov>; Lamba, Katherine@CDPH <Katherine.Lamba@cdph.ca.gov>; Kunz, Jasen M. (CDC/NCEZID/DFWED/WDPB) <izk0@cdc.gov>
Subject: RE: Consultation re: STEC O157 cases exposed to natural recreational water in Butte County, CA

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Hi Mia,

Thank you for this insight. Do you have any guidance/recommendations on how to collect animal feces samples (most likely from geese, possibly cattle)? If we are successful in collecting these samples, are we able to include them in the main shipment?

Thank you,
Ashley Wais, MPH, CIC®
Epidemiologist
[BUTTE COUNTY PUBLIC HEALTH](#)
[202 Mira Loma Drive | Oroville, CA 95965](#)
T: [530-552-3950](tel:530-552-3950) | M: [530-300-4166](tel:530-300-4166)
<https://www.buttecounty.net/610/Public-Health>



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From: Parker, Thomas <TParker@buttecounty.net>
Sent: Tuesday, July 22, 2025 2:55 PM
To: 'Mattioli, Mia Catharine (CDC/NCEZID/DFWED/WDPB)' <kuk9@cdc.gov>
Cc: Kahler, Amy (CDC/NCEZID/DFWED/WDPB) <ete1@cdc.gov>; Roundtree, Alexis V. (CDC/NCEZID/DFWED/WDPB) (CTR) <hzi5@cdc.gov>; McKeel, Haley (CDC/NCEZID/DFWED/EDLB) <hvw0@cdc.gov>; Lamba, Katherine@CDPH <Katherine.Lamba@cdph.ca.gov>; Wais, Ashley <AWais@buttecounty.net>; Kunz, Jasen M. (CDC/NCEZID/DFWED/WDPB) <izk0@cdc.gov>
Subject: RE: Consultation re: STEC O157 cases exposed to natural recreational water in Butte County, CA

Thank you for all of the information!

Thomas Parker

Program Manager, Hazardous Materials
[BUTTE COUNTY PUBLIC HEALTH](#)
[202 Mira Loma Drive | Oroville, CA 95965](#)
T: 530.552.3870 | D: [530.552.3870](#)

**Environmental Health Fees are being amended to include an ECI increase. The fees go into effect 01/01/2024..*

Please refer to our website for online payment and document submittal: [Environmental Health | Butte County, CA](#)

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From: Mattioli, Mia Catharine (CDC/NCEZID/DFWED/WDPB) <kuk9@cdc.gov>

Sent: Tuesday, July 22, 2025 2:43 PM

To: Parker, Thomas <TParker@buttecounty.net>

Cc: Kahler, Amy (CDC/NCEZID/DFWED/WDPB) <ete1@cdc.gov>; Roundtree, Alexis V. (CDC/NCEZID/DFWED/WDPB) (CTR) <hzi5@cdc.gov>; McKeel, Haley (CDC/NCEZID/DFWED/EDLB) <hvw0@cdc.gov>; Lamba, Katherine@CDPH <Katherine.Lamba@cdph.ca.gov>; Wais, Ashley <AWais@buttecounty.net>; Kunz, Jasen M. (CDC/NCEZID/DFWED/WDPB) <izk0@cdc.gov>

Subject: RE: Consultation re: STEC O157 cases exposed to natural recreational water in Butte County, CA

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Sorry for all the emails! I also meant to note that the batteries for the pump have been fully charge so should be ready to go. The pH probe will need to be calibrated in the field due to the dependence on air temperature. However, we have provided the manual and 3 standard solutions with the probe.

Thanks again!

Mia

Mia Catharine Mattioli
Environmental Engineer
Centers for Disease Control and Prevention (CDC)
Department of Health and Human Services (HHS)
Office: (404) 718-5643

Highly Sensitive/Any User (No encryption)

From: Mattioli, Mia Catharine (CDC/NCEZID/DFWED/WDPB)

Sent: Tuesday, July 22, 2025 5:40 PM

To: Parker, Thomas <TParker@buttecounty.net>

Cc: Kahler, Amy (CDC/NCEZID/DFWED/WDPB) <ete1@cdc.gov>; Roundtree, Alexis V. (CDC/NCEZID/DFWED/WDPB) (CTR) <hzi5@cdc.gov>; McKeel, Haley (CDC/NCEZID/DFWED/EDLB) <hvw0@cdc.gov>; Lamba, Katherine@CDPH <Katherine.Lamba@cdph.ca.gov>; Wais, Ashley <AWais@buttecounty.net>; Kunz, Jasen M.

(CDC/NCEZID/DFWED/WDPB) <izk0@cdc.gov>

Subject: RE: Consultation re: STEC O157 cases exposed to natural recreational water in Butte County, CA

Apologies for not highlighting this in the quick guide. Please start sampling further **downstream** and move upstream. This will ensure separate parcels of water are sampled at each site from the flowing source.

Thanks again!

Mia

Mia Catharine Mattioli
Environmental Engineer
Centers for Disease Control and Prevention (CDC)
Department of Health and Human Services (HHS)
Office: (404) 718-5643

From: Mattioli, Mia Catharine (CDC/NCEZID/DFWED/WDPB)

Sent: Tuesday, July 22, 2025 5:39 PM

To: Parker, Thomas <TParker@buttecounty.net>

Cc: Kahler, Amy (CDC/NCEZID/DFWED/WDPB) <ete1@cdc.gov>; Roundtree, Alexis V. (CDC/NCEZID/DFWED/WDPB) (CTR) <hzi5@cdc.gov>; McKeel, Haley (CDC/NCEZID/DFWED/EDLB) <hvw0@cdc.gov>; Lamba, Katherine@CDPH <Katherine.Lamba@cdph.ca.gov>; Wais, Ashley <AWais@buttecounty.net>; Kunz, Jasen M. (CDC/NCEZID/DFWED/WDPB) <izk0@cdc.gov>

Subject: RE: Consultation re: STEC O157 cases exposed to natural recreational water in Butte County, CA

Hi Thomas,

The sampling supplies have been shipping and should arrive tomorrow morning (FedEx tracking number **450145173848**).

I've attached a quick guide for sampling and shipping based on our discussion on sampling sites. The shipping information back to CDC is also pasted in this email below, and of note, please ship the samples on ice (not frozen) **first overnight via FedEx**. The ice packs we have provided could not be shipped frozen so please freeze before sampling or use alternative blue ice.

I have also attached our protocol for your reference and an electronic copy of our Chain of Custody form, though both are provided as print outs on a clipboard with the sampling supplies.

Let us know as soon as you can what day you plan to sample. This will help us to plan in the labs for testing. My cell number is [REDACTED] Don't hesitate to call if you have any questions at all.

Thanks!

Mia

Mia Catharine Mattioli
Environmental Engineer
Centers for Disease Control and Prevention (CDC)
Department of Health and Human Services (HHS)
Office: (404) 718-5643

From: Parker, Thomas <TParker@buttecounty.net>

Sent: Tuesday, July 22, 2025 2:46 PM

To: Mattioli, Mia Catharine (CDC/NCEZID/DFWED/WDPB) <kuk9@cdc.gov>; Kahler, Amy (CDC/NCEZID/DFWED/WDPB) <ete1@cdc.gov>

Subject: RE: Consultation re: STEC O157 cases exposed to natural recreational water in Butte County, CA

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No worries, Mia and thanks for the response. That really helps. Will you be sending us a meter for water quality parameters (pH, temp, ect.)? I've used one in the past so I can certainly do that if it is helpful.

Thanks,

Thomas Parker

Program Manager, Hazardous Materials
[BUTTE COUNTY PUBLIC HEALTH](#)
[202 Mira Loma Drive | Oroville, CA 95965](#)
T: 530.552.3870 | D: [530.552.3870](tel:530.552.3870)

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From: Mattioli, Mia Catharine (CDC/NCEZID/DFWED/WDPB) <kuk9@cdc.gov>

Sent: Tuesday, July 22, 2025 11:34 AM

To: Parker, Thomas <TParker@buttecounty.net>; Kahler, Amy (CDC/NCEZID/DFWED/WDPB) <ete1@cdc.gov>

Subject: RE: Consultation re: STEC O157 cases exposed to natural recreational water in Butte County, CA

ATTENTION: This message originated from outside **Butte County**. Please exercise judgment before opening attachments, clicking on links, or replying.

Hi Thomas,

Apologies for the delayed response! We were shipping the supplies to you this morning. I will share the FedEx tracking number ASAP.

For the sediment, yes. That is the correct procedure to collect. Nothing fancy!

We seal the bottles (especially the sediment ones) with parafilm (provided), and then we have a sterile zip-lock bag for you to put that sediment bottle into for secondary containment. We don't use custody seals since this is non-regulatory.

I will be sending you a quick guide list of sampling sites and measurements for each site. But I'd be happy to review with you when you are done. We sincerely appreciate your thoroughness!

Mia

Mia Catharine Mattioli
Environmental Engineer
Centers for Disease Control and Prevention (CDC)
Department of Health and Human Services (HHS)
Office: (404) 718-5643

From: Parker, Thomas <TParker@buttecounty.net>
Sent: Tuesday, July 22, 2025 11:51 AM
To: Kahler, Amy (CDC/NCEZID/DFWED/WDPB) <ete1@cdc.gov>
Cc: Mattioli, Mia Catharine (CDC/NCEZID/DFWED/WDPB) <kuk9@cdc.gov>
Subject: RE: Consultation re: STEC O157 cases exposed to natural recreational water in Butte County, CA

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Hi Amy and Mia- I am finishing up my sampling plan this morning and had a few questions regarding the sediment sampling. My understanding from the phone call is that we will fill a 1 Liter bottle half full with the sediment, using a disposable scoop and drain off as much water as possible. Is this a poly bottle with a wide top or just a normal 1 liter bottle? Also, does the pack you sent contain custody seals as well? I can use tape if not. Also, after I complete my sampling plan, is there a chance one of you can do a quick review to make sure I am not missing anything or have something wrong in the process? I am trying to be as thorough as possible in case we have future sampling and I am not available.

Thanks,

Thomas Parker
Program Manager, Hazardous Materials
[BUTTE COUNTY PUBLIC HEALTH](#)
[202 Mira Loma Drive | Oroville, CA 95965](#)
T: 530.552.3870 | D: [530.552.3870](tel:530.552.3870)

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From: Kahler, Amy (CDC/NCEZID/DFWED/WDPB) <ete1@cdc.gov>
Sent: Monday, July 21, 2025 12:30 PM
To: Parker, Thomas <TParker@buttecounty.net>
Cc: Mattioli, Mia Catharine (CDC/NCEZID/DFWED/WDPB) <kuk9@cdc.gov>
Subject: RE: Consultation re: STEC O157 cases exposed to natural recreational water in Butte County, CA

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Hi Thomas,

We will send you two small-ish batteries to use. Both batteries will fit into the pump case and it will be heavy but portable. In a pinch you can also use the adapter that plugs into the cigarette lighter contraption in a car (I don't know what it's called any more). We'll send the cables for both options – although the battery option is the easiest.

Thanks,
Amy

From: Parker, Thomas <TParker@buttecounty.net>
Sent: Monday, July 21, 2025 3:24 PM
To: Kahler, Amy (CDC/NCEZID/DFWED/WDPB) <ete1@cdc.gov>
Cc: Mattioli, Mia Catharine (CDC/NCEZID/DFWED/WDPB) <kuk9@cdc.gov>
Subject: RE: Consultation re: STEC O157 cases exposed to natural recreational water in Butte County, CA

CAUTION: This email originated from outside of the organization. Do not click links or open attachments unless you recognize the sender and know the content is safe.

Thank you Amy, that is great advice. Another question for you. The peristaltic pump requires a 12-volt battery for power. Would this be a car battery or is there another smaller battery that can be used. Getting a car battery to some of these locations may be difficult.

Thanks,

Thomas Parker
Program Manager, Hazardous Materials
[BUTTE COUNTY PUBLIC HEALTH](#)
[202 Mira Loma Drive | Oroville, CA 95965](#)
T: 530.552.3870 | D: [530.552.3870](tel:530.552.3870)

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From: Kahler, Amy (CDC/NCEZID/DFWED/WDPB) <ete1@cdc.gov>
Sent: Monday, July 21, 2025 12:10 PM
To: Parker, Thomas <TParker@buttecounty.net>
Cc: Mattioli, Mia Catharine (CDC/NCEZID/DFWED/WDPB) <kuk9@cdc.gov>
Subject: RE: Consultation re: STEC O157 cases exposed to natural recreational water in Butte County, CA

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Hi Thomas,

Sometimes the decision about where to collect the water sample is more about the logistics of where you can access the site – so if any locations present logistical challenges in accessing the water, any sample you can take is OK! However, if you have the luxury of choice, I'd say opt for flowing water over stagnant, with one caveat. If the water is flowing too fast, you could have issues keeping the tubing submerged with all the movement. We will send tubing weights you can attach to the tubing with a zip tie to help keep the tubing submerged, but it may also help if the water isn't too turbulent to begin with. With the weights there is a bit of balancing act though. You'll want to keep watch to make sure the tubing doesn't suck up too much sediment. We like to attach the weight several inches up from the end of the tubing so that the tubing end can point up, away from the sediment. We also orient the flow so that the ultrafilter filtrate gets released downstream from the intake – if the water is stagnant, you'll want to make sure the filtrate is released far enough downstream to not disturb the intake water. You can also let the filtrate flow onto the grass/banks if that's not too messy.

Taking the sediment sample downstream of the water intake is exactly the right approach. If this isn't physically possible, you could also wait and take the sediment sample after filtration is complete.

Thanks,
Amy

From: Parker, Thomas <TParker@buttecounty.net>
Sent: Monday, July 21, 2025 2:37 PM
To: Kahler, Amy (CDC/NCEZID/DFWED/WDPB) <ete1@cdc.gov>
Subject: RE: Consultation re: STEC O157 cases exposed to natural recreational water in Butte County, CA

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Thank you, that was my thought regarding the sediment sampling but I was not sure. I scouted out a few locations during my run over the weekend which had both. And thanks for the timeline for collecting the filtered samples. I just went through that part of the protocol so that is reassuring. For the filtered samples, is there a preference between collecting in still water vs faster flowing water? I have not noticed that in the protocol yet. I plan to take the water samples upstream from the sediment samples to avoid any silt/sediment from entering the filtration.

Thanks,

Thomas Parker
Program Manager, Hazardous Materials
[BUTTE COUNTY PUBLIC HEALTH](#)
[202 Mira Loma Drive | Oroville, CA 95965](#)
T: 530.552.3870 | D: [530.552.3870](tel:530.552.3870)

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From: Kahler, Amy (CDC/NCEZID/DFWED/WDPB) <ete1@cdc.gov>
Sent: Monday, July 21, 2025 11:26 AM
To: Parker, Thomas <TParker@buttecounty.net>; Mattioli, Mia Catharine (CDC/NCEZID/DFWED/WDPB) <kuk9@cdc.gov>
Subject: RE: Consultation re: STEC O157 cases exposed to natural recreational water in Butte County, CA

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Hi Thomas,

For the sediment sampling, we recommend going for the more silty sediment, if possible. The ultrafiltration procedure takes about 30 minutes for 50-L of water from start to finish. It will take a few minutes of setup, but once the filter is running you'll get 50-L through in 15-20 minutes at a 3-4 L/min flow rate. Then a few minutes of cleanup and you're on to the next site!

Thanks,
Amy

From: Parker, Thomas <TParker@buttecounty.net>
Sent: Monday, July 21, 2025 1:06 PM
To: Mattioli, Mia Catharine (CDC/NCEZID/DFWED/WDPB) <kuk9@cdc.gov>; Kahler, Amy (CDC/NCEZID/DFWED/WDPB) <ete1@cdc.gov>
Subject: RE: Consultation re: STEC O157 cases exposed to natural recreational water in Butte County, CA

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Thank you Mia. I have just two right now since I have not been able to read the protocol yet.

1. For the sediment sampling, is there a preference between sand or silt? Or does it matter?
2. How long does it typically take to filter the 50 liters of water? I am in the pre-planning stages and need to estimate time out in the field, coupled with my upcoming vacations.

Thanks,

Thomas Parker
Program Manager, Hazardous Materials
[BUTTE COUNTY PUBLIC HEALTH](#)
[202 Mira Loma Drive | Oroville, CA 95965](#)
T: 530.552.3870 | D: [530.552.3870](tel:530.552.3870)

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From: Mattioli, Mia Catharine (CDC/NCEZID/DFWED/WDPB) <kuk9@cdc.gov>
Sent: Monday, July 21, 2025 9:56 AM
To: Parker, Thomas <TParker@buttecounty.net>; Wais, Ashley <AWais@buttecounty.net>; Lamba, Katherine@CDPH <Katherine.Lamba@cdph.ca.gov>; Miko, Shanna (CDC/NCEZID/DFWED/WDPB) <rhu6@cdc.gov>; Beaudoin, Jarett <JBeaudoin@buttecounty.net>
Cc: Stainken, Cameron (CDC cdph.ca.gov) <cameron.stainken@cdph.ca.gov>; Kahler, Amy (CDC/NCEZID/DFWED/WDPB) <ete1@cdc.gov>; Kunz, Jasen M. (CDC/NCEZID/DFWED/WDPB) <izk0@cdc.gov>; Hill, Vincent (CDC/NCEZID/DFWED/WDPB) <veh2@cdc.gov>; McKeel, Haley (CDC/NCEZID/DFWED/EDLB) <hvw0@cdc.gov>; Strockbine, Nancy (CDC/NCEZID/DFWED/EDLB) <nas6@cdc.gov>; McSpadden, Elaine <EMcspadden@buttecounty.net>
Subject: RE: Consultation re: STEC O157 cases exposed to natural recreational water in Butte County, CA

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Hi Thomas,

You can direct those questions to myself and Amy Kahler (ete1@cdc.gov). Look forward to working with you!

Mia

Mia Catharine Mattioli
Environmental Engineer
Centers for Disease Control and Prevention (CDC)
Department of Health and Human Services (HHS)
Office: (404) 718-5643

From: Parker, Thomas <TParker@buttecounty.net>
Sent: Monday, July 21, 2025 12:35 PM
To: Mattioli, Mia Catharine (CDC/NCEZID/DFWED/WDPB) <kuk9@cdc.gov>; Wais, Ashley <AWais@buttecounty.net>; Lamba, Katherine@CDPH <Katherine.Lamba@cdph.ca.gov>; Miko, Shanna (CDC/NCEZID/DFWED/WDPB) <rhu6@cdc.gov>; Beaudoin, Jarett <JBeaudoin@buttecounty.net>
Cc: Stainken, Cameron (CDC cdph.ca.gov) <cameron.stainken@cdph.ca.gov>; Kahler, Amy (CDC/NCEZID/DFWED/WDPB) <ete1@cdc.gov>; Kunz, Jasen M. (CDC/NCEZID/DFWED/WDPB) <izk0@cdc.gov>; Hill, Vincent (CDC/NCEZID/DFWED/WDPB) <veh2@cdc.gov>; McKeel, Haley (CDC/NCEZID/DFWED/EDLB) <hvw0@cdc.gov>; Strockbine, Nancy (CDC/NCEZID/DFWED/EDLB) <nas6@cdc.gov>; McSpadden, Elaine <EMcspadden@buttecounty.net>
Subject: RE: Consultation re: STEC O157 cases exposed to natural recreational water in Butte County, CA

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Thank you Mia. If I have specific questions regarding sampling protocols or procedures, should I direct them to you or someone else?

Thomas Parker
Program Manager, Hazardous Materials

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From: Mattioli, Mia Catharine (CDC/NCEZID/DFWED/WDPB) <kuk9@cdc.gov>

Sent: Monday, July 21, 2025 9:26 AM

To: Wais, Ashley <AWais@buttecounty.net>; Lamba, Katherine@CDPH <Katherine.Lamba@cdph.ca.gov>; Miko, Shanna (CDC/NCEZID/DFWED/WDPB) <rhu6@cdc.gov>; Beaudoin, Jarett <JBeaudoin@buttecounty.net>

Cc: Stainken, Cameron (CDC cdph.ca.gov) <cameron.stainken@cdph.ca.gov>; Kahler, Amy (CDC/NCEZID/DFWED/WDPB) <ete1@cdc.gov>; Kunz, Jasen M. (CDC/NCEZID/DFWED/WDPB) <izk0@cdc.gov>; Hill, Vincent (CDC/NCEZID/DFWED/WDPB) <veh2@cdc.gov>; McKeel, Haley (CDC/NCEZID/DFWED/EDLB) <hvw0@cdc.gov>; Strockbine, Nancy (CDC/NCEZID/DFWED/EDLB) <nas6@cdc.gov>; McSpadden, Elaine <EMcspadden@buttecounty.net>; Parker, Thomas <TParker@buttecounty.net>

Subject: RE: Consultation re: STEC O157 cases exposed to natural recreational water in Butte County, CA

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Wonderful! We're work to get the supplies and sampling guidance to you asap.

I also realized I didn't answer you other question. The sediment sample you collect will be great to test (O157 is very hardy in sediment). Just be sure to keep it at 4C and ship on ice packs, which we will send. You can wait to send it with the other samples.

Also, you'll have my cell so we can facetime to troubleshoot any issues as well.

Thanks!

Mia

Mia Catharine Mattioli
Environmental Engineer
Centers for Disease Control and Prevention (CDC)
Department of Health and Human Services (HHS)
Office: (404) 718-5643

From: Wais, Ashley <AWais@buttecounty.net>

Sent: Monday, July 21, 2025 12:23 PM

To: Mattioli, Mia Catharine (CDC/NCEZID/DFWED/WDPB) <kuk9@cdc.gov>; Lamba, Katherine@CDPH <Katherine.Lamba@cdph.ca.gov>; Miko, Shanna (CDC/NCEZID/DFWED/WDPB) <rhu6@cdc.gov>; Beaudoin, Jarett <JBeaudoin@buttecounty.net>

Cc: Stainken, Cameron (CDC cdph.ca.gov) <cameron.stainken@cdph.ca.gov>; Kahler, Amy (CDC/NCEZID/DFWED/WDPB)

<ete1@cdc.gov>; Kunz, Jasen M. (CDC/NCEZID/DFWED/WDPB) <izk0@cdc.gov>; Hill, Vincent (CDC/NCEZID/DFWED/WDPB) <veh2@cdc.gov>; McKeel, Haley (CDC/NCEZID/DFWED/EDLB) <hvw0@cdc.gov>; Strockbine, Nancy (CDC/NCEZID/DFWED/EDLB) <nas6@cdc.gov>; McSpadden, Elaine <EMcspadden@buttecounty.net>; Parker, Thomas <TParker@buttecounty.net>

Subject: RE: Consultation re: STEC O157 cases exposed to natural recreational water in Butte County, CA

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Hi Mia,

Thank you for this insight. Below is the appropriate address to ship the supplies to.

Butte County Environmental Health
ATTN: Tom Parker
202 Mira Loma Drive
Oroville, CA 95965

In the meantime, the Butte County team will review the water sampling protocol shared in the meeting and have internal discussions to confirm sampling locations. I believe that we will have additional questions before we conduct sampling and greatly appreciate the CDC team's support and guidance during this project.

Thank you,

Ashley Wais, MPH, CIC®

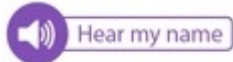
Epidemiologist

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[202 Mira Loma Drive | Oroville, CA 95965](#)

T: [530-552-3950](tel:530-552-3950) | M: [530-300-4166](tel:530-300-4166)

<https://www.buttecounty.net/610/Public-Health>



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From: Mattioli, Mia Catharine (CDC/NCEZID/DFWED/WDPB) <kuk9@cdc.gov>

Sent: Saturday, July 19, 2025 11:31 AM

To: Wais, Ashley <AWais@buttecounty.net>; Lamba, Katherine@CDPH <Katherine.Lamba@cdph.ca.gov>; Miko, Shanna (CDC/NCEZID/DFWED/WDPB) <rhu6@cdc.gov>; Beaudoin, Jarett <JBeaudoin@buttecounty.net>

Cc: Stainken, Cameron (CDC cdpH.ca.gov) <cameron.stainken@cdph.ca.gov>; Kahler, Amy (CDC/NCEZID/DFWED/WDPB) <ete1@cdc.gov>; Kunz, Jasen M. (CDC/NCEZID/DFWED/WDPB) <izk0@cdc.gov>; Hill, Vincent (CDC/NCEZID/DFWED/WDPB) <veh2@cdc.gov>; McKeel, Haley (CDC/NCEZID/DFWED/EDLB) <hvw0@cdc.gov>;

Strockbine, Nancy (CDC/NCEZID/DFWED/EDLB) <nas6@cdc.gov>

Subject: RE: Consultation re: STEC O157 cases exposed to natural recreational water in Butte County, CA

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Hi Ashley,

It was great speaking with you all on Friday. We are happy to support sampling and testing of the creek associated with the *E. coli* O157:H7 outbreak.

Based on our discussion, we would recommend water and sediment sampling at the following **5 locations**: the three swimming sites associated with exposure, immediately downstream of the golf course but upstream of the first swimming location, and further upstream where the wildfire sediment deposited. We would test these samples for *E. coli* O157:H7 and generic fecal indicator *E. coli*, as well as microbial source tracking markers specific to feces for birds, ruminants, and humans and markers specific to mitochondria of goose (given the Wildwood association). As mentioned on the call, Amy Irani in Nevada County did the sampling for the Lake Wildwood outbreak and is familiar with our large volume ultrafiltration sampling procedure so we would recommend asking if she can support given that experience.

If you all are OK with this plan, we can provide more details on the sampling and supplies, but first we **need the best address to ship**. Likely the earliest we can get the supplies to you all is Wednesday morning so sampling could occur on Wednesday and Thursday at the earliest. Friday sampling is tricky because Saturday delivery by FedEx is often problematic.

Thanks again for reaching out and look forward to working with you all!

Mia

Mia Catharine Mattioli
Environmental Engineer
Centers for Disease Control and Prevention (CDC)
Department of Health and Human Services (HHS)
Office: (404) 718-5643

From: Wais, Ashley <AWais@buttecounty.net>

Sent: Friday, July 18, 2025 6:45 PM

To: Lamba, Katherine@CDPH <Katherine.Lamba@cdph.ca.gov>; Mattioli, Mia Catharine (CDC/NCEZID/DFWED/WDPB) <kuk9@cdc.gov>; Miko, Shanna (CDC/NCEZID/DFWED/WDPB) <rhu6@cdc.gov>; Beaudoin, Jarett <JBeaudoin@buttecounty.net>

Cc: Stainken, Cameron (CDC cdph.ca.gov) <cameron.stainken@cdph.ca.gov>; Kahler, Amy (CDC/NCEZID/DFWED/WDPB) <ete1@cdc.gov>; Kunz, Jasen M. (CDC/NCEZID/DFWED/WDPB) <izk0@cdc.gov>; Hill, Vincent (CDC/NCEZID/DFWED/WDPB) <veh2@cdc.gov>; McKeel, Haley (CDC/NCEZID/DFWED/EDLB) <hvw0@cdc.gov>; Strockbine, Nancy (CDC/NCEZID/DFWED/EDLB) <nas6@cdc.gov>

Subject: RE: Consultation re: STEC O157 cases exposed to natural recreational water in Butte County, CA

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Hi CDC/CDPH teams,

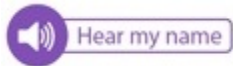
Thank you all so much for your time and support with this scenario. We will await further guidance on next steps.

I would also love to reach out to Jordan who was on the call speaking about the sequencing results, but I do not see them on this email chain currently. If someone from the CDC team could send me their contact info, that would be much appreciated.

Lastly, the City of Chico collected a sediment sample while conducting their cleaning efforts yesterday. I wanted to confirm if there was a time frame in which that needs to be tested for it to be viable?

Thank you again,

Ashley Wais, MPH, CIC®
Epidemiologist
[BUTTE COUNTY PUBLIC HEALTH](#)
[202 Mira Loma Drive | Oroville, CA 95965](#)
T: [530-552-3950](#) | M: [530-300-4166](#)
<https://www.buttecounty.net/610/Public-Health>



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From: Lamba, Katherine@CDPH <Katherine.Lamba@cdph.ca.gov>
Sent: Friday, July 18, 2025 9:48 AM
To: Wais, Ashley <AWais@buttecounty.net>; 'Mattioli, Mia Catharine (CDC/NCEZID/DFWED/WDPB)' <kuk9@cdc.gov>; Miko, Shanna (CDC/NCEZID/DFWED/WDPB) <rhu6@cdc.gov>; Beaudoin, Jarett <jbeaudoin@buttecounty.net>
Cc: Stainken, Cameron@CDPH <Cameron.Stainken@cdph.ca.gov>; Kahler, Amy (CDC/NCEZID/DFWED/WDPB) <ete1@cdc.gov>; Kunz, Jasen M. (CDC/NCEZID/DFWED/WDPB) <izk0@cdc.gov>; Hill, Vincent (CDC/NCEZID/DFWED/WDPB) <veh2@cdc.gov>; McKeel, Haley (CDC/NCEZID/DFWED/EDLB) <hvw0@cdc.gov>; Strockbine, Nancy (CDC/NCEZID/DFWED/EDLB) <nas6@cdc.gov>
Subject: RE: Consultation re: STEC O157 cases exposed to natural recreational water in Butte County, CA

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[Redacted]

[Redacted]	[Redacted]	[Redacted]	[Redacted]	[Redacted]	[Redacted]	[Redacted]	[Redacted]
[Redacted]	[Redacted]	[Redacted]	[Redacted]	[Redacted]	[Redacted]	[Redacted]	[Redacted]
[Redacted]	[Redacted]	[Redacted]	[Redacted]	[Redacted]	[Redacted]	[Redacted]	[Redacted]

Kat

Katherine Lamba, MPH (she/her)
California Department of Public Health
Phone: 510-620-3429 | Email: Katherine.Lamba@cdph.ca.gov

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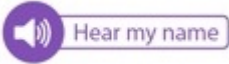
From: Wais, Ashley <AWais@buttecounty.net>
Sent: Thursday, July 17, 2025 4:14 PM
To: Lamba, Katherine@CDPH <Katherine.Lamba@cdph.ca.gov>; 'Mattioli, Mia Catharine (CDC/NCEZID/DFWED/WDPB)' <kuk9@cdc.gov>; Miko, Shanna (CDC/NCEZID/DFWED/WDPB) <rhu6@cdc.gov>; Beaudoin, Jarett <jbeaudoin@buttecounty.net>
Cc: Stainken, Cameron@CDPH <Cameron.Stainken@cdph.ca.gov>; Kahler, Amy (CDC/NCEZID/DFWED/WDPB) <ete1@cdc.gov>; Kunz, Jasen M. (CDC/NCEZID/DFWED/WDPB) <izk0@cdc.gov>; Hill, Vincent (CDC/NCEZID/DFWED/WDPB) <veh2@cdc.gov>; McKeel, Haley (CDC/NCEZID/DFWED/EDLB) <hvw0@cdc.gov>; Strockbine, Nancy (CDC/NCEZID/DFWED/EDLB) <nas6@cdc.gov>
Subject: RE: Consultation re: STEC O157 cases exposed to natural recreational water in Butte County, CA

Hi Kat,

Thank you for this update. For the table below there are a few exposures that need to be updated.

Thank you,

Ashley Wais, MPH, CIC®
Epidemiologist
[BUTTE COUNTY PUBLIC HEALTH](#)
[202 Mira Loma Drive | Oroville, CA 95965](#)
T: [530-552-3950](tel:530-552-3950) | M: [530-300-4166](tel:530-300-4166)
<https://www.buttecounty.net/610/Public-Health>



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From: Lamba, Katherine@CDPH <Katherine.Lamba@cdph.ca.gov>
Sent: Thursday, July 17, 2025 3:55 PM
To: Wais, Ashley <AWais@buttecounty.net>; 'Mattioli, Mia Catharine (CDC/NCEZID/DFWED/WDPB)' <kuk9@cdc.gov>; Miko, Shanna (CDC/NCEZID/DFWED/WDPB) <rhu6@cdc.gov>; Beaudoin, Jarett <jbeaudoin@buttecounty.net>
Cc: Stainken, Cameron@CDPH <Cameron.Stainken@cdph.ca.gov>; Kahler, Amy (CDC/NCEZID/DFWED/WDPB) <ete1@cdc.gov>; Kunz, Jasen M. (CDC/NCEZID/DFWED/WDPB) <izk0@cdc.gov>; Hill, Vincent (CDC/NCEZID/DFWED/WDPB) <veh2@cdc.gov>; McKeel, Haley (CDC/NCEZID/DFWED/EDLB) <hvw0@cdc.gov>; Strockbine, Nancy (CDC/NCEZID/DFWED/EDLB) <nas6@cdc.gov>
Subject: RE: Consultation re: STEC O157 cases exposed to natural recreational water in Butte County, CA

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Hi all,

[Redacted]

[Redacted]	[Redacted]	[Redacted]	[Redacted]	[Redacted]	[Redacted]	[Redacted]	[Redacted]
[Redacted]	[Redacted]	[Redacted]	[Redacted]	[Redacted]	[Redacted]	[Redacted]	[Redacted]
[Redacted]	[Redacted]	[Redacted]	[Redacted]	[Redacted]	[Redacted]	[Redacted]	[Redacted]
[Redacted]	[Redacted]	[Redacted]	[Redacted]	[Redacted]	[Redacted]	[Redacted]	[Redacted]
[Redacted]	[Redacted]	[Redacted]	[Redacted]	[Redacted]	[Redacted]	[Redacted]	[Redacted]
[Redacted]	[Redacted]	[Redacted]	[Redacted]	[Redacted]	[Redacted]	[Redacted]	[Redacted]

Thanks,
Kat

Katherine Lamba, MPH (she/her)
California Department of Public Health
Phone: 510-620-3429 | Email: Katherine.Lamba@cdph.ca.gov

Confidential - Low

From: Wais, Ashley <AWais@buttecounty.net>

Sent: Thursday, July 17, 2025 8:56 AM

To: 'Mattioli, Mia Catharine (CDC/NCEZID/DFWED/WDPB)' <kuk9@cdc.gov>; Lamba, Katherine@CDPH <Katherine.Lamba@cdph.ca.gov>; Miko, Shanna (CDC/NCEZID/DFWED/WDPB) <rhu6@cdc.gov>; Beaudoin, Jarett <jbeaudoin@buttecounty.net>

Cc: Stainken, Cameron@CDPH <Cameron.Stainken@cdph.ca.gov>; Kahler, Amy (CDC/NCEZID/DFWED/WDPB) <ete1@cdc.gov>; Kunz, Jasen M. (CDC/NCEZID/DFWED/WDPB) <izk0@cdc.gov>; Hill, Vincent (CDC/NCEZID/DFWED/WDPB) <veh2@cdc.gov>; McKeel, Haley (CDC/NCEZID/DFWED/EDLB) <hvw0@cdc.gov>; Strockbine, Nancy (CDC/NCEZID/DFWED/EDLB) <nas6@cdc.gov>

Subject: RE: Consultation re: STEC O157 cases exposed to natural recreational water in Butte County, CA

Hi Mia,

Thank you for accommodating our tight schedule and consulting with us for this scenario. We have reached out to the City of Chico to see if they can acquire these samples. We are available at 12PM tomorrow for a discussion.

I did have a few questions related to the sample requests:

1. The pool is now drained (see below) and the process for removing sediment is underway. Did the sediment need to be submerged?
2. I am not sure it will be possible to acquire a “mucky water” sample now that the pool is drained. Is there a different type of sample that should be taken or should it be taken from another location (upstream)?

Any insight is appreciated.



Thank you,
Ashley Wais, MPH, CIC®

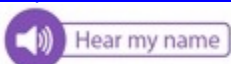
Epidemiologist

[BUTTE COUNTY PUBLIC HEALTH](#)

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From: Mattioli, Mia Catharine (CDC/NCEZID/DFWED/WDPB) <kuk9@cdc.gov>

Sent: Thursday, July 17, 2025 8:31 AM

To: Lamba, Katherine@CDPH <Katherine.Lamba@cdph.ca.gov>; Miko, Shanna (CDC/NCEZID/DFWED/WDPB) <rhu6@cdc.gov>; Wais, Ashley <AWais@buttecounty.net>; Beaudoin, Jarett <jbeaudoin@buttecounty.net>

Cc: Stainken, Cameron (CDC cdph.ca.gov) <cameron.stainken@cdph.ca.gov>; Kahler, Amy (CDC/NCEZID/DFWED/WDPB) <ete1@cdc.gov>; Kunz, Jasen M. (CDC/NCEZID/DFWED/WDPB) <izk0@cdc.gov>; Hill, Vincent (CDC/NCEZID/DFWED/WDPB) <veh2@cdc.gov>; McKeel, Haley (CDC/NCEZID/DFWED/EDLB) <hvw0@cdc.gov>; Strockbine, Nancy (CDC/NCEZID/DFWED/EDLB) <nas6@cdc.gov>

Subject: RE: Consultation re: STEC O157 cases exposed to natural recreational water in Butte County, CA

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Hi Kat,

Thanks so much for proposing times!

CDC is available at the following:

- Friday 7/18: 12pm PST/3PM EST
- Monday 7/21: 1pm PST/4pm EST

Also, if they are cleaning out Sycamore pool, could we ask that someone grab two, 1-L bottles and fill one halfway with the sediment and the other almost full with the mucky water churned up? These can be stored in a fridge (4C) until process. Our lab does this type of testing if not available in CA. These samples will be the best for this type of bug and water source.

Thanks!

Mia

Mia Catharine Mattioli
Environmental Engineer
Centers for Disease Control and Prevention (CDC)
Department of Health and Human Services (HHS)
Office: (404) 718-5643

From: Lamba, Katherine@CDPH <Katherine.Lamba@cdph.ca.gov>

Sent: Wednesday, July 16, 2025 9:22 PM

To: Mattioli, Mia Catharine (CDC/NCEZID/DFWED/WDPB) <kuk9@cdc.gov>; Miko, Shanna (CDC/NCEZID/DFWED/WDPB) <rhu6@cdc.gov>; Wais, Ashley <AWais@buttecounty.net>; Beaudoin, Jarett <jbeaudoin@buttecounty.net>

Cc: Stainken, Cameron (CDC cdph.ca.gov) <cameron.stainken@cdph.ca.gov>; Kahler, Amy (CDC/NCEZID/DFWED/WDPB) <ete1@cdc.gov>; Kunz, Jasen M. (CDC/NCEZID/DFWED/WDPB) <izk0@cdc.gov>; Hill, Vincent (CDC/NCEZID/DFWED/WDPB) <veh2@cdc.gov>; McKeel, Haley (CDC/NCEZID/DFWED/EDLB) <hvw0@cdc.gov>; Strockbine, Nancy (CDC/NCEZID/DFWED/EDLB) <nas6@cdc.gov>

Subject: RE: Consultation re: STEC O157 cases exposed to natural recreational water in Butte County, CA

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Hi all,

Looping in a couple of folks from Butte County directly (Ashley Wais- epi and Dr. Beaudoin, Health Officer) so we can all sort out scheduling for this call.

Looks like scheduling over the next several days may be challenging but hopefully we can sort out a time that works sooner rather than later for the group. Would CDC team by chance be available during any of the following times?

- Thursday 7/17: 12pm PST/3PM EST
- Friday 7/18: 12pm PST/3PM EST
- Monday 7/21: 9am-11am PST (12-2 EST); 1pm PST/4pm EST
 - For Monday these are the slots that work for CDC and CDPH; @Wais, Ashley let us know if any of these work for Butte.

Thank you!
Kat

Katherine Lamba, MPH (she/her)
California Department of Public Health
Phone: 510-620-3429 | Email: Katherine.Lamba@cdph.ca.gov

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From: Lamba, Katherine@CDPH
Sent: Wednesday, July 16, 2025 2:44 PM
To: Mattioli, Mia Catharine (CDC/NCEZID/DFWED/WDPB) <kuk9@cdc.gov>; Miko, Shanna (CDC/NCEZID/DFWED/WDPB) <rhu6@cdc.gov>
Cc: Stainken, Cameron@CDPH <Cameron.Stainken@cdph.ca.gov>; Kahler, Amy (CDC/NCEZID/DFWED/WDPB) <ete1@cdc.gov>; Kunz, Jasen M. (CDC/NCEZID/DFWED/WDPB) <izk0@cdc.gov>; Hill, Vincent (CDC/NCEZID/DFWED/WDPB) <veh2@cdc.gov>; McKeel, Haley (CDC/NCEZID/DFWED/EDLB) <hvw0@cdc.gov>; Strockbine, Nancy (CDC/NCEZID/DFWED/EDLB) <nas6@cdc.gov>
Subject: RE: Consultation re: STEC O157 cases exposed to natural recreational water in Butte County, CA

[REDACTED]

[REDACTED]

[REDACTED] My thought went to geese flying down from WA 😊 .

Kat

Katherine Lamba, MPH (she/her)
California Department of Public Health
Phone: 510-620-3429 | Email: Katherine.Lamba@cdph.ca.gov

From: Mattioli, Mia Catharine (CDC/NCEZID/DFWED/WDPB) <kuk9@cdc.gov>
Sent: Wednesday, July 16, 2025 2:30 PM
To: Lamba, Katherine@CDPH <Katherine.Lamba@cdph.ca.gov>; Miko, Shanna (CDC/NCEZID/DFWED/WDPB) <rhu6@cdc.gov>
Cc: Stainken, Cameron@CDPH <Cameron.Stainken@cdph.ca.gov>; Kahler, Amy (CDC/NCEZID/DFWED/WDPB) <ete1@cdc.gov>; Kunz, Jasen M. (CDC/NCEZID/DFWED/WDPB) <izk0@cdc.gov>; Hill, Vincent (CDC/NCEZID/DFWED/WDPB) <veh2@cdc.gov>; McKeel, Haley (CDC/NCEZID/DFWED/EDLB) <hvw0@cdc.gov>; Strockbine, Nancy (CDC/NCEZID/DFWED/EDLB) <nas6@cdc.gov>
Subject: RE: Consultation re: STEC O157 cases exposed to natural recreational water in Butte County, CA

Adding our other enterics clinical outbreak SME, Nancy Strockbine, as well.

Thanks!

Mia Catharine Mattioli
Environmental Engineer
Centers for Disease Control and Prevention (CDC)
Department of Health and Human Services (HHS)
Office: (404) 718-5643

From: Mattioli, Mia Catharine (CDC/NCEZID/DFWED/WDPB)
Sent: Wednesday, July 16, 2025 5:28 PM
To: Lamba, Katherine@CDPH <Katherine.Lamba@cdph.ca.gov>; Miko, Shanna (CDC/NCEZID/DFWED/WDPB) <rhu6@cdc.gov>
Cc: Stainken, Cameron (CDC cdph.ca.gov) <cameron.stainken@cdph.ca.gov>; Kahler, Amy (CDC/NCEZID/DFWED/WDPB) <ete1@cdc.gov>; Kunz, Jasen M. (CDC/NCEZID/DFWED/WDPB) <izk0@cdc.gov>; Hill, Vincent (CDC/NCEZID/DFWED/WDPB) <veh2@cdc.gov>; McKeel, Haley (CDC/NCEZID/DFWED/EDLB) <hvw0@cdc.gov>
Subject: RE: Consultation re: STEC O157 cases exposed to natural recreational water in Butte County, CA

OK, thanks so much! This is very close and similar sounding to our Lake Wildwood *E. coli* O157:H7 outbreak in 2017 at almost the exact same time of year. In that case there were Canada geese amplifying the pathogen within the lake. I wonder if there are geese or other birds frequenting these untreated venues as well. I'm including our clinical enterics laboratory SME, Haley McKeel, who was also involved in the 2017 response.

Our team would be available this Friday (7/18) from 12-2 PM EST or next Monday (7/21) after 12 PM EST. If none of those times work for you all, let us know what works best for you, and we can move things on our end.

Thanks again for reaching out!

Mia

Mia Catharine Mattioli
Environmental Engineer
Centers for Disease Control and Prevention (CDC)
Department of Health and Human Services (HHS)
Office: (404) 718-5643

From: Lamba, Katherine@CDPH <Katherine.Lamba@cdph.ca.gov>
Sent: Wednesday, July 16, 2025 5:22 PM
To: Mattioli, Mia Catharine (CDC/NCEZID/DFWED/WDPB) <kuk9@cdc.gov>; Miko, Shanna (CDC/NCEZID/DFWED/WDPB) <rhu6@cdc.gov>
Cc: Stainken, Cameron (CDC cdph.ca.gov) <cameron.stainken@cdph.ca.gov>; Kahler, Amy (CDC/NCEZID/DFWED/WDPB)

<ete1@cdc.gov>; Kunz, Jasen M. (CDC/NCEZID/DFWED/WDPB) <izk0@cdc.gov>; Hill, Vincent (CDC/NCEZID/DFWED/WDPB) <veh2@cdc.gov>

Subject: RE: Consultation re: STEC O157 cases exposed to natural recreational water in Butte County, CA

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Fantastic, thanks! Let me check in with our Butte County colleagues then I will loop them in and can coordinate setting something up. In the meantime if you are able to share some time slots over the next several days that work for your team that would be great.

Yes- Sycamore pool is untreated water.

Kat

Katherine Lamba, MPH (she/her)
California Department of Public Health
Phone: 510-620-3429 | Email: Katherine.Lamba@cdph.ca.gov

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From: Mattioli, Mia Catharine (CDC/NCEZID/DFWED/WDPB) <kuk9@cdc.gov>
Sent: Wednesday, July 16, 2025 2:11 PM
To: Lamba, Katherine@CDPH <Katherine.Lamba@cdph.ca.gov>; Miko, Shanna (CDC/NCEZID/DFWED/WDPB) <rhu6@cdc.gov>
Cc: Stainken, Cameron@CDPH <Cameron.Stainken@cdph.ca.gov>; Kahler, Amy (CDC/NCEZID/DFWED/WDPB) <ete1@cdc.gov>; Kunz, Jasen M. (CDC/NCEZID/DFWED/WDPB) <izk0@cdc.gov>; Hill, Vincent (CDC/NCEZID/DFWED/WDPB) <veh2@cdc.gov>
Subject: RE: Consultation re: STEC O157 cases exposed to natural recreational water in Butte County, CA

Hi Kat,

Thanks for reaching out! Yes, Shanna and I are the right contacts. Shanna is only leave this week so I've included her back-fill for outbreak support, Jasen Kunz. Jasen can set up a call to discuss sampling and testing. Our lab does both water and sediment testing for *E. coli* O157:H7, and we happy to discuss our sampling and testing methods. Of note, generic *E. coli* tests used for monitoring do *not* detect O157:H7 strains, which means those values alone cannot be used to evaluate risk of pathogen contamination.

Thanks for the outbreak notes as well. Just so I'm clear, this pool is untreated, correct? It is fed by a creek without further treatment?

Let us know if you would like to set up a call or prefer Jasen reach out, and thanks again!

Mia

Mia Catharine Mattioli
Environmental Engineer
Centers for Disease Control and Prevention (CDC)
Department of Health and Human Services (HHS)
Office: (404) 718-5643

From: Lamba, Katherine@CDPH <Katherine.Lamba@cdph.ca.gov>

Sent: Wednesday, July 16, 2025 5:05 PM

To: Mattioli, Mia Catharine (CDC/NCEZID/DFWED/WDPB) <kuk9@cdc.gov>; Miko, Shanna (CDC/NCEZID/DFWED/WDPB) <rhu6@cdc.gov>

Cc: Stainken, Cameron (CDC cdph.ca.gov) <cameron.stainken@cdph.ca.gov>

Subject: Consultation re: STEC O157 cases exposed to natural recreational water in Butte County, CA

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Hi Mia and Shanna,

Hoping you're still the right contacts to reach out to- if not, please forward as needed.

CDPH has been supporting Butte County in the investigation of STEC O157 cases they suspect are associated with a couple of related natural recreational water locations in Chico, CA. Butte County has been in discussions with the City of Chico regarding possible testing of water and sediment for STEC/STEC O157 and they are looking for guidance on sampling methods, interpretation of laboratory results, and considerations around water sampling. We're wondering if you and your team may be available to consult on this situation, possibly via a conference call?

Some background:

- Butte County initially identified 2 cases of STEC O157 [REDACTED], onsets [REDACTED], where exposure to [Sycamore Pool](#) (aka One-Mile recreational area/Bidwell Park) in Chico is the suspected exposure. WGS has been completed for one STEC case and is in process for the 2nd. No other closely related recent STEC isolates have been identified.
 - 1 additional STEC case with onset [REDACTED] and exposure to Sycamore pool on [REDACTED] was subsequently identified.
- Sycamore pool is a man-made concrete swimming 'pool' with fresh natural recreational water and is connected to Big Chico Creek
- On 7/1/25, the City of Chico issued a [swimming advisory](#) at Sycamore pool due to elevated E. coli levels from routine testing. Samples are routinely collected upstream and downstream from Sycamore pool. The [pool is closed 7/16-7/18](#) for routine sediment removal/cleaning.
- Butte County has now identified 2 additional STEC cases, onsets [REDACTED] with exposure to the [Five Mile recreational area](#) in Chico, which is also connected to the Big Chico Creek but is about 3 miles east of Sycamore Pool. WGS is pending to determine if these cases have STEC isolates that are related to cases with Sycamore pool exposure.

Thank you, and Cameron please chime in if I've missed any relevant info.

Kat

Katherine Lamba, MPH (she/her)

Epidemiologist

Disease Investigations Section | Infectious Diseases Branch

Center for Infectious Diseases

California Department of Public Health

Phone: 510-620-3429 | Email: Katherine.Lamba@cdph.ca.gov

IDB-DIS general inbox: IDB-DIS@cdph.ca.gov



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Beaudoin, Jarett

From: Beaudoin, Jarett
Sent: Friday, August 1, 2025 8:34 AM
To: Lefaver, Jennifer
Subject: O157 Outbreak Meeting

Hello!

Could you use your magical scheduling skills to find a meeting time for Me, Monica, Erin, Elaine, Lisa, and Ashley on Tue, Wed, or Thur next week?

It's to discuss next steps for the O157 outbreak.

Jarett Beaudoin, M.D., M.P.H.

Public Health Officer

[BUTTE COUNTY PUBLIC HEALTH](#)

[202 Mira Loma Drive | Oroville, CA 95965](#)

T: 530.552.4000

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Beaudoin, Jarett

From: Beaudoin, Jarett
Sent: Friday, August 1, 2025 8:31 AM
To: Cox, Erin; Soderstrom, Monica; McSpadden, Elaine; Almaguer, Lisa
Cc: Wais, Ashley
Subject: Re: Consultation re: STEC O157 cases exposed to natural recreational water in Butte County, CA

Hmmm. I highly doubt this level of information would be public? But I am just guessing.

Regardless, I was thinking we were going to release the information about the linkage (generally) in addition to the results of the sediment samples when we have all the data back and have a plan.

We should set up a meeting for mid-next week because I bet we will have the results Monday or Tuesday and would love everyone's thoughts on next steps. I'll message Jen to get us something.

-Jarett

From: Cox, Erin <ECox@buttecounty.net>
Sent: Friday, August 1, 2025 8:24 AM
To: Beaudoin, Jarett <JBeaudoin@buttecounty.net>; Soderstrom, Monica <msoderstrom@buttecounty.net>; McSpadden, Elaine <EMcspadden@buttecounty.net>; Almaguer, Lisa <LAlmaguer@buttecounty.net>
Cc: Wais, Ashley <AWais@buttecounty.net>
Subject: Re: Consultation re: STEC O157 cases exposed to natural recreational water in Butte County, CA

Thank you Jarett- Just out of caution is NCBI data public? I just want us to think about getting information out ahead of the media/savvy lawyers who may be looking for this information and then being able to connect the dots. Not necessarily about the water but about the cases being connected?

Thoughts?

Thank you
Erin

Erin Cox, MHS (Ret. FP-C, Paramedic) (she/her/hers)
Division Director
Emergency Preparedness and Infectious Disease Control (EPIC)
Public Health Laboratory

[BUTTE COUNTY PUBLIC HEALTH](#)
[2080 E20th Street Suite 180 Chico CA 95928](#)
M: 530.693.5674 F: 530.538.2165
ecox@buttecounty.net
<https://www.buttecounty.net/610/Public-Health>

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From: Beaudoin, Jarett <JBeaudoin@buttecounty.net>
Sent: Friday, August 1, 2025 8:10
To: Soderstrom, Monica <msoderstrom@buttecounty.net>; Cox, Erin <ECox@buttecounty.net>; McSpadden, Elaine <EMcspadden@buttecounty.net>; Almaguer, Lisa <LAlmaguer@buttecounty.net>
Cc: Wais, Ashley <AWais@buttecounty.net>
Subject: Fw: Consultation re: STEC O157 cases exposed to natural recreational water in Butte County, CA

Just to keep your mental list running, we now have 4/5 cases confirmed by whole genome sequencing to be linked.

Last one pending is Aligator hole. I think this will be the next good piece of data for thinking about risk of swimming upstream of 5-mile.

-Jarett

From: Lamba, Katherine@CDPH <Katherine.Lamba@cdph.ca.gov>
Sent: Thursday, July 31, 2025 4:53 PM
To: McKeel, Haley (CDC/NCEZID/DFWED/EDLB) <hvw0@cdc.gov>; Miko, Shanna (CDC/NCEZID/DFWED/WDPB) <rhu6@cdc.gov>; Kahler, Amy (CDC/NCEZID/DFWED/WDPB) <ete1@cdc.gov>; Bond, Christian R@CDPH <Christian.Bond@cdph.ca.gov>; Mattioli, Mia Catharine (CDC/NCEZID/DFWED/WDPB) <kuk9@cdc.gov>; Parker, Thomas <TParker@buttecounty.net>; Beaudoin, Jarett <jbeaudoin@buttecounty.net>
Cc: Roundtree, Alexis V. (CDC/NCEZID/DFWED/WDPB) (CTR) <hzj5@cdc.gov>; Kunz, Jasen M. (CDC/NCEZID/DFWED/WDPB) <izk0@cdc.gov>; Strockbine, Nancy (CDC/NCEZID/DFWED/EDLB) <nas6@cdc.gov>; PulseNet (CDC) <pulsenet@cdc.gov>; Stainken, Cameron@CDPH <Cameron.Stainken@cdph.ca.gov>; MacGurn, Amanda (CDC/NCEZID/DFWED/WDPB) <wmh9@cdc.gov>
Subject: RE: Consultation re: STEC O157 cases exposed to natural recreational water in Butte County, CA

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[REDACTED]

[REDACTED]

[REDACTED]	[REDACTED]	[REDACTED]	[REDACTED]	[REDACTED]	[REDACTED]	[REDACTED]	[REDACTED]
[REDACTED]	[REDACTED]	[REDACTED]	[REDACTED]	[REDACTED]	[REDACTED]	[REDACTED]	[REDACTED]
[REDACTED]	[REDACTED]	[REDACTED]	[REDACTED]	[REDACTED]	[REDACTED]	[REDACTED]	[REDACTED]
[REDACTED]	[REDACTED]	[REDACTED]	[REDACTED]	[REDACTED]	[REDACTED]	[REDACTED]	[REDACTED]

Kat

Katherine Lamba, MPH (she/her)
California Department of Public Health
Phone: 510-620-3429 | Email: Katherine.Lamba@cdph.ca.gov

Confidential - Low

From: McKeel, Haley (CDC/NCEZID/DFWED/EDLB) <hvw0@cdc.gov>
Sent: Wednesday, July 30, 2025 6:40 AM
To: Miko, Shanna (CDC/NCEZID/DFWED/WDPB) <rhu6@cdc.gov>; Lamba, Katherine@CDPH <Katherine.Lamba@cdph.ca.gov>; Kahler, Amy (CDC/NCEZID/DFWED/WDPB) <ete1@cdc.gov>; Bond, Christian R@CDPH <Christian.Bond@cdph.ca.gov>; Hummadi, Omar@CDPH <Omar.Hummadi@cdph.ca.gov>; Kiang, David@CDPH <David.Kiang@cdph.ca.gov>; Mattioli, Mia Catharine (CDC/NCEZID/DFWED/WDPB) <kuk9@cdc.gov>; Parker, Thomas <TParker@buttecounty.net>; Beaudoin, Jarett <jbeaudoin@buttecounty.net>
Cc: Roundtree, Alexis V. (CDC/NCEZID/DFWED/WDPB) (CTR) <hzi5@cdc.gov>; Kunz, Jasen M. (CDC/NCEZID/DFWED/WDPB) <izk0@cdc.gov>; Strockbine, Nancy (CDC/NCEZID/DFWED/EDLB) <nas6@cdc.gov>; PulseNet (CDC) <pulsenet@cdc.gov>; Stainken, Cameron@CDPH <Cameron.Stainken@cdph.ca.gov>; MacGurn, Amanda (CDC/NCEZID/DFWED/WDPB) <wmh9@cdc.gov>
Subject: RE: Consultation re: STEC O157 cases exposed to natural recreational water in Butte County, CA

Also adding [@PulseNet \(CDC\)](#) back to the thread for awareness. And good news - I did see all four clinical isolates on NCBI this morning. We'll be on the lookout for the shipment of goose scat samples today.
Many thanks,
Haley



Haley McKeel
Microbiologist
Centers for Disease Control and Prevention (CDC)
Department of Health and Human Services (HHS)
404-639-1612 (office)

From: Miko, Shanna (CDC/NCEZID/DFWED/WDPB) <rhu6@cdc.gov>
Sent: Wednesday, July 30, 2025 9:33 AM
To: Katherine.Lamba@cdph.ca.gov; Kahler, Amy (CDC/NCEZID/DFWED/WDPB) <ete1@cdc.gov>; McKeel, Haley (CDC/NCEZID/DFWED/EDLB) <hvw0@cdc.gov>; Christian.Bond@cdph.ca.gov; Omar.Hummadi@cdph.ca.gov; David.Kiang@cdph.ca.gov; Mattioli, Mia Catharine (CDC/NCEZID/DFWED/WDPB) <kuk9@cdc.gov>; Parker, Thomas <TParker@buttecounty.net>; Beaudoin, Jarett <jbeaudoin@buttecounty.net>; Miko, Shanna (CDC/NCEZID/DFWED/WDPB) <rhu6@cdc.gov>
Cc: Roundtree, Alexis V. (CDC/NCEZID/DFWED/WDPB) (CTR) <hzi5@cdc.gov>; Kunz, Jasen M.

(CDC/NCEZID/DFWED/WDPB) <izk0@cdc.gov>; Strockbine, Nancy (CDC/NCEZID/DFWED/EDLB) <nas6@cdc.gov>;
Stainken, Cameron (CDC cdph.ca.gov) <cameron.stainken@cdph.ca.gov>; MacGurn, Amanda
(CDC/NCEZID/DFWED/WDPB) <wmh9@cdc.gov>

Subject: RE: Consultation re: STEC O157 cases exposed to natural recreational water in Butte County, CA

Adding @Miko, Shanna (CDC/NCEZID/DFWED/WDPB) back to thread for outbreak coordination POC, I think I fell off when on leave.

From: Kunz, Jasen M. (CDC/NCEZID/DFWED/WDPB) <izk0@cdc.gov>

Sent: Tuesday, July 29, 2025 4:32 PM

To: Miko, Shanna (CDC/NCEZID/DFWED/WDPB) <rhu6@cdc.gov>

Subject: Fw: Consultation re: STEC O157 cases exposed to natural recreational water in Butte County, CA

Looks like your name was left off.

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From: Wais, Ashley <AWais@buttecounty.net>

Sent: Tuesday, July 29, 2025 3:32:05 PM

To:

Cc:

Subject: RE: Consultation re: STEC O157 cases exposed to natural recreational water in Butte County, CA

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Thank you Amy and CDC team for this update. We greatly appreciate the quick response! The goose scat samples should arrive at CDC tomorrow.

Thank you again,

Ashley Wais, MPH, CIC®

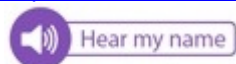
Epidemiologist

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From: Lamba, Katherine@CDPH <Katherine.Lamba@cdph.ca.gov>
Sent: Tuesday, July 29, 2025 12:27 PM
To: Kahler, Amy (CDC/NCEZID/DFWED/WDPB) <ete1@cdc.gov>; McKeel, Haley (CDC/NCEZID/DFWED/EDLB) <hvw0@cdc.gov>; Wais, Ashley <AWais@buttecounty.net>; Bond, Christian R@CDPH <Christian.Bond@cdph.ca.gov>; Hummadi, Omar@CDPH <Omar.Hummadi@cdph.ca.gov>; Kiang, David@CDPH <David.Kiang@cdph.ca.gov>; Mattioli, Mia Catharine (CDC/NCEZID/DFWED/WDPB) <kuk9@cdc.gov>; Parker, Thomas <TParker@buttecounty.net>
Cc: Roundtree, Alexis V. (CDC/NCEZID/DFWED/WDPB) (CTR) <hzi5@cdc.gov>; Kunz, Jasen M. (CDC/NCEZID/DFWED/WDPB) <izk0@cdc.gov>; Strockbine, Nancy (CDC/NCEZID/DFWED/EDLB) <nas6@cdc.gov>; Stainken, Cameron@CDPH <Cameron.Stainken@cdph.ca.gov>
Subject: RE: Consultation re: STEC O157 cases exposed to natural recreational water in Butte County, CA

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Wow- BIG thank you to the CDC team for the support and the quick laboratory testing!

Quick update on CDPH end- the first 4 isolates sequenced have been given PulseNet cluster code [REDACTED] (no other isolates included in that cluster). Only 1 of the isolates ([REDACTED]) has shown up in NCBI so far and I've been in communication with PulseNet and our lab to sort out some submission/NCBI upload issues.

Kat

Katherine Lamba, MPH (she/her)
California Department of Public Health
Phone: 510-620-3429 | Email: Katherine.Lamba@cdph.ca.gov

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From: Kahler, Amy (CDC/NCEZID/DFWED/WDPB) <ete1@cdc.gov>
Sent: Tuesday, July 29, 2025 12:16 PM
To: McKeel, Haley (CDC/NCEZID/DFWED/EDLB) <hvw0@cdc.gov>; Wais, Ashley <AWais@buttecounty.net>; Bond, Christian R@CDPH <Christian.Bond@cdph.ca.gov>; Hummadi, Omar@CDPH <Omar.Hummadi@cdph.ca.gov>; Kiang, David@CDPH <David.Kiang@cdph.ca.gov>; Mattioli, Mia Catharine (CDC/NCEZID/DFWED/WDPB) <kuk9@cdc.gov>; Lamba, Katherine@CDPH <Katherine.Lamba@cdph.ca.gov>; Parker, Thomas <TParker@buttecounty.net>
Cc: Roundtree, Alexis V. (CDC/NCEZID/DFWED/WDPB) (CTR) <hzi5@cdc.gov>; Kunz, Jasen M. (CDC/NCEZID/DFWED/WDPB) <izk0@cdc.gov>; Strockbine, Nancy (CDC/NCEZID/DFWED/EDLB) <nas6@cdc.gov>; Stainken, Cameron@CDPH <Cameron.Stainken@cdph.ca.gov>
Subject: RE: Consultation re: STEC O157 cases exposed to natural recreational water in Butte County, CA

Hi all,

We wanted to provide a few updates on the progress of environmental testing at CDC. Samples arrived in great condition on Friday and we started processing ASAP. We have detected presumptive-positive O157 isolates that are stx1-negative and stx2-positive from the following sites/samples:

- Sycamore pool water and sediment collected 7/24. There are signs that the sediment collected on 7/17 may also be positive, but our work on those isolates is still pending.
- CCNC water and sediment samples.
- 5 Mile water and sediment samples.

No O157 was detected from the Horeshoe Lake and Aligator Hole sites. We have handed off the presumptive-positive isolates to the Enteric Disease Laboratory Branch for complete workup and confirmation of these preliminary results. We'll also be conducting microbial source tracking PCR for human, ruminant, and bird markers and will follow up with those results as soon as we have them.

Thanks all,
Amy

From: McKeel, Haley (CDC/NCEZID/DFWED/EDLB) <hvw0@cdc.gov>

Sent: Friday, July 25, 2025 9:47 PM

To: Wais, Ashley <AWais@buttecounty.net>; 'Bond, Christian R@CDPH' <Christian.Bond@cdph.ca.gov>; Hummadi, Omar@CDPH <Omar.Hummadi@cdph.ca.gov>; Kiang, David@CDPH <David.Kiang@cdph.ca.gov>; Mattioli, Mia Catharine (CDC/NCEZID/DFWED/WDPB) <kuk9@cdc.gov>; Lamba, Katherine@CDPH <Katherine.Lamba@cdph.ca.gov>; Parker, Thomas <TParker@buttecounty.net>

Cc: Kahler, Amy (CDC/NCEZID/DFWED/WDPB) <ete1@cdc.gov>; Roundtree, Alexis V. (CDC/NCEZID/DFWED/WDPB) (CTR) <hjz5@cdc.gov>; Kunz, Jasen M. (CDC/NCEZID/DFWED/WDPB) <izk0@cdc.gov>; Strockbine, Nancy (CDC/NCEZID/DFWED/EDLB) <nas6@cdc.gov>; Stainken, Cameron (CDC cdph.ca.gov) <cameron.stainken@cdph.ca.gov>

Subject: RE: Consultation re: STEC O157 cases exposed to natural recreational water in Butte County, CA

Hi Ashley,

Thank you for the update and apologies for the delay in responding as I was out of the office today. The Enteric Diseases Laboratory Branch at CDC has capacity to test the geese scat samples; although, the total number may depend on available resources.

The specimens can be shipped to CDC under test order [CDC-10106 | Enteric Isolation - Primary Specimen - Non-CLIA](#) at the following address:

Attn: Haley McKeel
Centers for Disease Control and Prevention
RDSB/STATT Unit 129
1600 Clifton Road, NE
Atlanta, GA 30329
404-639-1612

As a note, all samples must be shipped in accordance with all applicable local, state, and federal regulations. Please ship for next day arrival and include ice packs in the shipment to keep the specimens cool during transit. The CDC website has some additional information regarding packing and shipping specimens: [CDC Fact Sheet](#).

I've attached a copy of our global file accessioning template that will need to be returned by email ahead of the shipment's arrival at CDC. I've prepopulated several of the fields as well as hidden many of the columns to hopefully make it easier to complete. Please populate any relevant columns (including a unique specimen ID (Column BE) for each sample collected) on the Animal tab as well as the Submitter tab with the Butte County information. Any information about the collection sites that are unique between samples would be helpful to note either in the Comments field (column FC) or in the orange Field Collection section.

Please let me know if you have any questions. I'll be back in the office on Tuesday but will be monitoring emails periodically until then as well.

Sincerely,
Haley



Haley McKeel
Microbiologist

Centers for Disease Control and Prevention (CDC)
Department of Health and Human Services (HHS)
404-639-1612 (office)

From: Wais, Ashley <AWais@buttecounty.net>

Sent: Friday, July 25, 2025 2:31 PM

To: 'Bond, Christian R@CDPH' <Christian.Bond@cdph.ca.gov>; Hummadi, Omar@CDPH <Omar.Hummadi@cdph.ca.gov>; Kiang, David@CDPH <David.Kiang@cdph.ca.gov>; Mattioli, Mia Catharine (CDC/NCEZID/DFWED/WDPB) <kuk9@cdc.gov>; Lamba, Katherine@CDPH <Katherine.Lamba@cdph.ca.gov>; Parker, Thomas <TParker@buttecounty.net>; McKeel, Haley (CDC/NCEZID/DFWED/EDLB) <hvw0@cdc.gov>

Cc: Kahler, Amy (CDC/NCEZID/DFWED/WDPB) <ete1@cdc.gov>; Roundtree, Alexis V. (CDC/NCEZID/DFWED/WDPB) (CTR) <hzy5@cdc.gov>; Kunz, Jasen M. (CDC/NCEZID/DFWED/WDPB) <izk0@cdc.gov>; Stainken, Cameron (CDC cdph.ca.gov) <cameron.stainken@cdph.ca.gov>

Subject: RE: Consultation re: STEC O157 cases exposed to natural recreational water in Butte County, CA

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Hi all-

I spoke with Christian over the phone to discuss the goose scat sample testing. During our discussion, it was decided that it would be best to send the samples over to the CDC lab due to staffing issues at the CDPH lab. I also spoke with Mia and it seems like the CDC lab does have capacity to test those samples. We collected a total of 9 goose scat samples in Cary Blair Transport Medium.

CDC: Please share what location these samples should be shipped to and any other pertinent details (I am assuming these should be shipped with ice packs?). We were not planning on shipping until Monday.

Thank you all for your support with this endeavor. It is greatly appreciated.

Kindly,

Ashley Wais, MPH, CIC®

Epidemiologist

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From: Bond, Christian R@CDPH <Christian.Bond@cdph.ca.gov>

Sent: Friday, July 25, 2025 10:57 AM

To: Wais, Ashley <AWais@buttecounty.net>; Hummadi, Omar@CDPH <Omar.Hummadi@cdph.ca.gov>; Kiang, David@CDPH <David.Kiang@cdph.ca.gov>; Mattioli, Mia Catharine (CDC/NCEZID/DFWED/WDPB) <kuk9@cdc.gov>; Lamba, Katherine@CDPH <Katherine.Lamba@cdph.ca.gov>; Parker, Thomas <TParker@buttecounty.net>; McKeel, Haley (CDC/NCEZID/DFWED/EDLB) <hvw0@cdc.gov>

Cc: Kahler, Amy (CDC/NCEZID/DFWED/WDPB) <ete1@cdc.gov>; Roundtree, Alexis V. (CDC/NCEZID/DFWED/WDPB) (CTR) <hzi5@cdc.gov>; Kunz, Jasen M. (CDC/NCEZID/DFWED/WDPB) <izk0@cdc.gov>; Stainken, Cameron@CDPH <Cameron.Stainken@cdph.ca.gov>

Subject: RE: Consultation re: STEC O157 cases exposed to natural recreational water in Butte County, CA

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Hi Ashley,

My team is extremely short-staffed next week due to other assignments, and we will not have personnel to receive samples on either Tuesday or Wednesday. Would it be possible to send a team member to handoff the samples to my team at a midpoint on Monday morning? Maybe somewhere in Yuba City or Marysville?

Christian Bond
Chief, Emergency Response Unit
California Department of Public Health
(916) 612-3625

Confidential - Low

From: Wais, Ashley <AWais@buttecounty.net>

Sent: Friday, July 25, 2025 10:48 AM

To: Hummadi, Omar@CDPH <Omar.Hummadi@cdph.ca.gov>; Kiang, David@CDPH <David.Kiang@cdph.ca.gov>; Mattioli, Mia Catharine (CDC/NCEZID/DFWED/WDPB) <kuk9@cdc.gov>; Lamba, Katherine@CDPH <Katherine.Lamba@cdph.ca.gov>; Parker, Thomas <TParker@buttecounty.net>; McKeel, Haley (CDC/NCEZID/DFWED/EDLB) <hvw0@cdc.gov>

Cc: Kahler, Amy (CDC/NCEZID/DFWED/WDPB) <ete1@cdc.gov>; Roundtree, Alexis V. (CDC/NCEZID/DFWED/WDPB) (CTR) <hzi5@cdc.gov>; Kunz, Jasen M. (CDC/NCEZID/DFWED/WDPB) <izk0@cdc.gov>; Stainken, Cameron@CDPH <Cameron.Stainken@cdph.ca.gov>; Bond, Christian R@CDPH <Christian.Bond@cdph.ca.gov>

Subject: Re: Consultation re: STEC O157 cases exposed to natural recreational water in Butte County, CA

You don't often get email from awais@buttecounty.net. [Learn why this is important](#)

Hi Omar,

Thank you for the update. We do not plan to ship until Monday. I will let our lab know we are waiting for more details from CDPH regarding shipping method.

Thank you,

Ashley Wais, MPH, CIC®

Epidemiologist

[BUTTE COUNTY PUBLIC HEALTH](#)

[202 Mira Loma Drive | Oroville, CA 95965](#)

T: [530-552-3950](tel:530-552-3950) | M: [530-300-4166](tel:530-300-4166)

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From: Hummadi, Omar@CDPH <Omar.Hummadi@cdph.ca.gov>

Sent: Friday, July 25, 2025 10:26 AM

To: Wais, Ashley <AWais@buttecounty.net>; Kiang, David@CDPH <David.Kiang@cdph.ca.gov>; Mattioli, Mia Catharine (CDC/NCEZID/DFWED/WDPB) <kuk9@cdc.gov>; Lamba, Katherine@CDPH <Katherine.Lamba@cdph.ca.gov>; Parker, Thomas <TParker@buttecounty.net>; McKeel, Haley (CDC/NCEZID/DFWED/EDLB) <hvw0@cdc.gov>

Cc: Kahler, Amy (CDC/NCEZID/DFWED/WDPB) <ete1@cdc.gov>; Roundtree, Alexis V. (CDC/NCEZID/DFWED/WDPB) (CTR) <hzi5@cdc.gov>; Kunz, Jasen M. (CDC/NCEZID/DFWED/WDPB) <izk0@cdc.gov>; Stainken, Cameron@CDPH <Cameron.Stainken@cdph.ca.gov>; Bond, Christian R@CDPH <Christian.Bond@cdph.ca.gov>

Subject: RE: Consultation re: STEC O157 cases exposed to natural recreational water in Butte County, CA

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Hi Ashley,

You are welcome! Please hold off on shipping the samples until I get a confirmation from Christian bond regarding the sample's delivery method.

Yes, ship the samples with ice packs and Butte County PHL chain of custody forms it's perfectly fine 👍

Regards,

Omar Hummadi

Senior Environmental Scientist Specialist

CDPH - FDB - ERU

Confidential - Low

From: Wais, Ashley <AWais@buttecounty.net>

Sent: Friday, July 25, 2025 10:05 AM

To: Hummadi, Omar@CDPH <Omar.Hummadi@cdph.ca.gov>; Kiang, David@CDPH <David.Kiang@cdph.ca.gov>; Mattioli, Mia Catharine (CDC/NCEZID/DFWED/WDPB) <kuk9@cdc.gov>; Lamba, Katherine@CDPH <Katherine.Lamba@cdph.ca.gov>; Parker, Thomas <TParker@buttecounty.net>; McKeel, Haley (CDC/NCEZID/DFWED/EDLB) <hvw0@cdc.gov>

Cc: Kahler, Amy (CDC/NCEZID/DFWED/WDPB) <ete1@cdc.gov>; Roundtree, Alexis V. (CDC/NCEZID/DFWED/WDPB) (CTR) <hjz5@cdc.gov>; Kunz, Jasen M. (CDC/NCEZID/DFWED/WDPB) <izk0@cdc.gov>; Stainken, Cameron@CDPH <Cameron.Stainken@cdph.ca.gov>; Bond, Christian R@CDPH <Christian.Bond@cdph.ca.gov>

Subject: RE: Consultation re: STEC O157 cases exposed to natural recreational water in Butte County, CA

Hi Omar,

Thank you for the update. Should the shipment be on ice packs? Is there any other details we should be aware of? Butte County PHL has their own chain of custody forms. Is it ok to use those?

Thank you,

Ashley Wais, MPH, CIC®

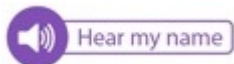
Epidemiologist

[BUTTE COUNTY PUBLIC HEALTH](#)

[202 Mira Loma Drive | Oroville, CA 95965](#)

T: [530-552-3950](tel:530-552-3950) | M: [530-300-4166](tel:530-300-4166)

<https://www.buttecounty.net/610/Public-Health>



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From: Hummadi, Omar@CDPH <Omar.Hummadi@cdph.ca.gov>

Sent: Friday, July 25, 2025 7:27 AM

To: Wais, Ashley <AWais@buttecounty.net>; Kiang, David@CDPH <David.Kiang@cdph.ca.gov>; Mattioli, Mia Catharine (CDC/NCEZID/DFWED/WDPB) <kuk9@cdc.gov>; Lamba, Katherine@CDPH <Katherine.Lamba@cdph.ca.gov>; Parker, Thomas <TParker@buttecounty.net>; McKeel, Haley (CDC/NCEZID/DFWED/EDLB) <hvw0@cdc.gov>

Cc: Kahler, Amy (CDC/NCEZID/DFWED/WDPB) <ete1@cdc.gov>; Roundtree, Alexis V. (CDC/NCEZID/DFWED/WDPB) (CTR) <hjz5@cdc.gov>; Kunz, Jasen M. (CDC/NCEZID/DFWED/WDPB) <izk0@cdc.gov>; Stainken, Cameron@CDPH <Cameron.Stainken@cdph.ca.gov>; Bond, Christian R@CDPH <Christian.Bond@cdph.ca.gov>

Subject: RE: Consultation re: STEC O157 cases exposed to natural recreational water in Butte County, CA

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Good morning, everyone!

Ashley - Ship the samples to Christian Bond at:

California Department of Public Health
Food and Drug Branch
1500 Capitol Ave MS 7602
Sacramento, CA, 95814

Note: Please make sure to include all the chain of custody forms/documents.

Happy Friday!

Regards,

Omar Hummadi
Senior Environmental Scientist
Foodborne Illness Outbreak Specialist
Desk Phone: 916-319-9661
Cell phone: 916-591-1374
Fax number: 916-636-6013
E-mail: Omar.Hummadi@cdph.ca.gov

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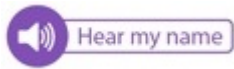
From: Wais, Ashley <AWais@buttecounty.net>
Sent: Friday, July 25, 2025 7:04 AM
To: Kiang, David@CDPH <David.Kiang@cdph.ca.gov>; Mattioli, Mia Catharine (CDC/NCEZID/DFWED/WDPB) <kuk9@cdc.gov>; Lamba, Katherine@CDPH <Katherine.Lamba@cdph.ca.gov>; Parker, Thomas <TParker@buttecounty.net>; McKeel, Haley (CDC/NCEZID/DFWED/EDLB) <hvw0@cdc.gov>; Hummadi, Omar@CDPH <Omar.Hummadi@cdph.ca.gov>
Cc: Kahler, Amy (CDC/NCEZID/DFWED/WDPB) <ete1@cdc.gov>; Roundtree, Alexis V. (CDC/NCEZID/DFWED/WDPB) (CTR) <hzi5@cdc.gov>; Kunz, Jasen M. (CDC/NCEZID/DFWED/WDPB) <izk0@cdc.gov>; Stainken, Cameron@CDPH <Cameron.Stainken@cdph.ca.gov>; Bond, Christian R@CDPH <Christian.Bond@cdph.ca.gov>
Subject: Re: Consultation re: STEC O157 cases exposed to natural recreational water in Butte County, CA

Hi Dr. Kiang,

Thank you for this update. We collected goose scat in the tubes with Cary Blair. We should have no more than 10 samples. What is the process for sending to CDPH? Do you usually receive shipments from our Butte County PHL. I just wanted to check in case there is already a process in place we can use.

Thank you,

Ashley Wais, MPH, CIC®
Epidemiologist
[BUTTE COUNTY PUBLIC HEALTH](#)
[202 Mira Loma Drive | Oroville, CA 95965](#)
T: [530-552-3950](tel:530-552-3950) | M: [530-300-4166](tel:530-300-4166)



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From: Kiang, David@CDPH <David.Kiang@cdph.ca.gov>

Sent: Thursday, July 24, 2025 5:40 PM

To: Mattioli, Mia Catharine (CDC/NCEZID/DFWED/WDPB) <kuk9@cdc.gov>; Lamba, Katherine@CDPH <Katherine.Lamba@cdph.ca.gov>; Wais, Ashley <AWais@buttecounty.net>; Parker, Thomas <TParker@buttecounty.net>; McKeel, Haley (CDC/NCEZID/DFWED/EDLB) <hvw0@cdc.gov>; Hummadi, Omar@CDPH <Omar.Hummadi@cdph.ca.gov>

Cc: Kahler, Amy (CDC/NCEZID/DFWED/WDPB) <ete1@cdc.gov>; Roundtree, Alexis V. (CDC/NCEZID/DFWED/WDPB) (CTR) <hzi5@cdc.gov>; Kunz, Jasen M. (CDC/NCEZID/DFWED/WDPB) <izk0@cdc.gov>; Stainken, Cameron@CDPH <Cameron.Stainken@cdph.ca.gov>; Bond, Christian R@CDPH <Christian.Bond@cdph.ca.gov>; Kiang, David@CDPH <David.Kiang@cdph.ca.gov>

Subject: RE: Consultation re: STEC O157 cases exposed to natural recreational water in Butte County, CA

ATTENTION: This message originated from outside **Butte County**. Please exercise judgment before opening attachments, clicking on links, or replying.

Hi Mia,

If they don't have bags, the preference is to collect them as is in the 50 ml conicals. If they're already collected in Cary Blair, It's fine, we can still take them.

Thanks,
David

Confidential - Low

From: Mattioli, Mia Catharine (CDC/NCEZID/DFWED/WDPB) <kuk9@cdc.gov>

Sent: Thursday, July 24, 2025 12:35 PM

To: Kiang, David@CDPH <David.Kiang@cdph.ca.gov>; Lamba, Katherine@CDPH <Katherine.Lamba@cdph.ca.gov>; Wais, Ashley <AWais@buttecounty.net>; Parker, Thomas <TParker@buttecounty.net>; McKeel, Haley (CDC/NCEZID/DFWED/EDLB) <hvw0@cdc.gov>; Hummadi, Omar@CDPH <Omar.Hummadi@cdph.ca.gov>

Cc: Kahler, Amy (CDC/NCEZID/DFWED/WDPB) <ete1@cdc.gov>; Roundtree, Alexis V. (CDC/NCEZID/DFWED/WDPB) (CTR) <hzi5@cdc.gov>; Kunz, Jasen M. (CDC/NCEZID/DFWED/WDPB) <izk0@cdc.gov>; Stainken, Cameron@CDPH <Cameron.Stainken@cdph.ca.gov>; Bond, Christian R@CDPH <Christian.Bond@cdph.ca.gov>; Kiang, David@CDPH <David.Kiang@cdph.ca.gov>

Subject: Re: Consultation re: STEC O157 cases exposed to natural recreational water in Butte County, CA

Hi David,

Thanks so much. Unfortunately, the team doesn't have the bags and snips with them in the field. Will you accept them in Cary Blair? If not, they can send the CDC enterics lab.

Thanks!

Mia

Mia Catharine Mattioli
Environmental Engineer
Centers for Disease Control and Prevention (CDC)
Department of Health and Human Services (HHS)
Office: 404-718-5643

From: Kiang, David@CDPH <David.Kiang@cdph.ca.gov>

Sent: Thursday, July 24, 2025 2:51:14 PM

To: Lamba, Katherine@CDPH <Katherine.Lamba@cdph.ca.gov>; Mattioli, Mia Catharine (CDC/NCEZID/DFWED/WDPB) <kuk9@cdc.gov>; Wais, Ashley <AWais@buttecounty.net>; Parker, Thomas <TParker@buttecounty.net>; McKeel, Haley (CDC/NCEZID/DFWED/EDLB) <hvw0@cdc.gov>; Hummadi, Omar@CDPH <Omar.Hummadi@cdph.ca.gov>

Cc: Kahler, Amy (CDC/NCEZID/DFWED/WDPB) <ete1@cdc.gov>; Roundtree, Alexis V. (CDC/NCEZID/DFWED/WDPB) (CTR) <hjz5@cdc.gov>; Kunz, Jasen M. (CDC/NCEZID/DFWED/WDPB) <izk0@cdc.gov>; Stainken, Cameron (CDC cdph.ca.gov) <cameron.stainken@cdph.ca.gov>; Bond, Christian R@CDPH <Christian.Bond@cdph.ca.gov>; Kiang, David@CDPH <David.Kiang@cdph.ca.gov>

Subject: RE: Consultation re: STEC O157 cases exposed to natural recreational water in Butte County, CA

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Hi Kat,

We'd recommend collecting the scat directly into the Whirl-Pak bags using sterile scoops or spatulas as outlined by Omar in the email below and transporting to the FDB on ice packs. We prefer not to have them transported in Cary Blair.

Thanks,
David

David Kiang, PH.D.
Microbiology Section Chief
Food and Drug Laboratory Branch
California Department of Public Health
850 Marina Bay Parkway, G365
Richmond, CA 94804
(510) 412-3963
david.kiang@cdph.ca.gov



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From: Lamba, Katherine@CDPH <Katherine.Lamba@cdph.ca.gov>
Sent: Thursday, July 24, 2025 11:38 AM
To: Mattioli, Mia Catharine (CDC/NCEZID/DFWED/WDPB) <kuk9@cdc.gov>; Wais, Ashley <AWais@buttecounty.net>; Parker, Thomas <TParker@buttecounty.net>; McKeel, Haley (CDC/NCEZID/DFWED/EDLB) <hvw0@cdc.gov>; Hummadi, Omar@CDPH <Omar.Hummadi@cdph.ca.gov>; Kiang, David@CDPH <David.Kiang@cdph.ca.gov>
Cc: Kahler, Amy (CDC/NCEZID/DFWED/WDPB) <ete1@cdc.gov>; Roundtree, Alexis V. (CDC/NCEZID/DFWED/WDPB) (CTR) <hzy5@cdc.gov>; Kunz, Jasen M. (CDC/NCEZID/DFWED/WDPB) <izk0@cdc.gov>; Stainken, Cameron@CDPH <Cameron.Stainken@cdph.ca.gov>; Bond, Christian R@CDPH <Christian.Bond@cdph.ca.gov>
Subject: RE: Consultation re: STEC O157 cases exposed to natural recreational water in Butte County, CA

Hi Mia,

We have some folks out of the office today, so including @Hummadi, Omar@CDPH and @Kiang, David (CDPH-PS-DFDRS-FDLB) from Food and Drug and Food and Drug lab directly to advise which of the containers below for goose scat testing.

Kat

Katherine Lamba, MPH (she/her)
California Department of Public Health
Phone: 510-620-3429 | Email: Katherine.Lamba@cdph.ca.gov

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From: Mattioli, Mia Catharine (CDC/NCEZID/DFWED/WDPB) <kuk9@cdc.gov>
Sent: Thursday, July 24, 2025 11:30 AM
To: Lamba, Katherine@CDPH <Katherine.Lamba@cdph.ca.gov>; Wais, Ashley <AWais@buttecounty.net>; Parker, Thomas <TParker@buttecounty.net>; McKeel, Haley (CDC/NCEZID/DFWED/EDLB) <hvw0@cdc.gov>
Cc: Kahler, Amy (CDC/NCEZID/DFWED/WDPB) <ete1@cdc.gov>; Roundtree, Alexis V. (CDC/NCEZID/DFWED/WDPB)

(CTR) <hzi5@cdc.gov>; Kunz, Jasen M. (CDC/NCEZID/DFWED/WDPB) <izk0@cdc.gov>; Stainken, Cameron@CDPH <Cameron.Stainken@cdph.ca.gov>; Bond, Christian R@CDPH <Christian.Bond@cdph.ca.gov>

Subject: RE: Consultation re: STEC O157 cases exposed to natural recreational water in Butte County, CA

Hi Ashley,

Thanks so much for sending this info! Ashley is out into the field with two 50-ml falcon tubes (empty) and ten 30-ml tubes filled with 15-ml of Cary Blair since that's what the CDC enterics lab recommended.

Which would you prefer she collect samples in for the scat testing?

Thanks!

Mia

Mia Catharine Mattioli
Environmental Engineer
Centers for Disease Control and Prevention (CDC)
Department of Health and Human Services (HHS)
Office: (404) 718-5643

From: Lamba, Katherine@CDPH <Katherine.Lamba@cdph.ca.gov>

Sent: Thursday, July 24, 2025 1:09 PM

To: Wais, Ashley <AWais@buttecounty.net>; Mattioli, Mia Catharine (CDC/NCEZID/DFWED/WDPB) <kuk9@cdc.gov>; Parker, Thomas <TParker@buttecounty.net>; McKeel, Haley (CDC/NCEZID/DFWED/EDLB) <hvw0@cdc.gov>

Cc: Kahler, Amy (CDC/NCEZID/DFWED/WDPB) <ete1@cdc.gov>; Roundtree, Alexis V. (CDC/NCEZID/DFWED/WDPB) (CTR) <hzi5@cdc.gov>; Kunz, Jasen M. (CDC/NCEZID/DFWED/WDPB) <izk0@cdc.gov>; Stainken, Cameron (CDC cdph.ca.gov) <cameron.stainken@cdph.ca.gov>; Bond, Christian R@CDPH <Christian.Bond@cdph.ca.gov>

Subject: RE: Consultation re: STEC O157 cases exposed to natural recreational water in Butte County, CA

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Hi Ashley,

Apologies for the delay. Sharing a few updates after gathering some additional information from our EH and lab folks:

- Goose feces samples can be tested by the CDPH Food and Drug Laboratory Branch. At this time they have capacity to test 10-20 goose feces samples
- Supplies needed for collection:
 - Sterile disposable spatulas or scoop.
 - Sterile 24 oz or 55 oz Whirl-Pak Bags.
 - Gloves.
- Ship the samples along with sealed controls of all the collection supplies that were used, with ice packs (optional) to the below address. The samples will be shipped to the CDPH Food and Drug Branch for logging before forwarded to the laboratory.
- Shipping: Please ship the samples to Christian Bond at:
California Department of Public Health
Food and Drug Branch

1500 Capitol Ave MS 7602
Sacramento, CA, 95814

Please let me know if you have additional questions for our EH/lab team at this time.

Thanks,
Kat

Katherine Lamba, MPH (she/her)
California Department of Public Health
Phone: 510-620-3429 | Email: Katherine.Lamba@cdph.ca.gov

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From: Wais, Ashley <AWais@buttecounty.net>
Sent: Wednesday, July 23, 2025 9:27 AM
To: Lamba, Katherine@CDPH <Katherine.Lamba@cdph.ca.gov>; Mattioli, Mia Catharine (CDC/NCEZID/DFWED/WDPB) <kuk9@cdc.gov>; Parker, Thomas <TParker@buttecounty.net>; McKeel, Haley (CDC/NCEZID/DFWED/EDLB) <hvw0@cdc.gov>
Cc: Kahler, Amy (CDC/NCEZID/DFWED/WDPB) <ete1@cdc.gov>; Roundtree, Alexis V. (CDC/NCEZID/DFWED/WDPB) (CTR) <hzi5@cdc.gov>; Kunz, Jasen M. (CDC/NCEZID/DFWED/WDPB) <izk0@cdc.gov>
Subject: RE: Consultation re: STEC O157 cases exposed to natural recreational water in Butte County, CA

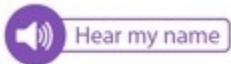
Hi Kat,

Thank you for this update.

If we could have a list of the supplies that would be needed to collect the samples, I can check with our lab to see if we have them.

Thank you,

Ashley Wais, MPH, CIC®
Epidemiologist
[BUTTE COUNTY PUBLIC HEALTH](#)
[202 Mira Loma Drive | Oroville, CA 95965](#)
T: [530-552-3950](tel:530-552-3950) | M: [530-300-4166](tel:530-300-4166)
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From: Lamba, Katherine@CDPH <Katherine.Lamba@cdph.ca.gov>
Sent: Wednesday, July 23, 2025 9:13 AM
To: Mattioli, Mia Catharine (CDC/NCEZID/DFWED/WDPB) <kuk9@cdc.gov>; Wais, Ashley <AWais@buttecounty.net>; Parker, Thomas <TParker@buttecounty.net>; McKeel, Haley (CDC/NCEZID/DFWED/EDLB) <hvw0@cdc.gov>
Cc: Kahler, Amy (CDC/NCEZID/DFWED/WDPB) <ete1@cdc.gov>; Roundtree, Alexis V. (CDC/NCEZID/DFWED/WDPB) (CTR) <hzy5@cdc.gov>; Kunz, Jasen M. (CDC/NCEZID/DFWED/WDPB) <izk0@cdc.gov>
Subject: RE: Consultation re: STEC O157 cases exposed to natural recreational water in Butte County, CA

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Hi all,

We have capacity at one of our labs for the goose scat testing at CDPH (Food and Drug lab)- I will check with a 2nd (MDL) as well and loop in the appropriate folks regarding # of samples they have capacity to test at this time.

@Wais, Ashley and team, will you need collection supplies? Will get back to you soon with additional information.

Kat

Katherine Lamba, MPH (she/her)
California Department of Public Health
Phone: 510-620-3429 | Email: Katherine.Lamba@cdph.ca.gov

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From: Mattioli, Mia Catharine (CDC/NCEZID/DFWED/WDPB) <kuk9@cdc.gov>
Sent: Wednesday, July 23, 2025 7:49 AM
To: Wais, Ashley <AWais@buttecounty.net>; Parker, Thomas <TParker@buttecounty.net>; McKeel, Haley (CDC/NCEZID/DFWED/EDLB) <hvw0@cdc.gov>; Lamba, Katherine@CDPH <Katherine.Lamba@cdph.ca.gov>
Cc: Kahler, Amy (CDC/NCEZID/DFWED/WDPB) <ete1@cdc.gov>; Roundtree, Alexis V. (CDC/NCEZID/DFWED/WDPB) (CTR) <hzy5@cdc.gov>; Kunz, Jasen M. (CDC/NCEZID/DFWED/WDPB) <izk0@cdc.gov>
Subject: RE: Consultation re: STEC O157 cases exposed to natural recreational water in Butte County, CA

Hi Ashley,

Thanks so much for bringing this up! Unfortunately, our lab can't do the animal fecal the testing, but I thought on the call CDPH lab said they could do the fecal testing similar to Lake Wildwood. @Lamba, Katherine@CDPH, would you be able to check with your lab about the animal fecal testing?

If CDPH is unavailable, CDC enterics may be able to support, but I believe they have limited capacity and need samples collected in transport media (Cary Blair). @McKeel, Haley (CDC/NCEZID/DFWED/EDLB) is that correct?

For scat sampling supplies, we only sent the new plastic tarp I mentioned that is helpful for goose scat if you see a flock when sampling. You can bring crackers to lure them to the tarp, but it can be tricky as you would imagine.

Let me know if helpful to discuss further!

Mia

Mia Catharine Mattioli

Environmental Engineer
Centers for Disease Control and Prevention (CDC)
Department of Health and Human Services (HHS)
Office: (404) 718-5643

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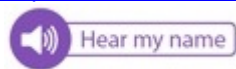
From: Wais, Ashley <AWais@buttecounty.net>
Sent: Tuesday, July 22, 2025 6:57 PM
To: Parker, Thomas <TParker@buttecounty.net>; Mattioli, Mia Catharine (CDC/NCEZID/DFWED/WDPB) <kuk9@cdc.gov>
Cc: Kahler, Amy (CDC/NCEZID/DFWED/WDPB) <ete1@cdc.gov>; Roundtree, Alexis V. (CDC/NCEZID/DFWED/WDPB) (CTR) <hzi5@cdc.gov>; McKeel, Haley (CDC/NCEZID/DFWED/EDLB) <hvw0@cdc.gov>; Lamba, Katherine@CDPH <Katherine.Lamba@cdph.ca.gov>; Kunz, Jasen M. (CDC/NCEZID/DFWED/WDPB) <izk0@cdc.gov>
Subject: RE: Consultation re: STEC O157 cases exposed to natural recreational water in Butte County, CA

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Hi Mia,

Thank you for this insight. Do you have any guidance/recommendations on how to collect animal feces samples (most likely from geese, possibly cattle)? If we are successful in collecting these samples, are we able to include them in the main shipment?

Thank you,
Ashley Wais, MPH, CIC®
Epidemiologist
[BUTTE COUNTY PUBLIC HEALTH](#)
[202 Mira Loma Drive | Oroville, CA 95965](#)
T: [530-552-3950](tel:530-552-3950) | M: [530-300-4166](tel:530-300-4166)
<https://www.buttecounty.net/610/Public-Health>



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From: Parker, Thomas <TParker@buttecounty.net>
Sent: Tuesday, July 22, 2025 2:55 PM
To: 'Mattioli, Mia Catharine (CDC/NCEZID/DFWED/WDPB)' <kuk9@cdc.gov>
Cc: Kahler, Amy (CDC/NCEZID/DFWED/WDPB) <ete1@cdc.gov>; Roundtree, Alexis V. (CDC/NCEZID/DFWED/WDPB) (CTR) <hzi5@cdc.gov>; McKeel, Haley (CDC/NCEZID/DFWED/EDLB) <hvw0@cdc.gov>; Lamba, Katherine@CDPH

<Katherine.Lamba@cdph.ca.gov>; Wais, Ashley <AWais@buttecounty.net>; Kunz, Jasen M.
(CDC/NCEZID/DFWED/WDPB) <izk0@cdc.gov>

Subject: RE: Consultation re: STEC O157 cases exposed to natural recreational water in Butte County, CA

Thank you for all of the information!

Thomas Parker

Program Manager, Hazardous Materials
[BUTTE COUNTY PUBLIC HEALTH](#)
[202 Mira Loma Drive | Oroville, CA 95965](#)
T: 530.552.3870 | D: [530.552.3870](tel:530.552.3870)

**Environmental Health Fees are being amended to include an ECI increase. The fees go into effect 01/01/2024..*

Please refer to our website for online payment and document submittal: [Environmental Health | Butte County, CA](#)

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From: Mattioli, Mia Catharine (CDC/NCEZID/DFWED/WDPB) <kuk9@cdc.gov>

Sent: Tuesday, July 22, 2025 2:43 PM

To: Parker, Thomas <TParker@buttecounty.net>

Cc: Kahler, Amy (CDC/NCEZID/DFWED/WDPB) <ete1@cdc.gov>; Roundtree, Alexis V. (CDC/NCEZID/DFWED/WDPB) (CTR) <hjz5@cdc.gov>; McKeel, Haley (CDC/NCEZID/DFWED/EDLB) <hvw0@cdc.gov>; Lamba, Katherine@CDPH <Katherine.Lamba@cdph.ca.gov>; Wais, Ashley <AWais@buttecounty.net>; Kunz, Jasen M. (CDC/NCEZID/DFWED/WDPB) <izk0@cdc.gov>

Subject: RE: Consultation re: STEC O157 cases exposed to natural recreational water in Butte County, CA

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Sorry for all the emails! I also meant to note that the batteries for the pump have been fully charge so should be ready to go. The pH probe will need to be calibrated in the field due to the dependence on air temperature. However, we have provided the manual and 3 standard solutions with the probe.

Thanks again!

Mia

Mia Catharine Mattioli
Environmental Engineer
Centers for Disease Control and Prevention (CDC)
Department of Health and Human Services (HHS)
Office: (404) 718-5643

Highly Sensitive/Any User (No encryption)

From: Mattioli, Mia Catharine (CDC/NCEZID/DFWED/WDPB)
Sent: Tuesday, July 22, 2025 5:40 PM
To: Parker, Thomas <TParker@buttecounty.net>
Cc: Kahler, Amy (CDC/NCEZID/DFWED/WDPB) <ete1@cdc.gov>; Roundtree, Alexis V. (CDC/NCEZID/DFWED/WDPB) (CTR) <hzi5@cdc.gov>; McKeel, Haley (CDC/NCEZID/DFWED/EDLB) <hvw0@cdc.gov>; Lamba, Katherine@CDPH <Katherine.Lamba@cdph.ca.gov>; Wais, Ashley <AWais@buttecounty.net>; Kunz, Jasen M. (CDC/NCEZID/DFWED/WDPB) <izk0@cdc.gov>
Subject: RE: Consultation re: STEC O157 cases exposed to natural recreational water in Butte County, CA

Apologies for not highlighting this in the quick guide. Please start sampling further **downstream** and move upstream. This will ensure separate parcels of water are sampled at each site from the flowing source.

Thanks again!

Mia

Mia Catharine Mattioli
Environmental Engineer
Centers for Disease Control and Prevention (CDC)
Department of Health and Human Services (HHS)
Office: (404) 718-5643

From: Mattioli, Mia Catharine (CDC/NCEZID/DFWED/WDPB)
Sent: Tuesday, July 22, 2025 5:39 PM
To: Parker, Thomas <TParker@buttecounty.net>
Cc: Kahler, Amy (CDC/NCEZID/DFWED/WDPB) <ete1@cdc.gov>; Roundtree, Alexis V. (CDC/NCEZID/DFWED/WDPB) (CTR) <hzi5@cdc.gov>; McKeel, Haley (CDC/NCEZID/DFWED/EDLB) <hvw0@cdc.gov>; Lamba, Katherine@CDPH <Katherine.Lamba@cdph.ca.gov>; Wais, Ashley <AWais@buttecounty.net>; Kunz, Jasen M. (CDC/NCEZID/DFWED/WDPB) <izk0@cdc.gov>
Subject: RE: Consultation re: STEC O157 cases exposed to natural recreational water in Butte County, CA

Hi Thomas,

The sampling supplies have been shipping and should arrive tomorrow morning (FedEx tracking number **450145173848**).

I've attached a quick guide for sampling and shipping based on our discussion on sampling sites. The shipping information back to CDC is also pasted in this email below, and of note, please ship the samples on ice (not frozen) **first overnight via FedEx**. The ice packs we have provided could not be shipped frozen so please freeze before sampling or use alternative blue ice.

I have also attached our protocol for your reference and an electronic copy of our Chain of Custody form, though both are provided as print outs on a clipboard with the sampling supplies.

Let us know as soon as you can what day you plan to sample. This will help us to plan in the labs for testing. My cell number is [REDACTED] Don't hesitate to call if you have any questions at all.

Thanks!

Mia

Mia Catharine Mattioli
Environmental Engineer

From: Parker, Thomas <TParker@buttecounty.net>

Sent: Tuesday, July 22, 2025 2:46 PM

To: Mattioli, Mia Catharine (CDC/NCEZID/DFWED/WDPB) <kuk9@cdc.gov>; Kahler, Amy (CDC/NCEZID/DFWED/WDPB) <ete1@cdc.gov>

Subject: RE: Consultation re: STEC O157 cases exposed to natural recreational water in Butte County, CA

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No worries, Mia and thanks for the response. That really helps. Will you be sending us a meter for water quality parameters (pH, temp, ect.)? I've used one in the past so I can certainly do that if it is helpful.

Thanks,

Thomas Parker

Program Manager, Hazardous Materials

[BUTTE COUNTY PUBLIC HEALTH](#)

[202 Mira Loma Drive | Oroville, CA 95965](#)

T: 530.552.3870 | D: [530.552.3870](tel:530.552.3870)

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From: Mattioli, Mia Catharine (CDC/NCEZID/DFWED/WDPB) <kuk9@cdc.gov>

Sent: Tuesday, July 22, 2025 11:34 AM

To: Parker, Thomas <TParker@buttecounty.net>; Kahler, Amy (CDC/NCEZID/DFWED/WDPB) <ete1@cdc.gov>

Subject: RE: Consultation re: STEC O157 cases exposed to natural recreational water in Butte County, CA

ATTENTION: This message originated from outside Butte County. Please exercise judgment before opening attachments, clicking on links, or replying.

Hi Thomas,

Apologies for the delayed response! We were shipping the supplies to you this morning. I will share the FedEx tracking number ASAP.

For the sediment, yes. That is the correct procedure to collect. Nothing fancy!

We seal the bottles (especially the sediment ones) with parafilm (provided), and then we have a sterile zip-lock bag for you to put that sediment bottle into for secondary containment. We don't use custody seals since this is non-regulatory.

I will be sending you a quick guide list of sampling sites and measurements for each site. But I'd be happy to review with you when you are done. We sincerely appreciate your thoroughness!

Mia

Mia Catharine Mattioli
Environmental Engineer
Centers for Disease Control and Prevention (CDC)
Department of Health and Human Services (HHS)
Office: (404) 718-5643

From: Parker, Thomas <TParker@buttecounty.net>
Sent: Tuesday, July 22, 2025 11:51 AM
To: Kahler, Amy (CDC/NCEZID/DFWED/WDPB) <ete1@cdc.gov>
Cc: Mattioli, Mia Catharine (CDC/NCEZID/DFWED/WDPB) <kuk9@cdc.gov>
Subject: RE: Consultation re: STEC O157 cases exposed to natural recreational water in Butte County, CA

CAUTION: This email originated from outside of the organization. Do not click links or open attachments unless you recognize the sender and know the content is safe.

Hi Amy and Mia- I am finishing up my sampling plan this morning and had a few questions regarding the sediment sampling. My understanding from the phone call is that we will fill a 1 Liter bottle half full with the sediment, using a disposable scoop and drain off as much water as possible. Is this a poly bottle with a wide top or just a normal 1 liter bottle? Also, does the pack you sent contain custody seals as well? I can use tape if not. Also, after I complete my sampling plan, is there a chance one of you can do a quick review to make sure I am not missing anything or have something wrong in the process? I am trying to be as thorough as possible in case we have future sampling and I am not available.

Thanks,

Thomas Parker
Program Manager, Hazardous Materials
[BUTTE COUNTY PUBLIC HEALTH](#)
[202 Mira Loma Drive | Oroville, CA 95965](#)
T: 530.552.3870 | D: [530.552.3870](tel:530.552.3870)

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From: Kahler, Amy (CDC/NCEZID/DFWED/WDPB) <ete1@cdc.gov>
Sent: Monday, July 21, 2025 12:30 PM
To: Parker, Thomas <TParker@buttecounty.net>

Cc: Mattioli, Mia Catharine (CDC/NCEZID/DFWED/WDPB) <kuk9@cdc.gov>

Subject: RE: Consultation re: STEC O157 cases exposed to natural recreational water in Butte County, CA

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Hi Thomas,

We will send you two small-ish batteries to use. Both batteries will fit into the pump case and it will be heavy but portable. In a pinch you can also use the adapter that plugs into the cigarette lighter contraption in a car (I don't know what it's called any more). We'll send the cables for both options – although the battery option is the easiest.

Thanks,
Amy

From: Parker, Thomas <TParker@buttecounty.net>

Sent: Monday, July 21, 2025 3:24 PM

To: Kahler, Amy (CDC/NCEZID/DFWED/WDPB) <ete1@cdc.gov>

Cc: Mattioli, Mia Catharine (CDC/NCEZID/DFWED/WDPB) <kuk9@cdc.gov>

Subject: RE: Consultation re: STEC O157 cases exposed to natural recreational water in Butte County, CA

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Thank you Amy, that is great advice. Another question for you. The peristaltic pump requires a 12-volt battery for power. Would this be a car battery or is there another smaller battery that can be used. Getting a car battery to some of these locations may be difficult.

Thanks,

Thomas Parker

Program Manager, Hazardous Materials

[BUTTE COUNTY PUBLIC HEALTH](#)

[202 Mira Loma Drive | Oroville, CA 95965](#)

T: 530.552.3870 | D: [530.552.3870](tel:530.552.3870)

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From: Kahler, Amy (CDC/NCEZID/DFWED/WDPB) <ete1@cdc.gov>

Sent: Monday, July 21, 2025 12:10 PM

To: Parker, Thomas <TParker@buttecounty.net>

Cc: Mattioli, Mia Catharine (CDC/NCEZID/DFWED/WDPB) <kuk9@cdc.gov>

Subject: RE: Consultation re: STEC O157 cases exposed to natural recreational water in Butte County, CA

ATTENTION: This message originated from outside **Butte County**. Please exercise judgment before opening attachments, clicking on links, or replying.

Hi Thomas,

Sometimes the decision about where to collect the water sample is more about the logistics of where you can access the site – so if any locations present logistical challenges in accessing the water, any sample you can take is OK! However, if you have the luxury of choice, I'd say opt for flowing water over stagnant, with one caveat. If the water is flowing too fast, you could have issues keeping the tubing submerged with all the movement. We will send tubing weights you can attach to the tubing with a zip tie to help keep the tubing submerged, but it may also help if the water isn't too turbulent to begin with. With the weights there is a bit of balancing act though. You'll want to keep watch to make sure the tubing doesn't suck up too much sediment. We like to attach the weight several inches up from the end of the tubing so that the tubing end can point up, away from the sediment. We also orient the flow so that the ultrafilter filtrate gets released downstream from the intake – if the water is stagnant, you'll want to make sure the filtrate is released far enough downstream to not disturb the intake water. You can also let the filtrate flow onto the grass/banks if that's not too messy.

Taking the sediment sample downstream of the water intake is exactly the right approach. If this isn't physically possible, you could also wait and take the sediment sample after filtration is complete.

Thanks,
Amy

From: Parker, Thomas <TParker@buttecounty.net>

Sent: Monday, July 21, 2025 2:37 PM

To: Kahler, Amy (CDC/NCEZID/DFWED/WDPB) <ete1@cdc.gov>

Subject: RE: Consultation re: STEC O157 cases exposed to natural recreational water in Butte County, CA

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Thank you, that was my thought regarding the sediment sampling but I was not sure. I scouted out a few locations during my run over the weekend which had both. And thanks for the timeline for collecting the filtered samples. I just went through that part of the protocol so that is reassuring. For the filtered samples, is there a preference between collecting in still water vs faster flowing water? I have not noticed that in the protocol yet. I plan to take the water samples upstream from the sediment samples to avoid any silt/sediment from entering the filtration.

Thanks,

Thomas Parker

Program Manager, Hazardous Materials

[BUTTE COUNTY PUBLIC HEALTH](#)

[202 Mira Loma Drive | Oroville, CA 95965](#)

T: 530.552.3870 | D: [530.552.3870](tel:530.552.3870)

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From: Kahler, Amy (CDC/NCEZID/DFWED/WDPB) <ete1@cdc.gov>
Sent: Monday, July 21, 2025 11:26 AM
To: Parker, Thomas <TParker@buttecounty.net>; Mattioli, Mia Catharine (CDC/NCEZID/DFWED/WDPB) <kuk9@cdc.gov>
Subject: RE: Consultation re: STEC O157 cases exposed to natural recreational water in Butte County, CA

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Hi Thomas,

For the sediment sampling, we recommend going for the more silty sediment, if possible. The ultrafiltration procedure takes about 30 minutes for 50-L of water from start to finish. It will take a few minutes of setup, but once the filter is running you'll get 50-L through in 15-20 minutes at a 3-4 L/min flow rate. Then a few minutes of cleanup and you're on to the next site!

Thanks,
Amy

From: Parker, Thomas <TParker@buttecounty.net>
Sent: Monday, July 21, 2025 1:06 PM
To: Mattioli, Mia Catharine (CDC/NCEZID/DFWED/WDPB) <kuk9@cdc.gov>; Kahler, Amy (CDC/NCEZID/DFWED/WDPB) <ete1@cdc.gov>
Subject: RE: Consultation re: STEC O157 cases exposed to natural recreational water in Butte County, CA

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Thank you Mia. I have just two right now since I have not been able to read the protocol yet.

1. For the sediment sampling, is there a preference between sand or silt? Or does it matter?
2. How long does it typically take to filter the 50 liters of water? I am in the pre-planning stages and need to estimate time out in the field, coupled with my upcoming vacations.

Thanks,

Thomas Parker
Program Manager, Hazardous Materials
[BUTTE COUNTY PUBLIC HEALTH](#)
[202 Mira Loma Drive | Oroville, CA 95965](#)
T: 530.552.3870 | D: [530.552.3870](tel:530.552.3870)

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From: Mattioli, Mia Catharine (CDC/NCEZID/DFWED/WDPB) <kuk9@cdc.gov>

Sent: Monday, July 21, 2025 9:56 AM

To: Parker, Thomas <TParker@buttecounty.net>; Wais, Ashley <AWais@buttecounty.net>; Lamba, Katherine@CDPH <Katherine.Lamba@cdph.ca.gov>; Miko, Shanna (CDC/NCEZID/DFWED/WDPB) <rhu6@cdc.gov>; Beaudoin, Jarett <JBeaudoin@buttecounty.net>

Cc: Stainken, Cameron (CDC cdph.ca.gov) <cameron.stainken@cdph.ca.gov>; Kahler, Amy (CDC/NCEZID/DFWED/WDPB) <ete1@cdc.gov>; Kunz, Jasen M. (CDC/NCEZID/DFWED/WDPB) <izk0@cdc.gov>; Hill, Vincent

(CDC/NCEZID/DFWED/WDPB) <veh2@cdc.gov>; McKeel, Haley (CDC/NCEZID/DFWED/EDLB) <hvw0@cdc.gov>;

Strockbine, Nancy (CDC/NCEZID/DFWED/EDLB) <nas6@cdc.gov>; McSpadden, Elaine <EMcspadden@buttecounty.net>

Subject: RE: Consultation re: STEC O157 cases exposed to natural recreational water in Butte County, CA

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Hi Thomas,

You can direct those questions to myself and Amy Kahler (ete1@cdc.gov). Look forward to working with you!

Mia

Mia Catharine Mattioli
Environmental Engineer
Centers for Disease Control and Prevention (CDC)
Department of Health and Human Services (HHS)
Office: (404) 718-5643

From: Parker, Thomas <TParker@buttecounty.net>

Sent: Monday, July 21, 2025 12:35 PM

To: Mattioli, Mia Catharine (CDC/NCEZID/DFWED/WDPB) <kuk9@cdc.gov>; Wais, Ashley <AWais@buttecounty.net>; Lamba, Katherine@CDPH <Katherine.Lamba@cdph.ca.gov>; Miko, Shanna (CDC/NCEZID/DFWED/WDPB) <rhu6@cdc.gov>; Beaudoin, Jarett <JBeaudoin@buttecounty.net>

Cc: Stainken, Cameron (CDC cdph.ca.gov) <cameron.stainken@cdph.ca.gov>; Kahler, Amy (CDC/NCEZID/DFWED/WDPB) <ete1@cdc.gov>; Kunz, Jasen M. (CDC/NCEZID/DFWED/WDPB) <izk0@cdc.gov>; Hill, Vincent

(CDC/NCEZID/DFWED/WDPB) <veh2@cdc.gov>; McKeel, Haley (CDC/NCEZID/DFWED/EDLB) <hvw0@cdc.gov>;

Strockbine, Nancy (CDC/NCEZID/DFWED/EDLB) <nas6@cdc.gov>; McSpadden, Elaine <EMcspadden@buttecounty.net>

Subject: RE: Consultation re: STEC O157 cases exposed to natural recreational water in Butte County, CA

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Thank you Mia. If I have specific questions regarding sampling protocols or procedures, should I direct them to you or someone else?

Thomas Parker

Program Manager, Hazardous Materials
[BUTTE COUNTY PUBLIC HEALTH](#)
[202 Mira Loma Drive | Oroville, CA 95965](#)
T: 530.552.3870 | D: [530.552.3870](#)

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From: Mattioli, Mia Catharine (CDC/NCEZID/DFWED/WDPB) <kuk9@cdc.gov>

Sent: Monday, July 21, 2025 9:26 AM

To: Wais, Ashley <AWais@buttecounty.net>; Lamba, Katherine@CDPH <Katherine.Lamba@cdph.ca.gov>; Miko, Shanna (CDC/NCEZID/DFWED/WDPB) <rhu6@cdc.gov>; Beaudoin, Jarrett <JBeaudoin@buttecounty.net>

Cc: Stainken, Cameron (CDC cdph.ca.gov) <cameron.stainken@cdph.ca.gov>; Kahler, Amy (CDC/NCEZID/DFWED/WDPB) <ete1@cdc.gov>; Kunz, Jasen M. (CDC/NCEZID/DFWED/WDPB) <izk0@cdc.gov>; Hill, Vincent (CDC/NCEZID/DFWED/WDPB) <veh2@cdc.gov>; McKeel, Haley (CDC/NCEZID/DFWED/EDLB) <hvw0@cdc.gov>; Strockbine, Nancy (CDC/NCEZID/DFWED/EDLB) <nas6@cdc.gov>; McSpadden, Elaine <EMcspadden@buttecounty.net>; Parker, Thomas <TParker@buttecounty.net>

Subject: RE: Consultation re: STEC O157 cases exposed to natural recreational water in Butte County, CA

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Wonderful! We're work to get the supplies and sampling guidance to you asap.

I also realized I didn't answer you other question. The sediment sample you collect will be great to test (O157 is very hardy in sediment). Just be sure to keep it at 4C and ship on ice packs, which we will send. You can wait to send it with the other samples.

Also, you'll have my cell so we can facetime to troubleshoot any issues as well.

Thanks!

Mia

Mia Catharine Mattioli
Environmental Engineer
Centers for Disease Control and Prevention (CDC)
Department of Health and Human Services (HHS)
Office: (404) 718-5643

From: Wais, Ashley <AWais@buttecounty.net>
Sent: Monday, July 21, 2025 12:23 PM
To: Mattioli, Mia Catharine (CDC/NCEZID/DFWED/WDPB) <kuk9@cdc.gov>; Lamba, Katherine@CDPH <Katherine.Lamba@cdph.ca.gov>; Miko, Shanna (CDC/NCEZID/DFWED/WDPB) <rhu6@cdc.gov>; Beaudoin, Jarett <JBeaudoin@buttecounty.net>
Cc: Stainken, Cameron (CDC cdph.ca.gov) <cameron.stainken@cdph.ca.gov>; Kahler, Amy (CDC/NCEZID/DFWED/WDPB) <ete1@cdc.gov>; Kunz, Jasen M. (CDC/NCEZID/DFWED/WDPB) <izk0@cdc.gov>; Hill, Vincent (CDC/NCEZID/DFWED/WDPB) <veh2@cdc.gov>; McKeel, Haley (CDC/NCEZID/DFWED/EDLB) <hvw0@cdc.gov>; Strockbine, Nancy (CDC/NCEZID/DFWED/EDLB) <nas6@cdc.gov>; McSpadden, Elaine <EMcspadden@buttecounty.net>; Parker, Thomas <TParker@buttecounty.net>
Subject: RE: Consultation re: STEC O157 cases exposed to natural recreational water in Butte County, CA

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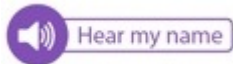
Hi Mia,

Thank you for this insight. Below is the appropriate address to ship the supplies to.

Butte County Environmental Health
ATTN: Tom Parker
202 Mira Loma Drive
Oroville, CA 95965

In the meantime, the Butte County team will review the water sampling protocol shared in the meeting and have internal discussions to confirm sampling locations. I believe that we will have additional questions before we conduct sampling and greatly appreciate the CDC team's support and guidance during this project.

Thank you,
Ashley Wais, MPH, CIC®
Epidemiologist
[BUTTE COUNTY PUBLIC HEALTH](#)
[202 Mira Loma Drive | Oroville, CA 95965](#)
T: [530-552-3950](tel:530-552-3950) | M: [530-300-4166](tel:530-300-4166)
<https://www.buttecounty.net/610/Public-Health>



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From: Mattioli, Mia Catharine (CDC/NCEZID/DFWED/WDPB) <kuk9@cdc.gov>
Sent: Saturday, July 19, 2025 11:31 AM

To: Wais, Ashley <AWais@buttecounty.net>; Lamba, Katherine@CDPH <Katherine.Lamba@cdph.ca.gov>; Miko, Shanna (CDC/NCEZID/DFWED/WDPB) <rhu6@cdc.gov>; Beaudoin, Jarrett <JBeaudoin@buttecounty.net>
Cc: Stainken, Cameron (CDC cdph.ca.gov) <cameron.stainken@cdph.ca.gov>; Kahler, Amy (CDC/NCEZID/DFWED/WDPB) <ete1@cdc.gov>; Kunz, Jasen M. (CDC/NCEZID/DFWED/WDPB) <izk0@cdc.gov>; Hill, Vincent (CDC/NCEZID/DFWED/WDPB) <veh2@cdc.gov>; McKeel, Haley (CDC/NCEZID/DFWED/EDLB) <hvw0@cdc.gov>; Strockbine, Nancy (CDC/NCEZID/DFWED/EDLB) <nas6@cdc.gov>
Subject: RE: Consultation re: STEC O157 cases exposed to natural recreational water in Butte County, CA

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Hi Ashley,

It was great speaking with you all on Friday. We are happy to support sampling and testing of the creek associated with the *E. coli* O157:H7 outbreak.

Based on our discussion, we would recommend water and sediment sampling at the following **5 locations**: the three swimming sites associated with exposure, immediately downstream of the golf course but upstream of the first swimming location, and further upstream where the wildfire sediment deposited. We would test these samples for *E. coli* O157:H7 and generic fecal indicator *E. coli*, as well as microbial source tracking markers specific to feces for birds, ruminants, and humans and markers specific to mitochondria of goose (given the Wildwood association). As mentioned on the call, Amy Irani in Nevada County did the sampling for the Lake Wildwood outbreak and is familiar with our large volume ultrafiltration sampling procedure so we would recommend asking if she can support given that experience.

If you all are OK with this plan, we can provide more details on the sampling and supplies, but first we **need the best address to ship**. Likely the earliest we can get the supplies to you all is Wednesday morning so sampling could occur on Wednesday and Thursday at the earliest. Friday sampling is tricky because Saturday delivery by FedEx is often problematic.

Thanks again for reaching out and look forward to working with you all!

Mia

Mia Catharine Mattioli
Environmental Engineer
Centers for Disease Control and Prevention (CDC)
Department of Health and Human Services (HHS)
Office: (404) 718-5643

From: Wais, Ashley <AWais@buttecounty.net>
Sent: Friday, July 18, 2025 6:45 PM
To: Lamba, Katherine@CDPH <Katherine.Lamba@cdph.ca.gov>; Mattioli, Mia Catharine (CDC/NCEZID/DFWED/WDPB) <kuk9@cdc.gov>; Miko, Shanna (CDC/NCEZID/DFWED/WDPB) <rhu6@cdc.gov>; Beaudoin, Jarrett <JBeaudoin@buttecounty.net>
Cc: Stainken, Cameron (CDC cdph.ca.gov) <cameron.stainken@cdph.ca.gov>; Kahler, Amy (CDC/NCEZID/DFWED/WDPB) <ete1@cdc.gov>; Kunz, Jasen M. (CDC/NCEZID/DFWED/WDPB) <izk0@cdc.gov>; Hill, Vincent (CDC/NCEZID/DFWED/WDPB) <veh2@cdc.gov>; McKeel, Haley (CDC/NCEZID/DFWED/EDLB) <hvw0@cdc.gov>; Strockbine, Nancy (CDC/NCEZID/DFWED/EDLB) <nas6@cdc.gov>
Subject: RE: Consultation re: STEC O157 cases exposed to natural recreational water in Butte County, CA

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Thank you all so much for your time and support with this scenario. We will await further guidance on next steps.

Lastly, the City of Chico collected a sediment sample while conducting their cleaning efforts yesterday. I wanted to confirm if there was a time frame in which that needs to be tested for it to be viable?

 Hear my name

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Subject: RE: Consultation re: STEC O157 cases exposed to natural recreational water in Butte County, CA

Thanks Ashley, updates incorporated in the table below.

Kat

Katherine Lamba, MPH (she/her)
California Department of Public Health
Phone: 510-620-3429 | Email: Katherine.Lamba@cdph.ca.gov

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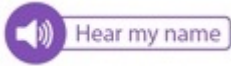
From: Wais, Ashley <AWais@buttecounty.net>
Sent: Thursday, July 17, 2025 4:14 PM
To: Lamba, Katherine@CDPH <Katherine.Lamba@cdph.ca.gov>; 'Mattioli, Mia Catharine (CDC/NCEZID/DFWED/WDPB)' <kuk9@cdc.gov>; Miko, Shanna (CDC/NCEZID/DFWED/WDPB) <rhu6@cdc.gov>; Beaudoin, Jarett <jbeaudoin@buttecounty.net>
Cc: Stainken, Cameron@CDPH <Cameron.Stainken@cdph.ca.gov>; Kahler, Amy (CDC/NCEZID/DFWED/WDPB) <ete1@cdc.gov>; Kunz, Jasen M. (CDC/NCEZID/DFWED/WDPB) <izk0@cdc.gov>; Hill, Vincent (CDC/NCEZID/DFWED/WDPB) <veh2@cdc.gov>; McKeel, Haley (CDC/NCEZID/DFWED/EDLB) <hvw0@cdc.gov>; Strockbine, Nancy (CDC/NCEZID/DFWED/EDLB) <nas6@cdc.gov>
Subject: RE: Consultation re: STEC O157 cases exposed to natural recreational water in Butte County, CA

Hi Kat,

Thank you for this update. For the table below there are a few exposures that need to be updated.

Thank you,

Ashley Wais, MPH, CIC®
Epidemiologist
[BUTTE COUNTY PUBLIC HEALTH](#)
[202 Mira Loma Drive | Oroville, CA 95965](#)
T: [530-552-3950](tel:530-552-3950) | M: [530-300-4166](tel:530-300-4166)
<https://www.buttecounty.net/610/Public-Health>



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From: Lamba, Katherine@CDPH <Katherine.Lamba@cdph.ca.gov>
Sent: Thursday, July 17, 2025 3:55 PM
To: Wais, Ashley <AWais@buttecounty.net>; 'Mattioli, Mia Catharine (CDC/NCEZID/DFWED/WDPB)' <kuk9@cdc.gov>; Miko, Shanna (CDC/NCEZID/DFWED/WDPB) <rhu6@cdc.gov>; Beaudoin, Jarett <jbeaudoin@buttecounty.net>
Cc: Stainken, Cameron@CDPH <Cameron.Stainken@cdph.ca.gov>; Kahler, Amy (CDC/NCEZID/DFWED/WDPB) <ete1@cdc.gov>; Kunz, Jasen M. (CDC/NCEZID/DFWED/WDPB) <izk0@cdc.gov>; Hill, Vincent (CDC/NCEZID/DFWED/WDPB) <veh2@cdc.gov>; McKeel, Haley (CDC/NCEZID/DFWED/EDLB) <hvw0@cdc.gov>; Strockbine, Nancy (CDC/NCEZID/DFWED/EDLB) <nas6@cdc.gov>
Subject: RE: Consultation re: STEC O157 cases exposed to natural recreational water in Butte County, CA

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Hi all,

[Redacted content]

[Redacted]	[Redacted]	[Redacted]	[Redacted]	[Redacted]	[Redacted]	[Redacted]
[Redacted]	[Redacted]	[Redacted]	[Redacted]	[Redacted]	[Redacted]	[Redacted]
[Redacted]	[Redacted]	[Redacted]	[Redacted]	[Redacted]	[Redacted]	[Redacted]
[Redacted]	[Redacted]	[Redacted]	[Redacted]	[Redacted]	[Redacted]	[Redacted]
[Redacted]	[Redacted]	[Redacted]	[Redacted]	[Redacted]	[Redacted]	[Redacted]
[Redacted]	[Redacted]	[Redacted]	[Redacted]	[Redacted]	[Redacted]	[Redacted]

Thanks,
Kat

Katherine Lamba, MPH (she/her)
California Department of Public Health

Confidential - Low

From: Wais, Ashley <AWais@buttecounty.net>

Sent: Thursday, July 17, 2025 8:56 AM

To: 'Mattioli, Mia Catharine (CDC/NCEZID/DFWED/WDPB)' <kuk9@cdc.gov>; Lamba, Katherine@CDPH <Katherine.Lamba@cdph.ca.gov>; Miko, Shanna (CDC/NCEZID/DFWED/WDPB) <rhu6@cdc.gov>; Beaudoin, Jarett <jbeaudoin@buttecounty.net>

Cc: Stainken, Cameron@CDPH <Cameron.Stainken@cdph.ca.gov>; Kahler, Amy (CDC/NCEZID/DFWED/WDPB) <ete1@cdc.gov>; Kunz, Jasen M. (CDC/NCEZID/DFWED/WDPB) <izk0@cdc.gov>; Hill, Vincent (CDC/NCEZID/DFWED/WDPB) <veh2@cdc.gov>; McKeel, Haley (CDC/NCEZID/DFWED/EDLB) <hvw0@cdc.gov>; Strockbine, Nancy (CDC/NCEZID/DFWED/EDLB) <nas6@cdc.gov>

Subject: RE: Consultation re: STEC O157 cases exposed to natural recreational water in Butte County, CA

Hi Mia,

Thank you for accommodating our tight schedule and consulting with us for this scenario. We have reached out to the City of Chico to see if they can acquire these samples. We are available at 12PM tomorrow for a discussion.

I did have a few questions related to the sample requests:

1. The pool is now drained (see below) and the process for removing sediment is underway. Did the sediment need to be submerged?
2. I am not sure it will be possible to acquire a “mucky water” sample now that the pool is drained. Is there a different type of sample that should be taken or should it be taken from another location (upstream)?

Any insight is appreciated.



Thank you,
Ashley Wais, MPH, CIC®

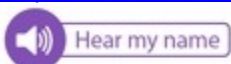
Epidemiologist

[BUTTE COUNTY PUBLIC HEALTH](#)

[202 Mira Loma Drive | Oroville, CA 95965](#)

[T: 530-552-3950 | M: 530-300-4166](#)

<https://www.buttecounty.net/610/Public-Health>



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From: Mattioli, Mia Catharine (CDC/NCEZID/DFWED/WDPB) <kuk9@cdc.gov>
Sent: Thursday, July 17, 2025 8:31 AM
To: Lamba, Katherine@CDPH <Katherine.Lamba@cdph.ca.gov>; Miko, Shanna (CDC/NCEZID/DFWED/WDPB) <rhu6@cdc.gov>; Wais, Ashley <AWais@buttecounty.net>; Beaudoin, Jarett <jbeaudoin@buttecounty.net>
Cc: Stainken, Cameron (CDC cdph.ca.gov) <cameron.stainken@cdph.ca.gov>; Kahler, Amy (CDC/NCEZID/DFWED/WDPB) <ete1@cdc.gov>; Kunz, Jasen M. (CDC/NCEZID/DFWED/WDPB) <izk0@cdc.gov>; Hill, Vincent (CDC/NCEZID/DFWED/WDPB) <veh2@cdc.gov>; McKeel, Haley (CDC/NCEZID/DFWED/EDLB) <hvw0@cdc.gov>; Strockbine, Nancy (CDC/NCEZID/DFWED/EDLB) <nas6@cdc.gov>
Subject: RE: Consultation re: STEC O157 cases exposed to natural recreational water in Butte County, CA

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Hi Kat,

Thanks so much for proposing times!

CDC is available at the following:

- Friday 7/18: 12pm PST/3PM EST
- Monday 7/21: 1pm PST/4pm EST

Also, if they are cleaning out Sycamore pool, could we ask that someone grab two, 1-L bottles and fill one halfway with the sediment and the other almost full with the mucky water churned up? These can be stored in a fridge (4C) until process. Our lab does this type of testing if not available in CA. These samples will be the best for this type of bug and water source.

Thanks!

Mia

Mia Catharine Mattioli
Environmental Engineer
Centers for Disease Control and Prevention (CDC)
Department of Health and Human Services (HHS)
Office: (404) 718-5643

From: Lamba, Katherine@CDPH <Katherine.Lamba@cdph.ca.gov>
Sent: Wednesday, July 16, 2025 9:22 PM
To: Mattioli, Mia Catharine (CDC/NCEZID/DFWED/WDPB) <kuk9@cdc.gov>; Miko, Shanna (CDC/NCEZID/DFWED/WDPB) <rhu6@cdc.gov>; Wais, Ashley <AWais@buttecounty.net>; Beaudoin, Jarett <jbeaudoin@buttecounty.net>
Cc: Stainken, Cameron (CDC cdph.ca.gov) <cameron.stainken@cdph.ca.gov>; Kahler, Amy (CDC/NCEZID/DFWED/WDPB) <ete1@cdc.gov>; Kunz, Jasen M. (CDC/NCEZID/DFWED/WDPB) <izk0@cdc.gov>; Hill, Vincent (CDC/NCEZID/DFWED/WDPB) <veh2@cdc.gov>; McKeel, Haley (CDC/NCEZID/DFWED/EDLB) <hvw0@cdc.gov>; Strockbine, Nancy (CDC/NCEZID/DFWED/EDLB) <nas6@cdc.gov>
Subject: RE: Consultation re: STEC O157 cases exposed to natural recreational water in Butte County, CA

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Hi all,

Looping in a couple of folks from Butte County directly (Ashley Wais- epi and Dr. Beaudoin, Health Officer) so we can all sort out scheduling for this call.

Looks like scheduling over the next several days may be challenging but hopefully we can sort out a time that works sooner rather than later for the group. Would CDC team by chance be available during any of the following times?

- Thursday 7/17: 12pm PST/3PM EST
- Friday 7/18: 12pm PST/3PM EST
- Monday 7/21: 9am-11am PST (12-2 EST); 1pm PST/4pm EST
 - For Monday these are the slots that work for CDC and CDPH; @Wais, Ashley let us know if any of these work for Butte.

Thank you!
Kat

Katherine Lamba, MPH (she/her)
California Department of Public Health
Phone: 510-620-3429 | Email: Katherine.Lamba@cdph.ca.gov

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From: Lamba, Katherine@CDPH
Sent: Wednesday, July 16, 2025 2:44 PM
To: Mattioli, Mia Catharine (CDC/NCEZID/DFWED/WDPB) <kuk9@cdc.gov>; Miko, Shanna (CDC/NCEZID/DFWED/WDPB) <rhu6@cdc.gov>
Cc: Stainken, Cameron@CDPH <Cameron.Stainken@cdph.ca.gov>; Kahler, Amy (CDC/NCEZID/DFWED/WDPB) <ete1@cdc.gov>; Kunz, Jasen M. (CDC/NCEZID/DFWED/WDPB) <izk0@cdc.gov>; Hill, Vincent (CDC/NCEZID/DFWED/WDPB) <veh2@cdc.gov>; McKeel, Haley (CDC/NCEZID/DFWED/EDLB) <hvw0@cdc.gov>; Strockbine, Nancy (CDC/NCEZID/DFWED/EDLB) <nas6@cdc.gov>
Subject: RE: Consultation re: STEC O157 cases exposed to natural recreational water in Butte County, CA

[REDACTED]

[REDACTED]

[REDACTED] My thought went to geese flying down from WA 😊 .

Kat

Katherine Lamba, MPH (she/her)
California Department of Public Health
Phone: 510-620-3429 | Email: Katherine.Lamba@cdph.ca.gov

From: Mattioli, Mia Catharine (CDC/NCEZID/DFWED/WDPB) <kuk9@cdc.gov>
Sent: Wednesday, July 16, 2025 2:30 PM
To: Lamba, Katherine@CDPH <Katherine.Lamba@cdph.ca.gov>; Miko, Shanna (CDC/NCEZID/DFWED/WDPB) <rhu6@cdc.gov>
Cc: Stainken, Cameron@CDPH <Cameron.Stainken@cdph.ca.gov>; Kahler, Amy (CDC/NCEZID/DFWED/WDPB) <ete1@cdc.gov>; Kunz, Jasen M. (CDC/NCEZID/DFWED/WDPB) <izk0@cdc.gov>; Hill, Vincent (CDC/NCEZID/DFWED/WDPB) <veh2@cdc.gov>; McKeel, Haley (CDC/NCEZID/DFWED/EDLB) <hvw0@cdc.gov>; Strockbine, Nancy (CDC/NCEZID/DFWED/EDLB) <nas6@cdc.gov>
Subject: RE: Consultation re: STEC O157 cases exposed to natural recreational water in Butte County, CA

Adding our other enterics clinical outbreak SME, Nancy Strockbine, as well.

Thanks!

Mia Catharine Mattioli
Environmental Engineer
Centers for Disease Control and Prevention (CDC)
Department of Health and Human Services (HHS)
Office: (404) 718-5643

From: Mattioli, Mia Catharine (CDC/NCEZID/DFWED/WDPB)
Sent: Wednesday, July 16, 2025 5:28 PM
To: Lamba, Katherine@CDPH <Katherine.Lamba@cdph.ca.gov>; Miko, Shanna (CDC/NCEZID/DFWED/WDPB) <rhu6@cdc.gov>
Cc: Stainken, Cameron (CDC cdph.ca.gov) <cameron.stainken@cdph.ca.gov>; Kahler, Amy (CDC/NCEZID/DFWED/WDPB) <ete1@cdc.gov>; Kunz, Jasen M. (CDC/NCEZID/DFWED/WDPB) <izk0@cdc.gov>; Hill, Vincent (CDC/NCEZID/DFWED/WDPB) <veh2@cdc.gov>; McKeel, Haley (CDC/NCEZID/DFWED/EDLB) <hvw0@cdc.gov>
Subject: RE: Consultation re: STEC O157 cases exposed to natural recreational water in Butte County, CA

OK, thanks so much! This is very close and similar sounding to our Lake Wildwood *E. coli* O157:H7 outbreak in 2017 at almost the exact same time of year. In that case there were Canada geese amplifying the pathogen within the lake. I wonder if there are geese or other birds frequenting these untreated venues as well. I'm including our clinical enterics laboratory SME, Haley McKeel, who was also involved in the 2017 response.

Our team would be available this Friday (7/18) from 12-2 PM EST or next Monday (7/21) after 12 PM EST. If none of those times work for you all, let us know what works best for you, and we can move things on our end.

Thanks again for reaching out!

Mia

Mia Catharine Mattioli
Environmental Engineer
Centers for Disease Control and Prevention (CDC)
Department of Health and Human Services (HHS)
Office: (404) 718-5643

From: Lamba, Katherine@CDPH <Katherine.Lamba@cdph.ca.gov>
Sent: Wednesday, July 16, 2025 5:22 PM
To: Mattioli, Mia Catharine (CDC/NCEZID/DFWED/WDPB) <kuk9@cdc.gov>; Miko, Shanna (CDC/NCEZID/DFWED/WDPB) <rhu6@cdc.gov>
Cc: Stainken, Cameron (CDC cdph.ca.gov) <cameron.stainken@cdph.ca.gov>; Kahler, Amy (CDC/NCEZID/DFWED/WDPB)

<ete1@cdc.gov>; Kunz, Jasen M. (CDC/NCEZID/DFWED/WDPB) <izk0@cdc.gov>; Hill, Vincent (CDC/NCEZID/DFWED/WDPB) <veh2@cdc.gov>

Subject: RE: Consultation re: STEC O157 cases exposed to natural recreational water in Butte County, CA

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Fantastic, thanks! Let me check in with our Butte County colleagues then I will loop them in and can coordinate setting something up. In the meantime if you are able to share some time slots over the next several days that work for your team that would be great.

Yes- Sycamore pool is untreated water.

Kat

Katherine Lamba, MPH (she/her)
California Department of Public Health
Phone: 510-620-3429 | Email: Katherine.Lamba@cdph.ca.gov

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From: Mattioli, Mia Catharine (CDC/NCEZID/DFWED/WDPB) <kuk9@cdc.gov>
Sent: Wednesday, July 16, 2025 2:11 PM
To: Lamba, Katherine@CDPH <Katherine.Lamba@cdph.ca.gov>; Miko, Shanna (CDC/NCEZID/DFWED/WDPB) <rhu6@cdc.gov>
Cc: Stainken, Cameron@CDPH <Cameron.Stainken@cdph.ca.gov>; Kahler, Amy (CDC/NCEZID/DFWED/WDPB) <ete1@cdc.gov>; Kunz, Jasen M. (CDC/NCEZID/DFWED/WDPB) <izk0@cdc.gov>; Hill, Vincent (CDC/NCEZID/DFWED/WDPB) <veh2@cdc.gov>
Subject: RE: Consultation re: STEC O157 cases exposed to natural recreational water in Butte County, CA

Hi Kat,

Thanks for reaching out! Yes, Shanna and I are the right contacts. Shanna is only leave this week so I've included her back-fill for outbreak support, Jasen Kunz. Jasen can set up a call to discuss sampling and testing. Our lab does both water and sediment testing for *E. coli* O157:H7, and we happy to discuss our sampling and testing methods. Of note, generic *E. coli* tests used for monitoring do *not* detect O157:H7 strains, which means those values alone cannot be used to evaluate risk of pathogen contamination.

Thanks for the outbreak notes as well. Just so I'm clear, this pool is untreated, correct? It is fed by a creek without further treatment?

Let us know if you would like to set up a call or prefer Jasen reach out, and thanks again!

Mia

Mia Catharine Mattioli
Environmental Engineer
Centers for Disease Control and Prevention (CDC)
Department of Health and Human Services (HHS)
Office: (404) 718-5643

From: Lamba, Katherine@CDPH <Katherine.Lamba@cdph.ca.gov>

Sent: Wednesday, July 16, 2025 5:05 PM

To: Mattioli, Mia Catharine (CDC/NCEZID/DFWED/WDPB) <kuk9@cdc.gov>; Miko, Shanna (CDC/NCEZID/DFWED/WDPB) <rhu6@cdc.gov>

Cc: Stainken, Cameron (CDC cdph.ca.gov) <cameron.stainken@cdph.ca.gov>

Subject: Consultation re: STEC O157 cases exposed to natural recreational water in Butte County, CA

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Hi Mia and Shanna,

Hoping you're still the right contacts to reach out to- if not, please forward as needed.

CDPH has been supporting Butte County in the investigation of STEC O157 cases they suspect are associated with a couple of related natural recreational water locations in Chico, CA. Butte County has been in discussions with the City of Chico regarding possible testing of water and sediment for STEC/STEC O157 and they are looking for guidance on sampling methods, interpretation of laboratory results, and considerations around water sampling. We're wondering if you and your team may be available to consult on this situation, possibly via a conference call?

Some background:

- Butte County initially identified 2 cases of STEC O157 [REDACTED], onsets [REDACTED], where exposure to [Sycamore Pool](#) (aka One-Mile recreational area/Bidwell Park) in Chico is the suspected exposure. WGS has been completed for one STEC case and is in process for the 2nd. No other closely related recent STEC isolates have been identified.
 - 1 additional STEC case with onset [REDACTED] and exposure to Sycamore pool on [REDACTED] was subsequently identified.
- Sycamore pool is a man-made concrete swimming 'pool' with fresh natural recreational water and is connected to Big Chico Creek
- On 7/1/25, the City of Chico issued a [swimming advisory](#) at Sycamore pool due to elevated E. coli levels from routine testing. Samples are routinely collected upstream and downstream from Sycamore pool. The [pool is closed 7/16-7/18](#) for routine sediment removal/cleaning.
- Butte County has now identified 2 additional STEC cases, onsets [REDACTED] with exposure to the [Five Mile recreational area](#) in Chico, which is also connected to the Big Chico Creek but is about 3 miles east of Sycamore Pool. WGS is pending to determine if these cases have STEC isolates that are related to cases with Sycamore pool exposure.

Thank you, and Cameron please chime in if I've missed any relevant info.

Kat

Katherine Lamba, MPH (she/her)

Epidemiologist

Disease Investigations Section | Infectious Diseases Branch

Center for Infectious Diseases

California Department of Public Health

Phone: 510-620-3429 | Email: Katherine.Lamba@cdph.ca.gov

IDB-DIS general inbox: IDB-DIS@cdph.ca.gov



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Beaudoin, Jarett

From: Beaudoin, Jarett
Sent: Friday, August 1, 2025 8:10 AM
To: Soderstrom, Monica; Cox, Erin; McSpadden, Elaine; Almaguer, Lisa
Cc: Wais, Ashley
Subject: Fw: Consultation re: STEC O157 cases exposed to natural recreational water in Butte County, CA

Just to keep your mental list running, we now have 4/5 cases confirmed by whole genome sequencing to be linked.

Last one pending is Aligator hole. I think this will be the next good piece of data for thinking about risk of swimming upstream of 5-mile.

-Jarett

From: Lamba, Katherine@CDPH <Katherine.Lamba@cdph.ca.gov>
Sent: Thursday, July 31, 2025 4:53 PM
To: McKeel, Haley (CDC/NCEZID/DFWED/EDLB) <hvw0@cdc.gov>; Miko, Shanna (CDC/NCEZID/DFWED/WDPB) <rhu6@cdc.gov>; Kahler, Amy (CDC/NCEZID/DFWED/WDPB) <ete1@cdc.gov>; Bond, Christian R@CDPH <Christian.Bond@cdph.ca.gov>; Mattioli, Mia Catharine (CDC/NCEZID/DFWED/WDPB) <kuk9@cdc.gov>; Parker, Thomas <TParker@buttecounty.net>; Beaudoin, Jarett <jbeaudoin@buttecounty.net>
Cc: Roundtree, Alexis V. (CDC/NCEZID/DFWED/WDPB) (CTR) <hzj5@cdc.gov>; Kunz, Jasen M. (CDC/NCEZID/DFWED/WDPB) <izk0@cdc.gov>; Strockbine, Nancy (CDC/NCEZID/DFWED/EDLB) <nas6@cdc.gov>; PulseNet (CDC) <pulsenet@cdc.gov>; Stainken, Cameron@CDPH <Cameron.Stainken@cdph.ca.gov>; MacGurn, Amanda (CDC/NCEZID/DFWED/WDPB) <wmh9@cdc.gov>
Subject: RE: Consultation re: STEC O157 cases exposed to natural recreational water in Butte County, CA

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Hi all,



Kat

Katherine Lamba, MPH (she/her)
California Department of Public Health
Phone: 510-620-3429 | Email: Katherine.Lamba@cdph.ca.gov

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From: McKeel, Haley (CDC/NCEZID/DFWED/EDLB) <hvw0@cdc.gov>
Sent: Wednesday, July 30, 2025 6:40 AM
To: Miko, Shanna (CDC/NCEZID/DFWED/WDPB) <rhu6@cdc.gov>; Lamba, Katherine@CDPH <Katherine.Lamba@cdph.ca.gov>; Kahler, Amy (CDC/NCEZID/DFWED/WDPB) <ete1@cdc.gov>; Bond, Christian R@CDPH <Christian.Bond@cdph.ca.gov>; Hummadi, Omar@CDPH <Omar.Hummadi@cdph.ca.gov>; Kiang, David@CDPH <David.Kiang@cdph.ca.gov>; Mattioli, Mia Catharine (CDC/NCEZID/DFWED/WDPB) <kuk9@cdc.gov>; Parker, Thomas <TParker@buttecounty.net>; Beaudoin, Jarett <jbeaudoin@buttecounty.net>
Cc: Roundtree, Alexis V. (CDC/NCEZID/DFWED/WDPB) (CTR) <hjz5@cdc.gov>; Kunz, Jasen M. (CDC/NCEZID/DFWED/WDPB) <izk0@cdc.gov>; Strockbine, Nancy (CDC/NCEZID/DFWED/EDLB) <nas6@cdc.gov>; PulseNet (CDC) <pulsenet@cdc.gov>; Stainken, Cameron@CDPH <Cameron.Stainken@cdph.ca.gov>; MacGurn, Amanda (CDC/NCEZID/DFWED/WDPB) <wmh9@cdc.gov>
Subject: RE: Consultation re: STEC O157 cases exposed to natural recreational water in Butte County, CA

Also adding [@PulseNet \(CDC\)](#) back to the thread for awareness. And good news - I did see all four clinical isolates on NCBI this morning. We'll be on the lookout for the shipment of goose scat samples today.
Many thanks,
Haley



Haley McKeel
Microbiologist
Centers for Disease Control and Prevention (CDC)
Department of Health and Human Services (HHS)
404-639-1612 (office)

From: Miko, Shanna (CDC/NCEZID/DFWED/WDPB) <rhu6@cdc.gov>
Sent: Wednesday, July 30, 2025 9:33 AM
To: Katherine.Lamba@cdph.ca.gov; Kahler, Amy (CDC/NCEZID/DFWED/WDPB) <ete1@cdc.gov>; McKeel, Haley (CDC/NCEZID/DFWED/EDLB) <hvw0@cdc.gov>; Christian.Bond@cdph.ca.gov; Omar.Hummadi@cdph.ca.gov; David.Kiang@cdph.ca.gov; Mattioli, Mia Catharine (CDC/NCEZID/DFWED/WDPB) <kuk9@cdc.gov>; Parker, Thomas <TParker@buttecounty.net>; Beaudoin, Jarett <jbeaudoin@buttecounty.net>; Miko, Shanna (CDC/NCEZID/DFWED/WDPB) <rhu6@cdc.gov>
Cc: Roundtree, Alexis V. (CDC/NCEZID/DFWED/WDPB) (CTR) <hjz5@cdc.gov>; Kunz, Jasen M. (CDC/NCEZID/DFWED/WDPB) <izk0@cdc.gov>; Strockbine, Nancy (CDC/NCEZID/DFWED/EDLB) <nas6@cdc.gov>; Stainken, Cameron (CDC cdph.ca.gov) <cameron.stainken@cdph.ca.gov>; MacGurn, Amanda

(CDC/NCEZID/DFWED/WDPB) <wmh9@cdc.gov>

Subject: RE: Consultation re: STEC O157 cases exposed to natural recreational water in Butte County, CA

Adding @Miko, Shanna (CDC/NCEZID/DFWED/WDPB) back to thread for outbreak coordination POC, I think I fell off when on leave.

From: Kunz, Jasen M. (CDC/NCEZID/DFWED/WDPB) <izk0@cdc.gov>

Sent: Tuesday, July 29, 2025 4:32 PM

To: Miko, Shanna (CDC/NCEZID/DFWED/WDPB) <rhu6@cdc.gov>

Subject: Fw: Consultation re: STEC O157 cases exposed to natural recreational water in Butte County, CA

Looks like your name was left off.

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From: Wais, Ashley <AWais@buttecounty.net>

Sent: Tuesday, July 29, 2025 3:32:05 PM

To:

Cc:

Subject: RE: Consultation re: STEC O157 cases exposed to natural recreational water in Butte County, CA

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Thank you Amy and CDC team for this update. We greatly appreciate the quick response! The goose scat samples should arrive at CDC tomorrow.

Thank you again,

Ashley Wais, MPH, CIC[®]

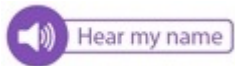
Epidemiologist

[BUTTE COUNTY PUBLIC HEALTH](#)

[202 Mira Loma Drive | Oroville, CA 95965](#)

T: [530-552-3950](tel:530-552-3950) | M: [530-300-4166](tel:530-300-4166)

<https://www.buttecounty.net/610/Public-Health>



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From: Lamba, Katherine@CDPH <Katherine.Lamba@cdph.ca.gov>

Sent: Tuesday, July 29, 2025 12:27 PM

To: Kahler, Amy (CDC/NCEZID/DFWED/WDPB) <ete1@cdc.gov>; McKeel, Haley (CDC/NCEZID/DFWED/EDLB)

<hvw0@cdc.gov>; Wais, Ashley <AWais@buttecounty.net>; Bond, Christian R@CDPH <Christian.Bond@cdph.ca.gov>; Hummadi, Omar@CDPH <Omar.Hummadi@cdph.ca.gov>; Kiang, David@CDPH <David.Kiang@cdph.ca.gov>; Mattioli, Mia Catharine (CDC/NCEZID/DFWED/WDPB) <kuk9@cdc.gov>; Parker, Thomas <TParker@buttecounty.net>
Cc: Roundtree, Alexis V. (CDC/NCEZID/DFWED/WDPB) (CTR) <hzi5@cdc.gov>; Kunz, Jasen M. (CDC/NCEZID/DFWED/WDPB) <izk0@cdc.gov>; Strockbine, Nancy (CDC/NCEZID/DFWED/EDLB) <nas6@cdc.gov>; Stainken, Cameron@CDPH <Cameron.Stainken@cdph.ca.gov>
Subject: RE: Consultation re: STEC O157 cases exposed to natural recreational water in Butte County, CA

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Wow- BIG thank you to the CDC team for the support and the quick laboratory testing!

Quick update on CDPH end- the first 4 isolates sequenced have been given PulseNet cluster code [REDACTED] (no other isolates included in that cluster). Only 1 of the isolates ([REDACTED]) has shown up in NCBI so far and I've been in communication with PulseNet and our lab to sort out some submission/NCBI upload issues.

Kat

Katherine Lamba, MPH (she/her)
California Department of Public Health
Phone: 510-620-3429 | Email: Katherine.Lamba@cdph.ca.gov

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From: Kahler, Amy (CDC/NCEZID/DFWED/WDPB) <ete1@cdc.gov>
Sent: Tuesday, July 29, 2025 12:16 PM
To: McKeel, Haley (CDC/NCEZID/DFWED/EDLB) <hvw0@cdc.gov>; Wais, Ashley <AWais@buttecounty.net>; Bond, Christian R@CDPH <Christian.Bond@cdph.ca.gov>; Hummadi, Omar@CDPH <Omar.Hummadi@cdph.ca.gov>; Kiang, David@CDPH <David.Kiang@cdph.ca.gov>; Mattioli, Mia Catharine (CDC/NCEZID/DFWED/WDPB) <kuk9@cdc.gov>; Lamba, Katherine@CDPH <Katherine.Lamba@cdph.ca.gov>; Parker, Thomas <TParker@buttecounty.net>
Cc: Roundtree, Alexis V. (CDC/NCEZID/DFWED/WDPB) (CTR) <hzi5@cdc.gov>; Kunz, Jasen M. (CDC/NCEZID/DFWED/WDPB) <izk0@cdc.gov>; Strockbine, Nancy (CDC/NCEZID/DFWED/EDLB) <nas6@cdc.gov>; Stainken, Cameron@CDPH <Cameron.Stainken@cdph.ca.gov>
Subject: RE: Consultation re: STEC O157 cases exposed to natural recreational water in Butte County, CA

Hi all,

We wanted to provide a few updates on the progress of environmental testing at CDC. Samples arrived in great condition on Friday and we started processing ASAP. We have detected presumptive-positive O157 isolates that are stx1-negative and stx2-positive from the following sites/samples:

- Sycamore pool water and sediment collected 7/24. There are signs that the sediment collected on 7/17 may also be positive, but our work on those isolates is still pending.
- CCNC water and sediment samples.
- 5 Mile water and sediment samples.

No O157 was detected from the Horeshoe Lake and Aligator Hole sites. We have handed off the presumptive-positive isolates to the Enteric Disease Laboratory Branch for complete workup and confirmation of these preliminary results.

We'll also be conducting microbial source tracking PCR for human, ruminant, and bird markers and will follow up with those results as soon as we have them.

Thanks all,
Amy

From: McKeel, Haley (CDC/NCEZID/DFWED/EDLB) <hvw0@cdc.gov>

Sent: Friday, July 25, 2025 9:47 PM

To: Wais, Ashley <AWais@buttecounty.net>; 'Bond, Christian R@CDPH' <Christian.Bond@cdph.ca.gov>; Hummadi, Omar@CDPH <Omar.Hummadi@cdph.ca.gov>; Kiang, David@CDPH <David.Kiang@cdph.ca.gov>; Mattioli, Mia Catharine (CDC/NCEZID/DFWED/WDPB) <kuk9@cdc.gov>; Lamba, Katherine@CDPH <Katherine.Lamba@cdph.ca.gov>; Parker, Thomas <TParker@buttecounty.net>

Cc: Kahler, Amy (CDC/NCEZID/DFWED/WDPB) <ete1@cdc.gov>; Roundtree, Alexis V. (CDC/NCEZID/DFWED/WDPB) (CTR) <hzi5@cdc.gov>; Kunz, Jasen M. (CDC/NCEZID/DFWED/WDPB) <izk0@cdc.gov>; Strockbine, Nancy (CDC/NCEZID/DFWED/EDLB) <nas6@cdc.gov>; Stainken, Cameron (CDC cdph.ca.gov) <cameron.stainken@cdph.ca.gov>

Subject: RE: Consultation re: STEC O157 cases exposed to natural recreational water in Butte County, CA

Hi Ashley,

Thank you for the update and apologies for the delay in responding as I was out of the office today. The Enteric Diseases Laboratory Branch at CDC has capacity to test the geese scat samples; although, the total number may depend on available resources.

The specimens can be shipped to CDC under test order [CDC-10106 | Enteric Isolation - Primary Specimen - Non-CLIA](#) at the following address:

Attn: Haley McKeel
Centers for Disease Control and Prevention
RDSB/STATT Unit 129
1600 Clifton Road, NE
Atlanta, GA 30329
404-639-1612

As a note, all samples must be shipped in accordance with all applicable local, state, and federal regulations. Please ship for next day arrival and include ice packs in the shipment to keep the specimens cool during transit. The CDC website has some additional information regarding packing and shipping specimens: [CDC Fact Sheet](#).

I've attached a copy of our global file accessioning template that will need to be returned by email ahead of the shipment's arrival at CDC. I've prepopulated several of the fields as well as hidden many of the columns to hopefully make it easier to complete. Please populate any relevant columns (including a unique specimen ID (Column BE) for each sample collected) on the Animal tab as well as the Submitter tab with the Butte County information. Any information about the collection sites that are unique between samples would be helpful to note either in the Comments field (column FC) or in the orange Field Collection section.

Please let me know if you have any questions. I'll be back in the office on Tuesday but will be monitoring emails periodically until then as well.

Sincerely,
Haley



Haley McKeel
Microbiologist

Centers for Disease Control and Prevention (CDC)
Department of Health and Human Services (HHS)
404-639-1612 (office)

From: Wais, Ashley <AWais@buttecounty.net>

Sent: Friday, July 25, 2025 2:31 PM

To: 'Bond, Christian R@CDPH' <Christian.Bond@cdph.ca.gov>; Hummadi, Omar@CDPH <Omar.Hummadi@cdph.ca.gov>; Kiang, David@CDPH <David.Kiang@cdph.ca.gov>; Mattioli, Mia Catharine (CDC/NCEZID/DFWED/WDPB) <kuk9@cdc.gov>; Lamba, Katherine@CDPH <Katherine.Lamba@cdph.ca.gov>; Parker, Thomas <TParker@buttecounty.net>; McKeel, Haley (CDC/NCEZID/DFWED/EDLB) <hvw0@cdc.gov>

Cc: Kahler, Amy (CDC/NCEZID/DFWED/WDPB) <ete1@cdc.gov>; Roundtree, Alexis V. (CDC/NCEZID/DFWED/WDPB) (CTR) <hzi5@cdc.gov>; Kunz, Jasen M. (CDC/NCEZID/DFWED/WDPB) <izk0@cdc.gov>; Stainken, Cameron (CDC cdpH.ca.gov) <cameron.stainken@cdph.ca.gov>

Subject: RE: Consultation re: STEC O157 cases exposed to natural recreational water in Butte County, CA

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Hi all-

I spoke with Christian over the phone to discuss the goose scat sample testing. During our discussion, it was decided that it would be best to send the samples over to the CDC lab due to staffing issues at the CDPH lab. I also spoke with Mia and it seems like the CDC lab does have capacity to test those samples. We collected a total of 9 goose scat samples in Cary Blair Transport Medium.

CDC: Please share what location these samples should be shipped to and any other pertinent details (I am assuming these should be shipped with ice packs?). We were not planning on shipping until Monday.

Thank you all for your support with this endeavor. It is greatly appreciated.

Kindly,

Ashley Wais, MPH, CIC®

Epidemiologist

BUTTE COUNTY PUBLIC HEALTH
202 Mira Loma Drive | Oroville, CA 95965

T: 530-552-3950 | M: 530-300-4166

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From: Bond, Christian R@CDPH <Christian.Bond@cdph.ca.gov>

Sent: Friday, July 25, 2025 10:57 AM

To: Wais, Ashley <AWais@buttecounty.net>; Hummadi, Omar@CDPH <Omar.Hummadi@cdph.ca.gov>; Kiang, David@CDPH <David.Kiang@cdph.ca.gov>; Mattioli, Mia Catharine (CDC/NCEZID/DFWED/WDPB) <kuk9@cdc.gov>; Lamba, Katherine@CDPH <Katherine.Lamba@cdph.ca.gov>; Parker, Thomas <TParker@buttecounty.net>; McKeel, Haley (CDC/NCEZID/DFWED/EDLB) <hvw0@cdc.gov>

Cc: Kahler, Amy (CDC/NCEZID/DFWED/WDPB) <ete1@cdc.gov>; Roundtree, Alexis V. (CDC/NCEZID/DFWED/WDPB) (CTR) <hzi5@cdc.gov>; Kunz, Jasen M. (CDC/NCEZID/DFWED/WDPB) <izk0@cdc.gov>; Stainken, Cameron@CDPH <Cameron.Stainken@cdph.ca.gov>

Subject: RE: Consultation re: STEC O157 cases exposed to natural recreational water in Butte County, CA

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Hi Ashley,

My team is extremely short-staffed next week due to other assignments, and we will not have personnel to receive samples on either Tuesday or Wednesday. Would it be possible to send a team member to handoff the samples to my team at a midpoint on Monday morning? Maybe somewhere in Yuba City or Marysville?

Christian Bond
Chief, Emergency Response Unit
California Department of Public Health
(916) 612-3625

Confidential - Low

From: Wais, Ashley <AWais@buttecounty.net>

Sent: Friday, July 25, 2025 10:48 AM

To: Hummadi, Omar@CDPH <Omar.Hummadi@cdph.ca.gov>; Kiang, David@CDPH <David.Kiang@cdph.ca.gov>; Mattioli, Mia Catharine (CDC/NCEZID/DFWED/WDPB) <kuk9@cdc.gov>; Lamba, Katherine@CDPH <Katherine.Lamba@cdph.ca.gov>; Parker, Thomas <TParker@buttecounty.net>; McKeel, Haley (CDC/NCEZID/DFWED/EDLB) <hvw0@cdc.gov>

Cc: Kahler, Amy (CDC/NCEZID/DFWED/WDPB) <ete1@cdc.gov>; Roundtree, Alexis V. (CDC/NCEZID/DFWED/WDPB) (CTR) <hzi5@cdc.gov>; Kunz, Jasen M. (CDC/NCEZID/DFWED/WDPB) <izk0@cdc.gov>; Stainken, Cameron@CDPH <Cameron.Stainken@cdph.ca.gov>; Bond, Christian R@CDPH <Christian.Bond@cdph.ca.gov>

Subject: Re: Consultation re: STEC O157 cases exposed to natural recreational water in Butte County, CA

You don't often get email from awais@buttecounty.net. [Learn why this is important](#)

Hi Omar,

Thank you for the update. We do not plan to ship until Monday. I will let our lab know we are waiting for more details from CDPH regarding shipping method.

Thank you,

Ashley Wais, MPH, CIC®

Epidemiologist

[BUTTE COUNTY PUBLIC HEALTH](#)

[202 Mira Loma Drive | Oroville, CA 95965](#)

T: [530-552-3950](tel:530-552-3950) | M: [530-300-4166](tel:530-300-4166)

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From: Hummadi, Omar@CDPH <Omar.Hummadi@cdph.ca.gov>

Sent: Friday, July 25, 2025 10:26 AM

To: Wais, Ashley <AWais@buttecounty.net>; Kiang, David@CDPH <David.Kiang@cdph.ca.gov>; Mattioli, Mia Catharine (CDC/NCEZID/DFWED/WDPB) <kuk9@cdc.gov>; Lamba, Katherine@CDPH <Katherine.Lamba@cdph.ca.gov>; Parker, Thomas <TParker@buttecounty.net>; McKeel, Haley (CDC/NCEZID/DFWED/EDLB) <hvw0@cdc.gov>

Cc: Kahler, Amy (CDC/NCEZID/DFWED/WDPB) <ete1@cdc.gov>; Roundtree, Alexis V. (CDC/NCEZID/DFWED/WDPB) (CTR) <hzi5@cdc.gov>; Kunz, Jasen M. (CDC/NCEZID/DFWED/WDPB) <izk0@cdc.gov>; Stainken, Cameron@CDPH <Cameron.Stainken@cdph.ca.gov>; Bond, Christian R@CDPH <Christian.Bond@cdph.ca.gov>

Subject: RE: Consultation re: STEC O157 cases exposed to natural recreational water in Butte County, CA

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Hi Ashley,

You are welcome! Please hold off on shipping the samples until I get a confirmation from Christian bond regarding the sample's delivery method.

Yes, ship the samples with ice packs and Butte County PHL chain of custody forms it's perfectly fine 👍

Regards,

Omar Hummadi

Senior Environmental Scientist Specialist

CDPH - FDB - ERU

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From: Wais, Ashley <AWais@buttecounty.net>

Sent: Friday, July 25, 2025 10:05 AM

To: Hummadi, Omar@CDPH <Omar.Hummadi@cdph.ca.gov>; Kiang, David@CDPH <David.Kiang@cdph.ca.gov>; Mattioli, Mia Catharine (CDC/NCEZID/DFWED/WDPB) <kuk9@cdc.gov>; Lamba, Katherine@CDPH <Katherine.Lamba@cdph.ca.gov>; Parker, Thomas <TParker@buttecounty.net>; McKeel, Haley (CDC/NCEZID/DFWED/EDLB) <hvw0@cdc.gov>
Cc: Kahler, Amy (CDC/NCEZID/DFWED/WDPB) <ete1@cdc.gov>; Roundtree, Alexis V. (CDC/NCEZID/DFWED/WDPB) (CTR) <hzi5@cdc.gov>; Kunz, Jasen M. (CDC/NCEZID/DFWED/WDPB) <izk0@cdc.gov>; Stainken, Cameron@CDPH <Cameron.Stainken@cdph.ca.gov>; Bond, Christian R@CDPH <Christian.Bond@cdph.ca.gov>
Subject: RE: Consultation re: STEC O157 cases exposed to natural recreational water in Butte County, CA

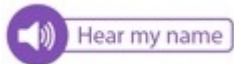
Hi Omar,

Thank you for the update. Should the shipment be on ice packs? Is there any other details we should be aware of? Butte County PHL has their own chain of custody forms. Is it ok to use those?

Thank you,

Ashley Wais, MPH, CIC®

Epidemiologist
[BUTTE COUNTY PUBLIC HEALTH](#)
[202 Mira Loma Drive | Oroville, CA 95965](#)
T: [530-552-3950](tel:530-552-3950) | M: [530-300-4166](tel:530-300-4166)
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From: Hummadi, Omar@CDPH <Omar.Hummadi@cdph.ca.gov>

Sent: Friday, July 25, 2025 7:27 AM

To: Wais, Ashley <AWais@buttecounty.net>; Kiang, David@CDPH <David.Kiang@cdph.ca.gov>; Mattioli, Mia Catharine (CDC/NCEZID/DFWED/WDPB) <kuk9@cdc.gov>; Lamba, Katherine@CDPH <Katherine.Lamba@cdph.ca.gov>; Parker, Thomas <TParker@buttecounty.net>; McKeel, Haley (CDC/NCEZID/DFWED/EDLB) <hvw0@cdc.gov>

Cc: Kahler, Amy (CDC/NCEZID/DFWED/WDPB) <ete1@cdc.gov>; Roundtree, Alexis V. (CDC/NCEZID/DFWED/WDPB) (CTR) <hzi5@cdc.gov>; Kunz, Jasen M. (CDC/NCEZID/DFWED/WDPB) <izk0@cdc.gov>; Stainken, Cameron@CDPH <Cameron.Stainken@cdph.ca.gov>; Bond, Christian R@CDPH <Christian.Bond@cdph.ca.gov>

Subject: RE: Consultation re: STEC O157 cases exposed to natural recreational water in Butte County, CA

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Good morning, everyone!

Ashley - Ship the samples to Christian Bond at:

California Department of Public Health
Food and Drug Branch
1500 Capitol Ave MS 7602
Sacramento, CA, 95814

Note: Please make sure to include all the chain of custody forms/documents.

Happy Friday!

Regards,

Omar Hummadi
Senior Environmental Scientist
Foodborne Illness Outbreak Specialist
Desk Phone: 916-319-9661
Cell phone: 916-591-1374
Fax number: 916-636-6013
E-mail: Omar.Hummadi@cdph.ca.gov

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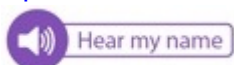
From: Wais, Ashley <AWais@buttecounty.net>
Sent: Friday, July 25, 2025 7:04 AM
To: Kiang, David@CDPH <David.Kiang@cdph.ca.gov>; Mattioli, Mia Catharine (CDC/NCEZID/DFWED/WDPB) <kuk9@cdc.gov>; Lamba, Katherine@CDPH <Katherine.Lamba@cdph.ca.gov>; Parker, Thomas <TParker@buttecounty.net>; McKeel, Haley (CDC/NCEZID/DFWED/EDLB) <hvw0@cdc.gov>; Hummadi, Omar@CDPH <Omar.Hummadi@cdph.ca.gov>
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Subject: Re: Consultation re: STEC O157 cases exposed to natural recreational water in Butte County, CA

Hi Dr. Kiang,

Thank you for this update. We collected goose scat in the tubes with Cary Blair. We should have no more than 10 samples. What is the process for sending to CDPH? Do you usually receive shipments from our Butte County PHL. I just wanted to check in case there is already a process in place we can use.

Thank you,

Ashley Wais, MPH, CIC®
Epidemiologist
[BUTTE COUNTY PUBLIC HEALTH](https://www.buttecounty.net/610/Public-Health)
[202 Mira Loma Drive | Oroville, CA 95965](https://www.buttecounty.net/610/Public-Health)
T: 530-552-3950 | M: 530-300-4166
<https://www.buttecounty.net/610/Public-Health>



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From: Kiang, David@CDPH <David.Kiang@cdph.ca.gov>

Sent: Thursday, July 24, 2025 5:40 PM

To: Mattioli, Mia Catharine (CDC/NCEZID/DFWED/WDPB) <kuk9@cdc.gov>; Lamba, Katherine@CDPH <Katherine.Lamba@cdph.ca.gov>; Wais, Ashley <AWais@buttecounty.net>; Parker, Thomas <TParker@buttecounty.net>; McKeel, Haley (CDC/NCEZID/DFWED/EDLB) <hvw0@cdc.gov>; Hummadi, Omar@CDPH <Omar.Hummadi@cdph.ca.gov>

Cc: Kahler, Amy (CDC/NCEZID/DFWED/WDPB) <ete1@cdc.gov>; Roundtree, Alexis V. (CDC/NCEZID/DFWED/WDPB) (CTR) <hzi5@cdc.gov>; Kunz, Jasen M. (CDC/NCEZID/DFWED/WDPB) <izk0@cdc.gov>; Stainken, Cameron@CDPH <Cameron.Stainken@cdph.ca.gov>; Bond, Christian R@CDPH <Christian.Bond@cdph.ca.gov>; Kiang, David@CDPH <David.Kiang@cdph.ca.gov>

Subject: RE: Consultation re: STEC O157 cases exposed to natural recreational water in Butte County, CA

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Hi Mia,

If they don't have bags, the preference is to collect them as is in the 50 ml conicals. If they're already collected in Cary Blair, It's fine, we can still take them.

Thanks,
David

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From: Mattioli, Mia Catharine (CDC/NCEZID/DFWED/WDPB) <kuk9@cdc.gov>

Sent: Thursday, July 24, 2025 12:35 PM

To: Kiang, David@CDPH <David.Kiang@cdph.ca.gov>; Lamba, Katherine@CDPH <Katherine.Lamba@cdph.ca.gov>; Wais, Ashley <AWais@buttecounty.net>; Parker, Thomas <TParker@buttecounty.net>; McKeel, Haley (CDC/NCEZID/DFWED/EDLB) <hvw0@cdc.gov>; Hummadi, Omar@CDPH <Omar.Hummadi@cdph.ca.gov>

Cc: Kahler, Amy (CDC/NCEZID/DFWED/WDPB) <ete1@cdc.gov>; Roundtree, Alexis V. (CDC/NCEZID/DFWED/WDPB) (CTR) <hzi5@cdc.gov>; Kunz, Jasen M. (CDC/NCEZID/DFWED/WDPB) <izk0@cdc.gov>; Stainken, Cameron@CDPH <Cameron.Stainken@cdph.ca.gov>; Bond, Christian R@CDPH <Christian.Bond@cdph.ca.gov>; Kiang, David@CDPH <David.Kiang@cdph.ca.gov>

Subject: Re: Consultation re: STEC O157 cases exposed to natural recreational water in Butte County, CA

Hi David,

Thanks so much. Unfortunately, the team doesn't have the bags and snips with them in the field. Will you accept them in Cary Blair? If not, they can send the CDC enterics lab.

Thanks!

Mia

Mia Catharine Mattioli
Environmental Engineer
Centers for Disease Control and Prevention (CDC)
Department of Health and Human Services (HHS)
Office: 404-718-5643

From: Kiang, David@CDPH <David.Kiang@cdph.ca.gov>
Sent: Thursday, July 24, 2025 2:51:14 PM
To: Lamba, Katherine@CDPH <Katherine.Lamba@cdph.ca.gov>; Mattioli, Mia Catharine (CDC/NCEZID/DFWED/WDPB) <kuk9@cdc.gov>; Wais, Ashley <AWais@buttecounty.net>; Parker, Thomas <TParker@buttecounty.net>; McKeel, Haley (CDC/NCEZID/DFWED/EDLB) <hvw0@cdc.gov>; Hummadi, Omar@CDPH <Omar.Hummadi@cdph.ca.gov>
Cc: Kahler, Amy (CDC/NCEZID/DFWED/WDPB) <ete1@cdc.gov>; Roundtree, Alexis V. (CDC/NCEZID/DFWED/WDPB) (CTR) <hzy5@cdc.gov>; Kunz, Jasen M. (CDC/NCEZID/DFWED/WDPB) <izk0@cdc.gov>; Stainken, Cameron (CDC cdph.ca.gov) <cameron.stainken@cdph.ca.gov>; Bond, Christian R@CDPH <Christian.Bond@cdph.ca.gov>; Kiang, David@CDPH <David.Kiang@cdph.ca.gov>
Subject: RE: Consultation re: STEC O157 cases exposed to natural recreational water in Butte County, CA

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Hi Kat,

We'd recommend collecting the scat directly into the Whirl-Pak bags using sterile scoops or spatulas as outlined by Omar in the email below and transporting to the FDB on ice packs. We prefer not to have them transported in Cary Blair.

Thanks,
David

David Kiang, PH.D.
Microbiology Section Chief
Food and Drug Laboratory Branch
California Department of Public Health
850 Marina Bay Parkway, G365
Richmond, CA 94804
(510) 412-3963
david.kiang@cdph.ca.gov



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From: Lamba, Katherine@CDPH <Katherine.Lamba@cdph.ca.gov>
Sent: Thursday, July 24, 2025 11:38 AM
To: Mattioli, Mia Catharine (CDC/NCEZID/DFWED/WDPB) <kuk9@cdc.gov>; Wais, Ashley <AWais@buttecounty.net>; Parker, Thomas <TParker@buttecounty.net>; McKeel, Haley (CDC/NCEZID/DFWED/EDLB) <hvw0@cdc.gov>; Hummadi, Omar@CDPH <Omar.Hummadi@cdph.ca.gov>; Kiang, David@CDPH <David.Kiang@cdph.ca.gov>
Cc: Kahler, Amy (CDC/NCEZID/DFWED/WDPB) <ete1@cdc.gov>; Roundtree, Alexis V. (CDC/NCEZID/DFWED/WDPB) (CTR) <hzy5@cdc.gov>; Kunz, Jasen M. (CDC/NCEZID/DFWED/WDPB) <izk0@cdc.gov>; Stainken, Cameron@CDPH <Cameron.Stainken@cdph.ca.gov>; Bond, Christian R@CDPH <Christian.Bond@cdph.ca.gov>
Subject: RE: Consultation re: STEC O157 cases exposed to natural recreational water in Butte County, CA

Hi Mia,

We have some folks out of the office today, so including @Hummadi, Omar@CDPH and @Kiang, David (CDPH-PS-DFDRS-FDLB) from Food and Drug and Food and Drug lab directly to advise which of the containers below for goose scat testing.

Kat

Katherine Lamba, MPH (she/her)
California Department of Public Health
Phone: 510-620-3429 | Email: Katherine.Lamba@cdph.ca.gov

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From: Mattioli, Mia Catharine (CDC/NCEZID/DFWED/WDPB) <kuk9@cdc.gov>
Sent: Thursday, July 24, 2025 11:30 AM
To: Lamba, Katherine@CDPH <Katherine.Lamba@cdph.ca.gov>; Wais, Ashley <AWais@buttecounty.net>; Parker, Thomas <TParker@buttecounty.net>; McKeel, Haley (CDC/NCEZID/DFWED/EDLB) <hvw0@cdc.gov>
Cc: Kahler, Amy (CDC/NCEZID/DFWED/WDPB) <ete1@cdc.gov>; Roundtree, Alexis V. (CDC/NCEZID/DFWED/WDPB)

(CTR) <hzi5@cdc.gov>; Kunz, Jasen M. (CDC/NCEZID/DFWED/WDPB) <izk0@cdc.gov>; Stainken, Cameron@CDPH <Cameron.Stainken@cdph.ca.gov>; Bond, Christian R@CDPH <Christian.Bond@cdph.ca.gov>

Subject: RE: Consultation re: STEC O157 cases exposed to natural recreational water in Butte County, CA

Hi Ashley,

Thanks so much for sending this info! Ashley is out into the field with two 50-ml falcon tubes (empty) and ten 30-ml tubes filled with 15-ml of Cary Blair since that's what the CDC enterics lab recommended.

Which would you prefer she collect samples in for the scat testing?

Thanks!

Mia

Mia Catharine Mattioli
Environmental Engineer
Centers for Disease Control and Prevention (CDC)
Department of Health and Human Services (HHS)
Office: (404) 718-5643

From: Lamba, Katherine@CDPH <Katherine.Lamba@cdph.ca.gov>

Sent: Thursday, July 24, 2025 1:09 PM

To: Wais, Ashley <AWais@buttecounty.net>; Mattioli, Mia Catharine (CDC/NCEZID/DFWED/WDPB) <kuk9@cdc.gov>; Parker, Thomas <TParker@buttecounty.net>; McKeel, Haley (CDC/NCEZID/DFWED/EDLB) <hvw0@cdc.gov>

Cc: Kahler, Amy (CDC/NCEZID/DFWED/WDPB) <ete1@cdc.gov>; Roundtree, Alexis V. (CDC/NCEZID/DFWED/WDPB) (CTR) <hzi5@cdc.gov>; Kunz, Jasen M. (CDC/NCEZID/DFWED/WDPB) <izk0@cdc.gov>; Stainken, Cameron (CDC cdph.ca.gov) <cameron.stainken@cdph.ca.gov>; Bond, Christian R@CDPH <Christian.Bond@cdph.ca.gov>

Subject: RE: Consultation re: STEC O157 cases exposed to natural recreational water in Butte County, CA

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Hi Ashley,

Apologies for the delay. Sharing a few updates after gathering some additional information from our EH and lab folks:

- Goose feces samples can be tested by the CDPH Food and Drug Laboratory Branch. At this time they have capacity to test 10-20 goose feces samples
- Supplies needed for collection:
 - Sterile disposable spatulas or scoop.
 - Sterile 24 oz or 55 oz Whirl-Pak Bags.
 - Gloves.
- Ship the samples along with sealed controls of all the collection supplies that were used, with ice packs (optional) to the below address. The samples will be shipped to the CDPH Food and Drug Branch for logging before forwarded to the laboratory.
- Shipping: Please ship the samples to Christian Bond at:
California Department of Public Health
Food and Drug Branch

1500 Capitol Ave MS 7602
Sacramento, CA, 95814

Please let me know if you have additional questions for our EH/lab team at this time.

Thanks,
Kat

Katherine Lamba, MPH (she/her)
California Department of Public Health
Phone: 510-620-3429 | Email: Katherine.Lamba@cdph.ca.gov

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From: Wais, Ashley <AWais@buttecounty.net>
Sent: Wednesday, July 23, 2025 9:27 AM
To: Lamba, Katherine@CDPH <Katherine.Lamba@cdph.ca.gov>; Mattioli, Mia Catharine (CDC/NCEZID/DFWED/WDPB) <kuk9@cdc.gov>; Parker, Thomas <TParker@buttecounty.net>; McKeel, Haley (CDC/NCEZID/DFWED/EDLB) <hvw0@cdc.gov>
Cc: Kahler, Amy (CDC/NCEZID/DFWED/WDPB) <ete1@cdc.gov>; Roundtree, Alexis V. (CDC/NCEZID/DFWED/WDPB) (CTR) <hzi5@cdc.gov>; Kunz, Jasen M. (CDC/NCEZID/DFWED/WDPB) <izk0@cdc.gov>
Subject: RE: Consultation re: STEC O157 cases exposed to natural recreational water in Butte County, CA

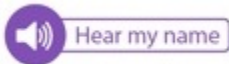
Hi Kat,

Thank you for this update.

If we could have a list of the supplies that would be needed to collect the samples, I can check with our lab to see if we have them.

Thank you,

Ashley Wais, MPH, CIC®
Epidemiologist
[BUTTE COUNTY PUBLIC HEALTH](#)
[202 Mira Loma Drive | Oroville, CA 95965](#)
T: [530-552-3950](tel:530-552-3950) | M: [530-300-4166](tel:530-300-4166)
<https://www.buttecounty.net/610/Public-Health>



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From: Lamba, Katherine@CDPH <Katherine.Lamba@cdph.ca.gov>
Sent: Wednesday, July 23, 2025 9:13 AM
To: Mattioli, Mia Catharine (CDC/NCEZID/DFWED/WDPB) <kuk9@cdc.gov>; Wais, Ashley <AWais@buttecounty.net>; Parker, Thomas <TParker@buttecounty.net>; McKeel, Haley (CDC/NCEZID/DFWED/EDLB) <hvw0@cdc.gov>
Cc: Kahler, Amy (CDC/NCEZID/DFWED/WDPB) <ete1@cdc.gov>; Roundtree, Alexis V. (CDC/NCEZID/DFWED/WDPB) (CTR) <hzy5@cdc.gov>; Kunz, Jasen M. (CDC/NCEZID/DFWED/WDPB) <izk0@cdc.gov>
Subject: RE: Consultation re: STEC O157 cases exposed to natural recreational water in Butte County, CA

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Hi all,

We have capacity at one of our labs for the goose scat testing at CDPH (Food and Drug lab)- I will check with a 2nd (MDL) as well and loop in the appropriate folks regarding # of samples they have capacity to test at this time.

@Wais, Ashley and team, will you need collection supplies? Will get back to you soon with additional information.

Kat

Katherine Lamba, MPH (she/her)
California Department of Public Health
Phone: 510-620-3429 | Email: Katherine.Lamba@cdph.ca.gov

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From: Mattioli, Mia Catharine (CDC/NCEZID/DFWED/WDPB) <kuk9@cdc.gov>
Sent: Wednesday, July 23, 2025 7:49 AM
To: Wais, Ashley <AWais@buttecounty.net>; Parker, Thomas <TParker@buttecounty.net>; McKeel, Haley (CDC/NCEZID/DFWED/EDLB) <hvw0@cdc.gov>; Lamba, Katherine@CDPH <Katherine.Lamba@cdph.ca.gov>
Cc: Kahler, Amy (CDC/NCEZID/DFWED/WDPB) <ete1@cdc.gov>; Roundtree, Alexis V. (CDC/NCEZID/DFWED/WDPB) (CTR) <hzy5@cdc.gov>; Kunz, Jasen M. (CDC/NCEZID/DFWED/WDPB) <izk0@cdc.gov>
Subject: RE: Consultation re: STEC O157 cases exposed to natural recreational water in Butte County, CA

Hi Ashley,

Thanks so much for bringing this up! Unfortunately, our lab can't do the animal fecal the testing, but I thought on the call CDPH lab said they could do the fecal testing similar to Lake Wildwood. @Lamba, Katherine@CDPH, would you be able to check with your lab about the animal fecal testing?

If CDPH is unavailable, CDC enterics may be able to support, but I believe they have limited capacity and need samples collected in transport media (Cary Blair). @McKeel, Haley (CDC/NCEZID/DFWED/EDLB) is that correct?

For scat sampling supplies, we only sent the new plastic tarp I mentioned that is helpful for goose scat if you see a flock when sampling. You can bring crackers to lure them to the tarp, but it can be tricky as you would imagine.

Let me know if helpful to discuss further!

Mia

Mia Catharine Mattioli

Environmental Engineer
Centers for Disease Control and Prevention (CDC)
Department of Health and Human Services (HHS)
Office: (404) 718-5643

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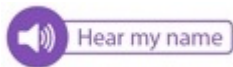
From: Wais, Ashley <AWais@buttecounty.net>
Sent: Tuesday, July 22, 2025 6:57 PM
To: Parker, Thomas <TParker@buttecounty.net>; Mattioli, Mia Catharine (CDC/NCEZID/DFWED/WDPB) <kuk9@cdc.gov>
Cc: Kahler, Amy (CDC/NCEZID/DFWED/WDPB) <ete1@cdc.gov>; Roundtree, Alexis V. (CDC/NCEZID/DFWED/WDPB) (CTR) <hzi5@cdc.gov>; McKeel, Haley (CDC/NCEZID/DFWED/EDLB) <hvw0@cdc.gov>; Lamba, Katherine@CDPH <Katherine.Lamba@cdph.ca.gov>; Kunz, Jasen M. (CDC/NCEZID/DFWED/WDPB) <izk0@cdc.gov>
Subject: RE: Consultation re: STEC O157 cases exposed to natural recreational water in Butte County, CA

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Hi Mia,

Thank you for this insight. Do you have any guidance/recommendations on how to collect animal feces samples (most likely from geese, possibly cattle)? If we are successful in collecting these samples, are we able to include them in the main shipment?

Thank you,
Ashley Wais, MPH, CIC®
Epidemiologist
[BUTTE COUNTY PUBLIC HEALTH](#)
[202 Mira Loma Drive | Oroville, CA 95965](#)
T: [530-552-3950](tel:530-552-3950) | M: [530-300-4166](tel:530-300-4166)
<https://www.buttecounty.net/610/Public-Health>



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From: Parker, Thomas <TParker@buttecounty.net>
Sent: Tuesday, July 22, 2025 2:55 PM
To: 'Mattioli, Mia Catharine (CDC/NCEZID/DFWED/WDPB)' <kuk9@cdc.gov>
Cc: Kahler, Amy (CDC/NCEZID/DFWED/WDPB) <ete1@cdc.gov>; Roundtree, Alexis V. (CDC/NCEZID/DFWED/WDPB) (CTR) <hzi5@cdc.gov>; McKeel, Haley (CDC/NCEZID/DFWED/EDLB) <hvw0@cdc.gov>; Lamba, Katherine@CDPH

<Katherine.Lamba@cdph.ca.gov>; Wais, Ashley <AWais@buttecounty.net>; Kunz, Jasen M.
(CDC/NCEZID/DFWED/WDPB) <izk0@cdc.gov>

Subject: RE: Consultation re: STEC O157 cases exposed to natural recreational water in Butte County, CA

Thank you for all of the information!

Thomas Parker

Program Manager, Hazardous Materials
[BUTTE COUNTY PUBLIC HEALTH](#)
[202 Mira Loma Drive | Oroville, CA 95965](#)
T: 530.552.3870 | D: [530.552.3870](tel:530.552.3870)

**Environmental Health Fees are being amended to include an ECI increase. The fees go into effect 01/01/2024..*

Please refer to our website for online payment and document submittal: [Environmental Health | Butte County, CA](#)

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From: Mattioli, Mia Catharine (CDC/NCEZID/DFWED/WDPB) <kuk9@cdc.gov>

Sent: Tuesday, July 22, 2025 2:43 PM

To: Parker, Thomas <TParker@buttecounty.net>

Cc: Kahler, Amy (CDC/NCEZID/DFWED/WDPB) <ete1@cdc.gov>; Roundtree, Alexis V. (CDC/NCEZID/DFWED/WDPB) (CTR) <hjz5@cdc.gov>; McKeel, Haley (CDC/NCEZID/DFWED/EDLB) <hvw0@cdc.gov>; Lamba, Katherine@CDPH <Katherine.Lamba@cdph.ca.gov>; Wais, Ashley <AWais@buttecounty.net>; Kunz, Jasen M. (CDC/NCEZID/DFWED/WDPB) <izk0@cdc.gov>

Subject: RE: Consultation re: STEC O157 cases exposed to natural recreational water in Butte County, CA

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Sorry for all the emails! I also meant to note that the batteries for the pump have been fully charge so should be ready to go. The pH probe will need to be calibrated in the field due to the dependence on air temperature. However, we have provided the manual and 3 standard solutions with the probe.

Thanks again!

Mia

Mia Catharine Mattioli
Environmental Engineer
Centers for Disease Control and Prevention (CDC)
Department of Health and Human Services (HHS)
Office: (404) 718-5643

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From: Mattioli, Mia Catharine (CDC/NCEZID/DFWED/WDPB)
Sent: Tuesday, July 22, 2025 5:40 PM
To: Parker, Thomas <TParker@buttecounty.net>
Cc: Kahler, Amy (CDC/NCEZID/DFWED/WDPB) <ete1@cdc.gov>; Roundtree, Alexis V. (CDC/NCEZID/DFWED/WDPB) (CTR) <hzi5@cdc.gov>; McKeel, Haley (CDC/NCEZID/DFWED/EDLB) <hvw0@cdc.gov>; Lamba, Katherine@CDPH <Katherine.Lamba@cdph.ca.gov>; Wais, Ashley <AWais@buttecounty.net>; Kunz, Jasen M. (CDC/NCEZID/DFWED/WDPB) <izk0@cdc.gov>
Subject: RE: Consultation re: STEC O157 cases exposed to natural recreational water in Butte County, CA

Apologies for not highlighting this in the quick guide. Please start sampling further **downstream** and move upstream. This will ensure separate parcels of water are sampled at each site from the flowing source.

Thanks again!

Mia

Mia Catharine Mattioli
Environmental Engineer
Centers for Disease Control and Prevention (CDC)
Department of Health and Human Services (HHS)
Office: (404) 718-5643

From: Mattioli, Mia Catharine (CDC/NCEZID/DFWED/WDPB)
Sent: Tuesday, July 22, 2025 5:39 PM
To: Parker, Thomas <TParker@buttecounty.net>
Cc: Kahler, Amy (CDC/NCEZID/DFWED/WDPB) <ete1@cdc.gov>; Roundtree, Alexis V. (CDC/NCEZID/DFWED/WDPB) (CTR) <hzi5@cdc.gov>; McKeel, Haley (CDC/NCEZID/DFWED/EDLB) <hvw0@cdc.gov>; Lamba, Katherine@CDPH <Katherine.Lamba@cdph.ca.gov>; Wais, Ashley <AWais@buttecounty.net>; Kunz, Jasen M. (CDC/NCEZID/DFWED/WDPB) <izk0@cdc.gov>
Subject: RE: Consultation re: STEC O157 cases exposed to natural recreational water in Butte County, CA

Hi Thomas,

The sampling supplies have been shipping and should arrive tomorrow morning (FedEx tracking number **450145173848**).

I've attached a quick guide for sampling and shipping based on our discussion on sampling sites. The shipping information back to CDC is also pasted in this email below, and of note, please ship the samples on ice (not frozen) **first overnight via FedEx**. The ice packs we have provided could not be shipped frozen so please freeze before sampling or use alternative blue ice.

I have also attached our protocol for your reference and an electronic copy of our Chain of Custody form, though both are provided as print outs on a clipboard with the sampling supplies.

Let us know as soon as you can what day you plan to sample. This will help us to plan in the labs for testing. My cell number is [REDACTED] Don't hesitate to call if you have any questions at all.

Thanks!

Mia

Mia Catharine Mattioli
Environmental Engineer

Centers for Disease Control and Prevention (CDC)
Department of Health and Human Services (HHS)
Office: (404) 718-5643

From: Parker, Thomas <TParker@buttecounty.net>

Sent: Tuesday, July 22, 2025 2:46 PM

To: Mattioli, Mia Catharine (CDC/NCEZID/DFWED/WDPB) <kuk9@cdc.gov>; Kahler, Amy (CDC/NCEZID/DFWED/WDPB) <ete1@cdc.gov>

Subject: RE: Consultation re: STEC O157 cases exposed to natural recreational water in Butte County, CA

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No worries, Mia and thanks for the response. That really helps. Will you be sending us a meter for water quality parameters (pH, temp, ect.)? I've used on in the past so I can certainly do that if it is helpful.

Thanks,

Thomas Parker

Program Manager, Hazardous Materials
[BUTTE COUNTY PUBLIC HEALTH](#)
[202 Mira Loma Drive | Oroville, CA 95965](#)
T: 530.552.3870 | D: [530.552.3870](tel:530.552.3870)

**Environmental Health Fees are being amended to include an ECI increase. The fees go into effect 01/01/2024..*

Please refer to our website for online payment and document submittal: [Environmental Health | Butte County, CA](#)

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From: Mattioli, Mia Catharine (CDC/NCEZID/DFWED/WDPB) <kuk9@cdc.gov>

Sent: Tuesday, July 22, 2025 11:34 AM

To: Parker, Thomas <TParker@buttecounty.net>; Kahler, Amy (CDC/NCEZID/DFWED/WDPB) <ete1@cdc.gov>

Subject: RE: Consultation re: STEC O157 cases exposed to natural recreational water in Butte County, CA

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Hi Thomas,

Apologies for the delayed response! We were shipping the supplies to you this morning. I will share the FedEx tracking number ASAP.

For the sediment, yes. That is the correct procedure to collect. Nothing fancy!

We seal the bottles (especially the sediment ones) with parafilm (provided), and then we have a sterile zip-lock bag for you to put that sediment bottle into for secondary containment. We don't use custody seals since this is non-regulatory.

I will be sending you a quick guide list of sampling sites and measurements for each site. But I'd be happy to review with you when you are done. We sincerely appreciate your thoroughness!

Mia

Mia Catharine Mattioli
Environmental Engineer
Centers for Disease Control and Prevention (CDC)
Department of Health and Human Services (HHS)
Office: (404) 718-5643

From: Parker, Thomas <TParker@buttecounty.net>
Sent: Tuesday, July 22, 2025 11:51 AM
To: Kahler, Amy (CDC/NCEZID/DFWED/WDPB) <ete1@cdc.gov>
Cc: Mattioli, Mia Catharine (CDC/NCEZID/DFWED/WDPB) <kuk9@cdc.gov>
Subject: RE: Consultation re: STEC O157 cases exposed to natural recreational water in Butte County, CA

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Hi Amy and Mia- I am finishing up my sampling plan this morning and had a few questions regarding the sediment sampling. My understanding from the phone call is that we will fill a 1 Liter bottle half full with the sediment, using a disposable scoop and drain off as much water as possible. Is this a poly bottle with a wide top or just a normal 1 liter bottle? Also, does the pack you sent contain custody seals as well? I can use tape if not. Also, after I complete my sampling plan, is there a chance one of you can do a quick review to make sure I am not missing anything or have something wrong in the process? I am trying to be as thorough as possible in case we have future sampling and I am not available.

Thanks,

Thomas Parker
Program Manager, Hazardous Materials
[BUTTE COUNTY PUBLIC HEALTH](#)
[202 Mira Loma Drive | Oroville, CA 95965](#)
T: 530.552.3870 | D: [530.552.3870](tel:530.552.3870)

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From: Kahler, Amy (CDC/NCEZID/DFWED/WDPB) <ete1@cdc.gov>
Sent: Monday, July 21, 2025 12:30 PM
To: Parker, Thomas <TParker@buttecounty.net>

Cc: Mattioli, Mia Catharine (CDC/NCEZID/DFWED/WDPB) <kuk9@cdc.gov>

Subject: RE: Consultation re: STEC O157 cases exposed to natural recreational water in Butte County, CA

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Hi Thomas,

We will send you two small-ish batteries to use. Both batteries will fit into the pump case and it will be heavy but portable. In a pinch you can also use the adapter that plugs into the cigarette lighter contraption in a car (I don't know what it's called any more). We'll send the cables for both options – although the battery option is the easiest.

Thanks,
Amy

From: Parker, Thomas <TParker@buttecounty.net>

Sent: Monday, July 21, 2025 3:24 PM

To: Kahler, Amy (CDC/NCEZID/DFWED/WDPB) <ete1@cdc.gov>

Cc: Mattioli, Mia Catharine (CDC/NCEZID/DFWED/WDPB) <kuk9@cdc.gov>

Subject: RE: Consultation re: STEC O157 cases exposed to natural recreational water in Butte County, CA

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Thank you Amy, that is great advice. Another question for you. The peristaltic pump requires a 12-volt battery for power. Would this be a car battery or is there another smaller battery that can be used. Getting a car battery to some of these locations may be difficult.

Thanks,

Thomas Parker

Program Manager, Hazardous Materials

[BUTTE COUNTY PUBLIC HEALTH](#)

[202 Mira Loma Drive | Oroville, CA 95965](#)

T: 530.552.3870 | D: [530.552.3870](tel:530.552.3870)

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From: Kahler, Amy (CDC/NCEZID/DFWED/WDPB) <ete1@cdc.gov>

Sent: Monday, July 21, 2025 12:10 PM

To: Parker, Thomas <TParker@buttecounty.net>

Cc: Mattioli, Mia Catharine (CDC/NCEZID/DFWED/WDPB) <kuk9@cdc.gov>

Subject: RE: Consultation re: STEC O157 cases exposed to natural recreational water in Butte County, CA

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Hi Thomas,

Sometimes the decision about where to collect the water sample is more about the logistics of where you can access the site – so if any locations present logistical challenges in accessing the water, any sample you can take is OK! However, if you have the luxury of choice, I'd say opt for flowing water over stagnant, with one caveat. If the water is flowing too fast, you could have issues keeping the tubing submerged with all the movement. We will send tubing weights you can attach to the tubing with a zip tie to help keep the tubing submerged, but it may also help if the water isn't too turbulent to begin with. With the weights there is a bit of balancing act though. You'll want to keep watch to make sure the tubing doesn't suck up too much sediment. We like to attach the weight several inches up from the end of the tubing so that the tubing end can point up, away from the sediment. We also orient the flow so that the ultrafilter filtrate gets released downstream from the intake – if the water is stagnant, you'll want to make sure the filtrate is released far enough downstream to not disturb the intake water. You can also let the filtrate flow onto the grass/banks if that's not too messy.

Taking the sediment sample downstream of the water intake is exactly the right approach. If this isn't physically possible, you could also wait and take the sediment sample after filtration is complete.

Thanks,
Amy

From: Parker, Thomas <TParker@buttecounty.net>

Sent: Monday, July 21, 2025 2:37 PM

To: Kahler, Amy (CDC/NCEZID/DFWED/WDPB) <ete1@cdc.gov>

Subject: RE: Consultation re: STEC O157 cases exposed to natural recreational water in Butte County, CA

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Thank you, that was my thought regarding the sediment sampling but I was not sure. I scouted out a few locations during my run over the weekend which had both. And thanks for the timeline for collecting the filtered samples. I just went through that part of the protocol so that is reassuring. For the filtered samples, is there a preference between collecting in still water vs faster flowing water? I have not noticed that in the protocol yet. I plan to take the water samples upstream from the sediment samples to avoid any silt/sediment from entering the filtration.

Thanks,

Thomas Parker

Program Manager, Hazardous Materials

[BUTTE COUNTY PUBLIC HEALTH](#)

[202 Mira Loma Drive | Oroville, CA 95965](#)

T: 530.552.3870 | D: [530.552.3870](tel:530.552.3870)

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From: Kahler, Amy (CDC/NCEZID/DFWED/WDPB) <ete1@cdc.gov>
Sent: Monday, July 21, 2025 11:26 AM
To: Parker, Thomas <TParker@buttecounty.net>; Mattioli, Mia Catharine (CDC/NCEZID/DFWED/WDPB) <kuk9@cdc.gov>
Subject: RE: Consultation re: STEC O157 cases exposed to natural recreational water in Butte County, CA

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Hi Thomas,

For the sediment sampling, we recommend going for the more silty sediment, if possible. The ultrafiltration procedure takes about 30 minutes for 50-L of water from start to finish. It will take a few minutes of setup, but once the filter is running you'll get 50-L through in 15-20 minutes at a 3-4 L/min flow rate. Then a few minutes of cleanup and you're on to the next site!

Thanks,
Amy

From: Parker, Thomas <TParker@buttecounty.net>
Sent: Monday, July 21, 2025 1:06 PM
To: Mattioli, Mia Catharine (CDC/NCEZID/DFWED/WDPB) <kuk9@cdc.gov>; Kahler, Amy (CDC/NCEZID/DFWED/WDPB) <ete1@cdc.gov>
Subject: RE: Consultation re: STEC O157 cases exposed to natural recreational water in Butte County, CA

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Thank you Mia. I have just two right now since I have not been able to read the protocol yet.

1. For the sediment sampling, is there a preference between sand or silt? Or does it matter?
2. How long does it typically take to filter the 50 liters of water? I am in the pre-planning stages and need to estimate time out in the field, coupled with my upcoming vacations.

Thanks,

Thomas Parker
Program Manager, Hazardous Materials
[BUTTE COUNTY PUBLIC HEALTH](#)
[202 Mira Loma Drive | Oroville, CA 95965](#)
T: 530.552.3870 | D: [530.552.3870](tel:530.552.3870)

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From: Mattioli, Mia Catharine (CDC/NCEZID/DFWED/WDPB) <kuk9@cdc.gov>

Sent: Monday, July 21, 2025 9:56 AM

To: Parker, Thomas <TParker@buttecounty.net>; Wais, Ashley <AWais@buttecounty.net>; Lamba, Katherine@CDPH <Katherine.Lamba@cdph.ca.gov>; Miko, Shanna (CDC/NCEZID/DFWED/WDPB) <rhu6@cdc.gov>; Beaudoin, Jarett <JBeaudoin@buttecounty.net>

Cc: Stainken, Cameron (CDC cdph.ca.gov) <cameron.stainken@cdph.ca.gov>; Kahler, Amy (CDC/NCEZID/DFWED/WDPB) <ete1@cdc.gov>; Kunz, Jasen M. (CDC/NCEZID/DFWED/WDPB) <izk0@cdc.gov>; Hill, Vincent (CDC/NCEZID/DFWED/WDPB) <veh2@cdc.gov>; McKeel, Haley (CDC/NCEZID/DFWED/EDLB) <hvw0@cdc.gov>; Strockbine, Nancy (CDC/NCEZID/DFWED/EDLB) <nas6@cdc.gov>; McSpadden, Elaine <EMcspadden@buttecounty.net>

Subject: RE: Consultation re: STEC O157 cases exposed to natural recreational water in Butte County, CA

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Hi Thomas,

You can direct those questions to myself and Amy Kahler (ete1@cdc.gov). Look forward to working with you!

Mia

Mia Catharine Mattioli
Environmental Engineer
Centers for Disease Control and Prevention (CDC)
Department of Health and Human Services (HHS)
Office: (404) 718-5643

From: Parker, Thomas <TParker@buttecounty.net>

Sent: Monday, July 21, 2025 12:35 PM

To: Mattioli, Mia Catharine (CDC/NCEZID/DFWED/WDPB) <kuk9@cdc.gov>; Wais, Ashley <AWais@buttecounty.net>; Lamba, Katherine@CDPH <Katherine.Lamba@cdph.ca.gov>; Miko, Shanna (CDC/NCEZID/DFWED/WDPB) <rhu6@cdc.gov>; Beaudoin, Jarett <JBeaudoin@buttecounty.net>

Cc: Stainken, Cameron (CDC cdph.ca.gov) <cameron.stainken@cdph.ca.gov>; Kahler, Amy (CDC/NCEZID/DFWED/WDPB) <ete1@cdc.gov>; Kunz, Jasen M. (CDC/NCEZID/DFWED/WDPB) <izk0@cdc.gov>; Hill, Vincent (CDC/NCEZID/DFWED/WDPB) <veh2@cdc.gov>; McKeel, Haley (CDC/NCEZID/DFWED/EDLB) <hvw0@cdc.gov>; Strockbine, Nancy (CDC/NCEZID/DFWED/EDLB) <nas6@cdc.gov>; McSpadden, Elaine <EMcspadden@buttecounty.net>

Subject: RE: Consultation re: STEC O157 cases exposed to natural recreational water in Butte County, CA

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Thank you Mia. If I have specific questions regarding sampling protocols or procedures, should I direct them to you or someone else?

Thomas Parker

Program Manager, Hazardous Materials
[BUTTE COUNTY PUBLIC HEALTH](#)
[202 Mira Loma Drive | Oroville, CA 95965](#)
T: 530.552.3870 | D: [530.552.3870](#)

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From: Mattioli, Mia Catharine (CDC/NCEZID/DFWED/WDPB) <kuk9@cdc.gov>

Sent: Monday, July 21, 2025 9:26 AM

To: Wais, Ashley <AWais@buttecounty.net>; Lamba, Katherine@CDPH <Katherine.Lamba@cdph.ca.gov>; Miko, Shanna (CDC/NCEZID/DFWED/WDPB) <rhu6@cdc.gov>; Beaudoin, Jarrett <JBeaudoin@buttecounty.net>

Cc: Stainken, Cameron (CDC cdph.ca.gov) <cameron.stainken@cdph.ca.gov>; Kahler, Amy (CDC/NCEZID/DFWED/WDPB) <ete1@cdc.gov>; Kunz, Jasen M. (CDC/NCEZID/DFWED/WDPB) <izk0@cdc.gov>; Hill, Vincent (CDC/NCEZID/DFWED/WDPB) <veh2@cdc.gov>; McKeel, Haley (CDC/NCEZID/DFWED/EDLB) <hvw0@cdc.gov>;

Strockbine, Nancy (CDC/NCEZID/DFWED/EDLB) <nas6@cdc.gov>; McSpadden, Elaine <EMcspadden@buttecounty.net>; Parker, Thomas <TParker@buttecounty.net>

Subject: RE: Consultation re: STEC O157 cases exposed to natural recreational water in Butte County, CA

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Wonderful! We're work to get the supplies and sampling guidance to you asap.

I also realized I didn't answer you other question. The sediment sample you collect will be great to test (O157 is very hardy in sediment). Just be sure to keep it at 4C and ship on ice packs, which we will send. You can wait to send it with the other samples.

Also, you'll have my cell so we can facetime to troubleshoot any issues as well.

Thanks!

Mia

Mia Catharine Mattioli
Environmental Engineer
Centers for Disease Control and Prevention (CDC)
Department of Health and Human Services (HHS)
Office: (404) 718-5643

From: Wais, Ashley <AWais@buttecounty.net>
Sent: Monday, July 21, 2025 12:23 PM
To: Mattioli, Mia Catharine (CDC/NCEZID/DFWED/WDPB) <kuk9@cdc.gov>; Lamba, Katherine@CDPH <Katherine.Lamba@cdph.ca.gov>; Miko, Shanna (CDC/NCEZID/DFWED/WDPB) <rhu6@cdc.gov>; Beaudoin, Jarett <JBeaudoin@buttecounty.net>
Cc: Stainken, Cameron (CDC cdph.ca.gov) <cameron.stainken@cdph.ca.gov>; Kahler, Amy (CDC/NCEZID/DFWED/WDPB) <ete1@cdc.gov>; Kunz, Jasen M. (CDC/NCEZID/DFWED/WDPB) <izk0@cdc.gov>; Hill, Vincent (CDC/NCEZID/DFWED/WDPB) <veh2@cdc.gov>; McKeel, Haley (CDC/NCEZID/DFWED/EDLB) <hvw0@cdc.gov>; Strockbine, Nancy (CDC/NCEZID/DFWED/EDLB) <nas6@cdc.gov>; McSpadden, Elaine <EMcspadden@buttecounty.net>; Parker, Thomas <TParker@buttecounty.net>
Subject: RE: Consultation re: STEC O157 cases exposed to natural recreational water in Butte County, CA

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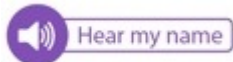
Hi Mia,

Thank you for this insight. Below is the appropriate address to ship the supplies to.

Butte County Environmental Health
ATTN: Tom Parker
202 Mira Loma Drive
Oroville, CA 95965

In the meantime, the Butte County team will review the water sampling protocol shared in the meeting and have internal discussions to confirm sampling locations. I believe that we will have additional questions before we conduct sampling and greatly appreciate the CDC team's support and guidance during this project.

Thank you,
Ashley Wais, MPH, CIC®
Epidemiologist
[BUTTE COUNTY PUBLIC HEALTH](#)
[202 Mira Loma Drive | Oroville, CA 95965](#)
T: [530-552-3950](tel:530-552-3950) | M: [530-300-4166](tel:530-300-4166)
<https://www.buttecounty.net/610/Public-Health>



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From: Mattioli, Mia Catharine (CDC/NCEZID/DFWED/WDPB) <kuk9@cdc.gov>
Sent: Saturday, July 19, 2025 11:31 AM

To: Wais, Ashley <AWais@buttecounty.net>; Lamba, Katherine@CDPH <Katherine.Lamba@cdph.ca.gov>; Miko, Shanna (CDC/NCEZID/DFWED/WDPB) <rhu6@cdc.gov>; Beaudoin, Jarrett <JBeaudoin@buttecounty.net>
Cc: Stainken, Cameron (CDC cdph.ca.gov) <cameron.stainken@cdph.ca.gov>; Kahler, Amy (CDC/NCEZID/DFWED/WDPB) <ete1@cdc.gov>; Kunz, Jasen M. (CDC/NCEZID/DFWED/WDPB) <izk0@cdc.gov>; Hill, Vincent (CDC/NCEZID/DFWED/WDPB) <veh2@cdc.gov>; McKeel, Haley (CDC/NCEZID/DFWED/EDLB) <hvw0@cdc.gov>; Strockbine, Nancy (CDC/NCEZID/DFWED/EDLB) <nas6@cdc.gov>
Subject: RE: Consultation re: STEC O157 cases exposed to natural recreational water in Butte County, CA

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Hi Ashley,

It was great speaking with you all on Friday. We are happy to support sampling and testing of the creek associated with the *E. coli* O157:H7 outbreak.

Based on our discussion, we would recommend water and sediment sampling at the following **5 locations**: the three swimming sites associated with exposure, immediately downstream of the golf course but upstream of the first swimming location, and further upstream where the wildfire sediment deposited. We would test these samples for *E. coli* O157:H7 and generic fecal indicator *E. coli*, as well as microbial source tracking markers specific to feces for birds, ruminants, and humans and markers specific to mitochondria of goose (given the Wildwood association). As mentioned on the call, Amy Irani in Nevada County did the sampling for the Lake Wildwood outbreak and is familiar with our large volume ultrafiltration sampling procedure so we would recommend asking if she can support given that experience.

If you all are OK with this plan, we can provide more details on the sampling and supplies, but first we **need the best address to ship**. Likely the earliest we can get the supplies to you all is Wednesday morning so sampling could occur on Wednesday and Thursday at the earliest. Friday sampling is tricky because Saturday delivery by FedEx is often problematic.

Thanks again for reaching out and look forward to working with you all!

Mia

Mia Catharine Mattioli
Environmental Engineer
Centers for Disease Control and Prevention (CDC)
Department of Health and Human Services (HHS)
Office: (404) 718-5643

From: Wais, Ashley <AWais@buttecounty.net>
Sent: Friday, July 18, 2025 6:45 PM
To: Lamba, Katherine@CDPH <Katherine.Lamba@cdph.ca.gov>; Mattioli, Mia Catharine (CDC/NCEZID/DFWED/WDPB) <kuk9@cdc.gov>; Miko, Shanna (CDC/NCEZID/DFWED/WDPB) <rhu6@cdc.gov>; Beaudoin, Jarrett <JBeaudoin@buttecounty.net>
Cc: Stainken, Cameron (CDC cdph.ca.gov) <cameron.stainken@cdph.ca.gov>; Kahler, Amy (CDC/NCEZID/DFWED/WDPB) <ete1@cdc.gov>; Kunz, Jasen M. (CDC/NCEZID/DFWED/WDPB) <izk0@cdc.gov>; Hill, Vincent (CDC/NCEZID/DFWED/WDPB) <veh2@cdc.gov>; McKeel, Haley (CDC/NCEZID/DFWED/EDLB) <hvw0@cdc.gov>; Strockbine, Nancy (CDC/NCEZID/DFWED/EDLB) <nas6@cdc.gov>
Subject: RE: Consultation re: STEC O157 cases exposed to natural recreational water in Butte County, CA

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Thank you all so much for your time and support with this scenario. We will await further guidance on next steps.

Lastly, the City of Chico collected a sediment sample while conducting their cleaning efforts yesterday. I wanted to confirm if there was a time frame in which that needs to be tested for it to be viable?

 Hear my name

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Subject: RE: Consultation re: STEC O157 cases exposed to natural recreational water in Butte County, CA

Thanks Ashley, updates incorporated in the table below.

Kat

Katherine Lamba, MPH (she/her)
California Department of Public Health
Phone: 510-620-3429 | Email: Katherine.Lamba@cdph.ca.gov

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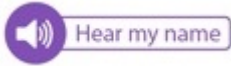
From: Wais, Ashley <AWais@buttecounty.net>
Sent: Thursday, July 17, 2025 4:14 PM
To: Lamba, Katherine@CDPH <Katherine.Lamba@cdph.ca.gov>; 'Mattioli, Mia Catharine (CDC/NCEZID/DFWED/WDPB)' <kuk9@cdc.gov>; Miko, Shanna (CDC/NCEZID/DFWED/WDPB) <rhu6@cdc.gov>; Beaudoin, Jarett <jbeaudoin@buttecounty.net>
Cc: Stainken, Cameron@CDPH <Cameron.Stainken@cdph.ca.gov>; Kahler, Amy (CDC/NCEZID/DFWED/WDPB) <ete1@cdc.gov>; Kunz, Jasen M. (CDC/NCEZID/DFWED/WDPB) <izk0@cdc.gov>; Hill, Vincent (CDC/NCEZID/DFWED/WDPB) <veh2@cdc.gov>; McKeel, Haley (CDC/NCEZID/DFWED/EDLB) <hvw0@cdc.gov>; Strockbine, Nancy (CDC/NCEZID/DFWED/EDLB) <nas6@cdc.gov>
Subject: RE: Consultation re: STEC O157 cases exposed to natural recreational water in Butte County, CA

Hi Kat,

Thank you for this update. For the table below there are a few exposures that need to be updated.

Thank you,

Ashley Wais, MPH, CIC®
Epidemiologist
[BUTTE COUNTY PUBLIC HEALTH](#)
[202 Mira Loma Drive | Oroville, CA 95965](#)
T: [530-552-3950](tel:530-552-3950) | M: [530-300-4166](tel:530-300-4166)
<https://www.buttecounty.net/610/Public-Health>



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From: Lamba, Katherine@CDPH <Katherine.Lamba@cdph.ca.gov>
Sent: Thursday, July 17, 2025 3:55 PM
To: Wais, Ashley <AWais@buttecounty.net>; 'Mattioli, Mia Catharine (CDC/NCEZID/DFWED/WDPB)' <kuk9@cdc.gov>; Miko, Shanna (CDC/NCEZID/DFWED/WDPB) <rhu6@cdc.gov>; Beaudoin, Jarett <jbeaudoin@buttecounty.net>
Cc: Stainken, Cameron@CDPH <Cameron.Stainken@cdph.ca.gov>; Kahler, Amy (CDC/NCEZID/DFWED/WDPB) <ete1@cdc.gov>; Kunz, Jasen M. (CDC/NCEZID/DFWED/WDPB) <izk0@cdc.gov>; Hill, Vincent (CDC/NCEZID/DFWED/WDPB) <veh2@cdc.gov>; McKeel, Haley (CDC/NCEZID/DFWED/EDLB) <hvw0@cdc.gov>; Strockbine, Nancy (CDC/NCEZID/DFWED/EDLB) <nas6@cdc.gov>
Subject: RE: Consultation re: STEC O157 cases exposed to natural recreational water in Butte County, CA

ATTENTION: This message originated from outside **Butte County**. Please exercise judgment before opening attachments, clicking on links, or replying.

Hi all,

[Redacted content]

[Redacted]	[Redacted]	[Redacted]	[Redacted]	[Redacted]	[Redacted]	[Redacted]
[Redacted]	[Redacted]	[Redacted]	[Redacted]	[Redacted]	[Redacted]	[Redacted]
[Redacted]	[Redacted]	[Redacted]	[Redacted]	[Redacted]	[Redacted]	[Redacted]
[Redacted]	[Redacted]	[Redacted]	[Redacted]	[Redacted]	[Redacted]	[Redacted]
[Redacted]	[Redacted]	[Redacted]	[Redacted]	[Redacted]	[Redacted]	[Redacted]
[Redacted]	[Redacted]	[Redacted]	[Redacted]	[Redacted]	[Redacted]	[Redacted]

Thanks,
Kat

Katherine Lamba, MPH (she/her)
California Department of Public Health

Confidential - Low

From: Wais, Ashley <AWais@buttecounty.net>

Sent: Thursday, July 17, 2025 8:56 AM

To: 'Mattioli, Mia Catharine (CDC/NCEZID/DFWED/WDPB)' <kuk9@cdc.gov>; Lamba, Katherine@CDPH <Katherine.Lamba@cdph.ca.gov>; Miko, Shanna (CDC/NCEZID/DFWED/WDPB) <rhu6@cdc.gov>; Beaudoin, Jarett <jbeaudoin@buttecounty.net>

Cc: Stainken, Cameron@CDPH <Cameron.Stainken@cdph.ca.gov>; Kahler, Amy (CDC/NCEZID/DFWED/WDPB) <ete1@cdc.gov>; Kunz, Jasen M. (CDC/NCEZID/DFWED/WDPB) <izk0@cdc.gov>; Hill, Vincent (CDC/NCEZID/DFWED/WDPB) <veh2@cdc.gov>; McKeel, Haley (CDC/NCEZID/DFWED/EDLB) <hvw0@cdc.gov>; Strockbine, Nancy (CDC/NCEZID/DFWED/EDLB) <nas6@cdc.gov>

Subject: RE: Consultation re: STEC O157 cases exposed to natural recreational water in Butte County, CA

Hi Mia,

Thank you for accommodating our tight schedule and consulting with us for this scenario. We have reached out to the City of Chico to see if they can acquire these samples. We are available at 12PM tomorrow for a discussion.

I did have a few questions related to the sample requests:

1. The pool is now drained (see below) and the process for removing sediment is underway. Did the sediment need to be submerged?
2. I am not sure it will be possible to acquire a “mucky water” sample now that the pool is drained. Is there a different type of sample that should be taken or should it be taken from another location (upstream)?

Any insight is appreciated.



Thank you,
Ashley Wais, MPH, CIC®

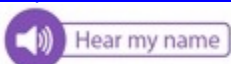
Epidemiologist

[BUTTE COUNTY PUBLIC HEALTH](#)

[202 Mira Loma Drive | Oroville, CA 95965](#)

T: [530-552-3950](#) | M: [530-300-4166](#)

<https://www.buttecounty.net/610/Public-Health>



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From: Mattioli, Mia Catharine (CDC/NCEZID/DFWED/WDPB) <kuk9@cdc.gov>
Sent: Thursday, July 17, 2025 8:31 AM
To: Lamba, Katherine@CDPH <Katherine.Lamba@cdph.ca.gov>; Miko, Shanna (CDC/NCEZID/DFWED/WDPB) <rhu6@cdc.gov>; Wais, Ashley <AWais@buttecounty.net>; Beaudoin, Jarett <jbeaudoin@buttecounty.net>
Cc: Stainken, Cameron (CDC cdph.ca.gov) <cameron.stainken@cdph.ca.gov>; Kahler, Amy (CDC/NCEZID/DFWED/WDPB) <ete1@cdc.gov>; Kunz, Jasen M. (CDC/NCEZID/DFWED/WDPB) <izk0@cdc.gov>; Hill, Vincent (CDC/NCEZID/DFWED/WDPB) <veh2@cdc.gov>; McKeel, Haley (CDC/NCEZID/DFWED/EDLB) <hvw0@cdc.gov>; Strockbine, Nancy (CDC/NCEZID/DFWED/EDLB) <nas6@cdc.gov>
Subject: RE: Consultation re: STEC O157 cases exposed to natural recreational water in Butte County, CA

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Hi Kat,

Thanks so much for proposing times!

CDC is available at the following:

- Friday 7/18: 12pm PST/3PM EST
- Monday 7/21: 1pm PST/4pm EST

Also, if they are cleaning out Sycamore pool, could we ask that someone grab two, 1-L bottles and fill one halfway with the sediment and the other almost full with the mucky water churned up? These can be stored in a fridge (4C) until process. Our lab does this type of testing if not available in CA. These samples will be the best for this type of bug and water source.

Thanks!

Mia

Mia Catharine Mattioli
Environmental Engineer
Centers for Disease Control and Prevention (CDC)
Department of Health and Human Services (HHS)
Office: (404) 718-5643

From: Lamba, Katherine@CDPH <Katherine.Lamba@cdph.ca.gov>
Sent: Wednesday, July 16, 2025 9:22 PM
To: Mattioli, Mia Catharine (CDC/NCEZID/DFWED/WDPB) <kuk9@cdc.gov>; Miko, Shanna (CDC/NCEZID/DFWED/WDPB) <rhu6@cdc.gov>; Wais, Ashley <AWais@buttecounty.net>; Beaudoin, Jarett <jbeaudoin@buttecounty.net>
Cc: Stainken, Cameron (CDC cdph.ca.gov) <cameron.stainken@cdph.ca.gov>; Kahler, Amy (CDC/NCEZID/DFWED/WDPB) <ete1@cdc.gov>; Kunz, Jasen M. (CDC/NCEZID/DFWED/WDPB) <izk0@cdc.gov>; Hill, Vincent (CDC/NCEZID/DFWED/WDPB) <veh2@cdc.gov>; McKeel, Haley (CDC/NCEZID/DFWED/EDLB) <hvw0@cdc.gov>; Strockbine, Nancy (CDC/NCEZID/DFWED/EDLB) <nas6@cdc.gov>
Subject: RE: Consultation re: STEC O157 cases exposed to natural recreational water in Butte County, CA

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Hi all,

Looping in a couple of folks from Butte County directly (Ashley Wais- epi and Dr. Beaudoin, Health Officer) so we can all sort out scheduling for this call.

Looks like scheduling over the next several days may be challenging but hopefully we can sort out a time that works sooner rather than later for the group. Would CDC team by chance be available during any of the following times?

- Thursday 7/17: 12pm PST/3PM EST
- Friday 7/18: 12pm PST/3PM EST
- Monday 7/21: 9am-11am PST (12-2 EST); 1pm PST/4pm EST
 - For Monday these are the slots that work for CDC and CDPH; @Wais, Ashley let us know if any of these work for Butte.

Thank you!
Kat

Katherine Lamba, MPH (she/her)
California Department of Public Health
Phone: 510-620-3429 | Email: Katherine.Lamba@cdph.ca.gov

Confidential - Low

From: Lamba, Katherine@CDPH
Sent: Wednesday, July 16, 2025 2:44 PM
To: Mattioli, Mia Catharine (CDC/NCEZID/DFWED/WDPB) <kuk9@cdc.gov>; Miko, Shanna (CDC/NCEZID/DFWED/WDPB) <rhu6@cdc.gov>
Cc: Stainken, Cameron@CDPH <Cameron.Stainken@cdph.ca.gov>; Kahler, Amy (CDC/NCEZID/DFWED/WDPB) <ete1@cdc.gov>; Kunz, Jasen M. (CDC/NCEZID/DFWED/WDPB) <izk0@cdc.gov>; Hill, Vincent (CDC/NCEZID/DFWED/WDPB) <veh2@cdc.gov>; McKeel, Haley (CDC/NCEZID/DFWED/EDLB) <hvw0@cdc.gov>; Strockbine, Nancy (CDC/NCEZID/DFWED/EDLB) <nas6@cdc.gov>
Subject: RE: Consultation re: STEC O157 cases exposed to natural recreational water in Butte County, CA

[REDACTED]

[REDACTED]

[REDACTED] My thought went to geese flying down from WA 😊 .

Kat

Katherine Lamba, MPH (she/her)
California Department of Public Health
Phone: 510-620-3429 | Email: Katherine.Lamba@cdph.ca.gov

From: Mattioli, Mia Catharine (CDC/NCEZID/DFWED/WDPB) <kuk9@cdc.gov>
Sent: Wednesday, July 16, 2025 2:30 PM
To: Lamba, Katherine@CDPH <Katherine.Lamba@cdph.ca.gov>; Miko, Shanna (CDC/NCEZID/DFWED/WDPB) <rhu6@cdc.gov>
Cc: Stainken, Cameron@CDPH <Cameron.Stainken@cdph.ca.gov>; Kahler, Amy (CDC/NCEZID/DFWED/WDPB) <ete1@cdc.gov>; Kunz, Jasen M. (CDC/NCEZID/DFWED/WDPB) <izk0@cdc.gov>; Hill, Vincent (CDC/NCEZID/DFWED/WDPB) <veh2@cdc.gov>; McKeel, Haley (CDC/NCEZID/DFWED/EDLB) <hvw0@cdc.gov>; Strockbine, Nancy (CDC/NCEZID/DFWED/EDLB) <nas6@cdc.gov>
Subject: RE: Consultation re: STEC O157 cases exposed to natural recreational water in Butte County, CA

Adding our other enterics clinical outbreak SME, Nancy Strockbine, as well.

Thanks!

Mia Catharine Mattioli
Environmental Engineer
Centers for Disease Control and Prevention (CDC)
Department of Health and Human Services (HHS)
Office: (404) 718-5643

From: Mattioli, Mia Catharine (CDC/NCEZID/DFWED/WDPB)
Sent: Wednesday, July 16, 2025 5:28 PM
To: Lamba, Katherine@CDPH <Katherine.Lamba@cdph.ca.gov>; Miko, Shanna (CDC/NCEZID/DFWED/WDPB) <rhu6@cdc.gov>
Cc: Stainken, Cameron (CDC cdph.ca.gov) <cameron.stainken@cdph.ca.gov>; Kahler, Amy (CDC/NCEZID/DFWED/WDPB) <ete1@cdc.gov>; Kunz, Jasen M. (CDC/NCEZID/DFWED/WDPB) <izk0@cdc.gov>; Hill, Vincent (CDC/NCEZID/DFWED/WDPB) <veh2@cdc.gov>; McKeel, Haley (CDC/NCEZID/DFWED/EDLB) <hvw0@cdc.gov>
Subject: RE: Consultation re: STEC O157 cases exposed to natural recreational water in Butte County, CA

OK, thanks so much! This is very close and similar sounding to our Lake Wildwood *E. coli* O157:H7 outbreak in 2017 at almost the exact same time of year. In that case there were Canada geese amplifying the pathogen within the lake. I wonder if there are geese or other birds frequenting these untreated venues as well. I'm including our clinical enterics laboratory SME, Haley McKeel, who was also involved in the 2017 response.

Our team would be available this Friday (7/18) from 12-2 PM EST or next Monday (7/21) after 12 PM EST. If none of those times work for you all, let us know what works best for you, and we can move things on our end.

Thanks again for reaching out!

Mia

Mia Catharine Mattioli
Environmental Engineer
Centers for Disease Control and Prevention (CDC)
Department of Health and Human Services (HHS)
Office: (404) 718-5643

From: Lamba, Katherine@CDPH <Katherine.Lamba@cdph.ca.gov>
Sent: Wednesday, July 16, 2025 5:22 PM
To: Mattioli, Mia Catharine (CDC/NCEZID/DFWED/WDPB) <kuk9@cdc.gov>; Miko, Shanna (CDC/NCEZID/DFWED/WDPB) <rhu6@cdc.gov>
Cc: Stainken, Cameron (CDC cdph.ca.gov) <cameron.stainken@cdph.ca.gov>; Kahler, Amy (CDC/NCEZID/DFWED/WDPB)

<ete1@cdc.gov>; Kunz, Jasen M. (CDC/NCEZID/DFWED/WDPB) <izk0@cdc.gov>; Hill, Vincent (CDC/NCEZID/DFWED/WDPB) <veh2@cdc.gov>

Subject: RE: Consultation re: STEC O157 cases exposed to natural recreational water in Butte County, CA

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Fantastic, thanks! Let me check in with our Butte County colleagues then I will loop them in and can coordinate setting something up. In the meantime if you are able to share some time slots over the next several days that work for your team that would be great.

Yes- Sycamore pool is untreated water.

Kat

Katherine Lamba, MPH (she/her)
California Department of Public Health
Phone: 510-620-3429 | Email: Katherine.Lamba@cdph.ca.gov

Confidential - Low

From: Mattioli, Mia Catharine (CDC/NCEZID/DFWED/WDPB) <kuk9@cdc.gov>
Sent: Wednesday, July 16, 2025 2:11 PM
To: Lamba, Katherine@CDPH <Katherine.Lamba@cdph.ca.gov>; Miko, Shanna (CDC/NCEZID/DFWED/WDPB) <rhu6@cdc.gov>
Cc: Stainken, Cameron@CDPH <Cameron.Stainken@cdph.ca.gov>; Kahler, Amy (CDC/NCEZID/DFWED/WDPB) <ete1@cdc.gov>; Kunz, Jasen M. (CDC/NCEZID/DFWED/WDPB) <izk0@cdc.gov>; Hill, Vincent (CDC/NCEZID/DFWED/WDPB) <veh2@cdc.gov>
Subject: RE: Consultation re: STEC O157 cases exposed to natural recreational water in Butte County, CA

Hi Kat,

Thanks for reaching out! Yes, Shanna and I are the right contacts. Shanna is only leave this week so I've included her back-fill for outbreak support, Jasen Kunz. Jasen can set up a call to discuss sampling and testing. Our lab does both water and sediment testing for *E. coli* O157:H7, and we happy to discuss our sampling and testing methods. Of note, generic *E. coli* tests used for monitoring do *not* detect O157:H7 strains, which means those values alone cannot be used to evaluate risk of pathogen contamination.

Thanks for the outbreak notes as well. Just so I'm clear, this pool is untreated, correct? It is fed by a creek without further treatment?

Let us know if you would like to set up a call or prefer Jasen reach out, and thanks again!

Mia

Mia Catharine Mattioli
Environmental Engineer
Centers for Disease Control and Prevention (CDC)
Department of Health and Human Services (HHS)
Office: (404) 718-5643

From: Lamba, Katherine@CDPH <Katherine.Lamba@cdph.ca.gov>

Sent: Wednesday, July 16, 2025 5:05 PM

To: Mattioli, Mia Catharine (CDC/NCEZID/DFWED/WDPB) <kuk9@cdc.gov>; Miko, Shanna (CDC/NCEZID/DFWED/WDPB) <rhu6@cdc.gov>

Cc: Stainken, Cameron (CDC cdph.ca.gov) <cameron.stainken@cdph.ca.gov>

Subject: Consultation re: STEC O157 cases exposed to natural recreational water in Butte County, CA

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Hi Mia and Shanna,

Hoping you're still the right contacts to reach out to- if not, please forward as needed.

CDPH has been supporting Butte County in the investigation of STEC O157 cases they suspect are associated with a couple of related natural recreational water locations in Chico, CA. Butte County has been in discussions with the City of Chico regarding possible testing of water and sediment for STEC/STEC O157 and they are looking for guidance on sampling methods, interpretation of laboratory results, and considerations around water sampling. We're wondering if you and your team may be available to consult on this situation, possibly via a conference call?

Some background:

- Butte County initially identified 2 cases of STEC O157 [REDACTED], onsets [REDACTED], where exposure to [Sycamore Pool](#) (aka One-Mile recreational area/Bidwell Park) in Chico is the suspected exposure. WGS has been completed for one STEC case and is in process for the 2nd. No other closely related recent STEC isolates have been identified.
 - 1 additional STEC case with onset [REDACTED] and exposure to Sycamore pool on [REDACTED] was subsequently identified.
- Sycamore pool is a man-made concrete swimming 'pool' with fresh natural recreational water and is connected to Big Chico Creek
- On 7/1/25, the City of Chico issued a [swimming advisory](#) at Sycamore pool due to elevated E. coli levels from routine testing. Samples are routinely collected upstream and downstream from Sycamore pool. The [pool is closed 7/16-7/18](#) for routine sediment removal/cleaning.
- Butte County has now identified 2 additional STEC cases, onsets [REDACTED] with exposure to the [Five Mile recreational area](#) in Chico, which is also connected to the Big Chico Creek but is about 3 miles east of Sycamore Pool. WGS is pending to determine if these cases have STEC isolates that are related to cases with Sycamore pool exposure.

Thank you, and Cameron please chime in if I've missed any relevant info.

Kat

Katherine Lamba, MPH (she/her)

Epidemiologist

Disease Investigations Section | Infectious Diseases Branch

Center for Infectious Diseases

California Department of Public Health

Phone: 510-620-3429 | Email: Katherine.Lamba@cdph.ca.gov

IDB-DIS general inbox: IDB-DIS@cdph.ca.gov



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Beaudoin, Jarett

From: Beaudoin, Jarett
Sent: Tuesday, July 29, 2025 1:09 PM
To: Wais, Ashley; 'Lamba, Katherine@CDPH'; Kahler, Amy (CDC/NCEZID/DFWED/WDPB); McKeel, Haley (CDC/NCEZID/DFWED/EDLB); Bond, Christian R@CDPH; Hummadi, Omar@CDPH; Kiang, David@CDPH; Mattioli, Mia Catharine (CDC/NCEZID/DFWED/WDPB); Parker, Thomas
Cc: Roundtree, Alexis V. (CDC/NCEZID/DFWED/WDPB) (CTR); Kunz, Jasen M. (CDC/NCEZID/DFWED/WDPB); Strockbine, Nancy (CDC/NCEZID/DFWED/EDLB); Stainken, Cameron@CDPH
Subject: Re: Consultation re: STEC O157 cases exposed to natural recreational water in Butte County, CA

From: Wais, Ashley <AWais@buttecounty.net>
Sent: Tuesday, July 29, 2025 12:32 PM
To: 'Lamba, Katherine@CDPH' <Katherine.Lamba@cdph.ca.gov>; Kahler, Amy (CDC/NCEZID/DFWED/WDPB) <ete1@cdc.gov>; McKeel, Haley (CDC/NCEZID/DFWED/EDLB) <hvw0@cdc.gov>; Bond, Christian R@CDPH <Christian.Bond@cdph.ca.gov>; Hummadi, Omar@CDPH <Omar.Hummadi@cdph.ca.gov>; Kiang, David@CDPH <David.Kiang@cdph.ca.gov>; Mattioli, Mia Catharine (CDC/NCEZID/DFWED/WDPB) <kuk9@cdc.gov>; Parker, Thomas <TParker@buttecounty.net>; Beaudoin, Jarett <JBeaudoin@buttecounty.net>
Cc: Roundtree, Alexis V. (CDC/NCEZID/DFWED/WDPB) (CTR) <hzj5@cdc.gov>; Kunz, Jasen M. (CDC/NCEZID/DFWED/WDPB) <izk0@cdc.gov>; Strockbine, Nancy (CDC/NCEZID/DFWED/EDLB) <nas6@cdc.gov>; Stainken, Cameron@CDPH <Cameron.Stainken@cdph.ca.gov>
Subject: RE: Consultation re: STEC O157 cases exposed to natural recreational water in Butte County, CA

Thank you Amy and CDC team for this update. We greatly appreciate the quick response! The goose scat samples should arrive at CDC tomorrow.

Thank you again,

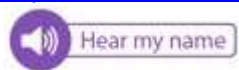
Ashley Wais, MPH, CIC®

Epidemiologist

[BUTTE COUNTY PUBLIC HEALTH](#)
[202 Mira Loma Drive | Oroville, CA 95965](#)

T: [530-552-3950](tel:530-552-3950) | M: [530-300-4166](tel:530-300-4166)

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From: Lamba, Katherine@CDPH <Katherine.Lamba@cdph.ca.gov>
Sent: Tuesday, July 29, 2025 12:27 PM
To: Kahler, Amy (CDC/NCEZID/DFWED/WDPB) <ete1@cdc.gov>; McKeel, Haley (CDC/NCEZID/DFWED/EDLB) <hvw0@cdc.gov>; Wais, Ashley <AWais@buttecounty.net>; Bond, Christian R@CDPH <Christian.Bond@cdph.ca.gov>; Hummadi, Omar@CDPH <Omar.Hummadi@cdph.ca.gov>; Kiang, David@CDPH <David.Kiang@cdph.ca.gov>; Mattioli, Mia Catharine (CDC/NCEZID/DFWED/WDPB) <kuk9@cdc.gov>; Parker, Thomas <TParker@buttecounty.net>
Cc: Roundtree, Alexis V. (CDC/NCEZID/DFWED/WDPB) (CTR) <hzj5@cdc.gov>; Kunz, Jasen M. (CDC/NCEZID/DFWED/WDPB) <izk0@cdc.gov>; Strockbine, Nancy (CDC/NCEZID/DFWED/EDLB) <nas6@cdc.gov>; Stainken, Cameron@CDPH <Cameron.Stainken@cdph.ca.gov>
Subject: RE: Consultation re: STEC O157 cases exposed to natural recreational water in Butte County, CA

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Wow- BIG thank you to the CDC team for the support and the quick laboratory testing!

Quick update on CDPH end- the first 4 isolates sequenced have been given PulseNet cluster code [REDACTED] (no other isolates included in that cluster). Only 1 of the isolates ([REDACTED]) has shown up in NCBI so far and I've been in communication with PulseNet and our lab to sort out some submission/NCBI upload issues.

Kat

Katherine Lamba, MPH (she/her)
California Department of Public Health
Phone: 510-620-3429 | Email: Katherine.Lamba@cdph.ca.gov

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From: Kahler, Amy (CDC/NCEZID/DFWED/WDPB) <ete1@cdc.gov>
Sent: Tuesday, July 29, 2025 12:16 PM
To: McKeel, Haley (CDC/NCEZID/DFWED/EDLB) <hvw0@cdc.gov>; Wais, Ashley <AWais@buttecounty.net>; Bond, Christian R@CDPH <Christian.Bond@cdph.ca.gov>; Hummadi, Omar@CDPH <Omar.Hummadi@cdph.ca.gov>; Kiang, David@CDPH <David.Kiang@cdph.ca.gov>; Mattioli, Mia Catharine (CDC/NCEZID/DFWED/WDPB) <kuk9@cdc.gov>; Lamba, Katherine@CDPH <Katherine.Lamba@cdph.ca.gov>; Parker, Thomas <TParker@buttecounty.net>
Cc: Roundtree, Alexis V. (CDC/NCEZID/DFWED/WDPB) (CTR) <hzj5@cdc.gov>; Kunz, Jasen M. (CDC/NCEZID/DFWED/WDPB) <izk0@cdc.gov>; Strockbine, Nancy (CDC/NCEZID/DFWED/EDLB) <nas6@cdc.gov>; Stainken, Cameron@CDPH <Cameron.Stainken@cdph.ca.gov>
Subject: RE: Consultation re: STEC O157 cases exposed to natural recreational water in Butte County, CA

Hi all,

We wanted to provide a few updates on the progress of environmental testing at CDC. Samples arrived in great condition on Friday and we started processing ASAP. We have detected presumptive-positive O157 isolates that are stx1-negative and stx2-positive from the following sites/samples:

- Sycamore pool water and sediment collected 7/24. There are signs that the sediment collected on 7/17 may also be positive, but our work on those isolates is still pending.
- CCNC water and sediment samples.
- 5 Mile water and sediment samples.

No O157 was detected from the Horeshoe Lake and Aligator Hole sites. We have handed off the presumptive-positive isolates to the Enteric Disease Laboratory Branch for complete workup and confirmation of these preliminary results. We'll also be conducting microbial source tracking PCR for human, ruminant, and bird markers and will follow up with those results as soon as we have them.

Thanks all,
Amy

From: McKeel, Haley (CDC/NCEZID/DFWED/EDLB) <hvw0@cdc.gov>

Sent: Friday, July 25, 2025 9:47 PM

To: Wais, Ashley <AWais@buttecounty.net>; 'Bond, Christian R@CDPH' <Christian.Bond@cdph.ca.gov>; Hummadi, Omar@CDPH <Omar.Hummadi@cdph.ca.gov>; Kiang, David@CDPH <David.Kiang@cdph.ca.gov>; Mattioli, Mia Catharine (CDC/NCEZID/DFWED/WDPB) <kuk9@cdc.gov>; Lamba, Katherine@CDPH <Katherine.Lamba@cdph.ca.gov>; Parker, Thomas <TParker@buttecounty.net>

Cc: Kahler, Amy (CDC/NCEZID/DFWED/WDPB) <ete1@cdc.gov>; Roundtree, Alexis V. (CDC/NCEZID/DFWED/WDPB) (CTR) <hjz5@cdc.gov>; Kunz, Jasen M. (CDC/NCEZID/DFWED/WDPB) <izk0@cdc.gov>; Strockbine, Nancy (CDC/NCEZID/DFWED/EDLB) <nas6@cdc.gov>; Stainken, Cameron (CDC cdph.ca.gov) <cameron.stainken@cdph.ca.gov>

Subject: RE: Consultation re: STEC O157 cases exposed to natural recreational water in Butte County, CA

Hi Ashley,

Thank you for the update and apologies for the delay in responding as I was out of the office today. The Enteric Diseases Laboratory Branch at CDC has capacity to test the geese scat samples; although, the total number may depend on available resources.

The specimens can be shipped to CDC under test order [CDC-10106 | Enteric Isolation - Primary Specimen - Non-CLIA](#) at the following address:

Attn: Haley McKeel
Centers for Disease Control and Prevention
RDSB/STAT Unit 129
1600 Clifton Road, NE
Atlanta, GA 30329
404-639-1612

As a note, all samples must be shipped in accordance with all applicable local, state, and federal regulations. Please ship for next day arrival and include ice packs in the shipment to keep the specimens cool during transit. The CDC website has some additional information regarding packing and shipping specimens: [CDC Fact Sheet](#).

I've attached a copy of our global file accessioning template that will need to be returned by email ahead of the shipment's arrival at CDC. I've prepopulated several of the fields as well as hidden many of the columns to hopefully make it easier to complete. Please populate any relevant columns (including a unique specimen ID (Column BE) for each sample collected) on the Animal tab as well as the Submitter tab with the Butte County information. Any information about the collection sites that are unique between samples would be helpful to note either in the Comments field (column FC) or in the orange Field Collection section.

Please let me know if you have any questions. I'll be back in the office on Tuesday but will be monitoring emails periodically until then as well.

Sincerely,
Haley



Haley McKeel
Microbiologist

Centers for Disease Control and Prevention (CDC)
Department of Health and Human Services (HHS)
404-639-1612 (office)

From: Wais, Ashley <AWais@buttecounty.net>

Sent: Friday, July 25, 2025 2:31 PM

To: 'Bond, Christian R@CDPH' <Christian.Bond@cdph.ca.gov>; Hummadi, Omar@CDPH <Omar.Hummadi@cdph.ca.gov>; Kiang, David@CDPH <David.Kiang@cdph.ca.gov>; Mattioli, Mia Catharine (CDC/NCEZID/DFWED/WDPB) <kuk9@cdc.gov>; Lamba, Katherine@CDPH <Katherine.Lamba@cdph.ca.gov>; Parker, Thomas <TParker@buttecounty.net>; McKeel, Haley (CDC/NCEZID/DFWED/EDLB) <hvw0@cdc.gov>

Cc: Kahler, Amy (CDC/NCEZID/DFWED/WDPB) <ete1@cdc.gov>; Roundtree, Alexis V. (CDC/NCEZID/DFWED/WDPB) (CTR) <hzy5@cdc.gov>; Kunz, Jasen M. (CDC/NCEZID/DFWED/WDPB) <izk0@cdc.gov>; Stainken, Cameron (CDC cdph.ca.gov) <cameron.stainken@cdph.ca.gov>

Subject: RE: Consultation re: STEC O157 cases exposed to natural recreational water in Butte County, CA

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Hi all-

I spoke with Christian over the phone to discuss the goose scat sample testing. During our discussion, it was decided that it would be best to send the samples over to the CDC lab due to staffing issues at the CDPH lab. I also spoke with Mia and it seems like the CDC lab does have capacity to test those samples. We collected a total of 9 goose scat samples in Cary Blair Transport Medium.

CDC: Please share what location these samples should be shipped to and any other pertinent details (I am assuming these should be shipped with ice packs?). We were not planning on shipping until Monday.

Thank you all for your support with this endeavor. It is greatly appreciated.

Kindly,

Ashley Wais, MPH, CIC®

Epidemiologist

[BUTTE COUNTY PUBLIC HEALTH](#)

[202 Mira Loma Drive | Oroville, CA 95965](#)

T: [530-552-3950](tel:530-552-3950) | M: [530-300-4166](tel:530-300-4166)

<https://www.buttecounty.net/610/Public-Health>



Hear my name

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[FACEBOOK](#) | [TWITTER \(X\)](#) | [INSTAGRAM](#) | [YOUTUBE](#)

From: Bond, Christian R@CDPH <Christian.Bond@cdph.ca.gov>

Sent: Friday, July 25, 2025 10:57 AM

To: Wais, Ashley <AWais@buttecounty.net>; Hummadi, Omar@CDPH <Omar.Hummadi@cdph.ca.gov>; Kiang, David@CDPH <David.Kiang@cdph.ca.gov>; Mattioli, Mia Catharine (CDC/NCEZID/DFWED/WDPB) <kuk9@cdc.gov>; Lamba, Katherine@CDPH <Katherine.Lamba@cdph.ca.gov>; Parker, Thomas <TParker@buttecounty.net>; McKeel, Haley (CDC/NCEZID/DFWED/EDLB) <hvw0@cdc.gov>

Cc: Kahler, Amy (CDC/NCEZID/DFWED/WDPB) <ete1@cdc.gov>; Roundtree, Alexis V. (CDC/NCEZID/DFWED/WDPB) (CTR) <hzi5@cdc.gov>; Kunz, Jasen M. (CDC/NCEZID/DFWED/WDPB) <izk0@cdc.gov>; Stainken, Cameron@CDPH <Cameron.Stainken@cdph.ca.gov>

Subject: RE: Consultation re: STEC O157 cases exposed to natural recreational water in Butte County, CA

ATTENTION: This message originated from outside **Butte County**. Please exercise judgment before opening attachments, clicking on links, or replying.

Hi Ashley,

My team is extremely short-staffed next week due to other assignments, and we will not have personnel to receive samples on either Tuesday or Wednesday. Would it be possible to send a team member to handoff the samples to my team at a midpoint on Monday morning? Maybe somewhere in Yuba City or Marysville?

Christian Bond
Chief, Emergency Response Unit
California Department of Public Health
(916) 612-3625

Confidential - Low

From: Wais, Ashley <AWais@buttecounty.net>

Sent: Friday, July 25, 2025 10:48 AM

To: Hummadi, Omar@CDPH <Omar.Hummadi@cdph.ca.gov>; Kiang, David@CDPH <David.Kiang@cdph.ca.gov>; Mattioli, Mia Catharine (CDC/NCEZID/DFWED/WDPB) <kuk9@cdc.gov>; Lamba, Katherine@CDPH <Katherine.Lamba@cdph.ca.gov>; Parker, Thomas <TParker@buttecounty.net>; McKeel, Haley (CDC/NCEZID/DFWED/EDLB) <hvw0@cdc.gov>

Cc: Kahler, Amy (CDC/NCEZID/DFWED/WDPB) <ete1@cdc.gov>; Roundtree, Alexis V. (CDC/NCEZID/DFWED/WDPB) (CTR) <hzi5@cdc.gov>; Kunz, Jasen M. (CDC/NCEZID/DFWED/WDPB) <izk0@cdc.gov>; Stainken, Cameron@CDPH <Cameron.Stainken@cdph.ca.gov>; Bond, Christian R@CDPH <Christian.Bond@cdph.ca.gov>

Subject: Re: Consultation re: STEC O157 cases exposed to natural recreational water in Butte County, CA

You don't often get email from awais@buttecounty.net. [Learn why this is important](#)

Hi Omar,

Thank you for the update. We do not plan to ship until Monday. I will let our lab know we are waiting for more details from CDPH regarding shipping method.

Thank you,

Ashley Wais, MPH, CIC®

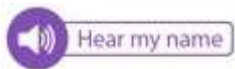
Epidemiologist

[BUTTE COUNTY PUBLIC HEALTH](#)

[202 Mira Loma Drive | Oroville, CA 95965](#)

T: [530-552-3950](#) | M: [530-300-4166](#)

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From: Hummadi, Omar@CDPH <Omar.Hummadi@cdph.ca.gov>

Sent: Friday, July 25, 2025 10:26 AM

To: Wais, Ashley <AWais@buttecounty.net>; Kiang, David@CDPH <David.Kiang@cdph.ca.gov>; Mattioli, Mia Catharine (CDC/NCEZID/DFWED/WDPB) <kuk9@cdc.gov>; Lamba, Katherine@CDPH <Katherine.Lamba@cdph.ca.gov>; Parker, Thomas <TParker@buttecounty.net>; McKeel, Haley (CDC/NCEZID/DFWED/EDLB) <hvw0@cdc.gov>

Cc: Kahler, Amy (CDC/NCEZID/DFWED/WDPB) <ete1@cdc.gov>; Roundtree, Alexis V. (CDC/NCEZID/DFWED/WDPB) (CTR) <hjz5@cdc.gov>; Kunz, Jasen M. (CDC/NCEZID/DFWED/WDPB) <izk0@cdc.gov>; Stainken, Cameron@CDPH <Cameron.Stainken@cdph.ca.gov>; Bond, Christian R@CDPH <Christian.Bond@cdph.ca.gov>

Subject: RE: Consultation re: STEC O157 cases exposed to natural recreational water in Butte County, CA

ATTENTION: This message originated from outside **Butte County**. Please exercise judgment before opening attachments, clicking on links, or replying.

Hi Ashley,

You are welcome! Please hold off on shipping the samples until I get a confirmation from Christian bond regarding the sample's delivery method.

Yes, ship the samples with ice packs and Butte County PHL chain of custody forms it's perfectly fine 👍

Regards,

Omar Hummadi
Senior Environmental Scientist Specialist
CDPH - FDB - ERU

Confidential - Low

From: Wais, Ashley <AWais@buttecounty.net>

Sent: Friday, July 25, 2025 10:05 AM

To: Hummadi, Omar@CDPH <Omar.Hummadi@cdph.ca.gov>; Kiang, David@CDPH <David.Kiang@cdph.ca.gov>; Mattioli, Mia Catharine (CDC/NCEZID/DFWED/WDPB) <kuk9@cdc.gov>; Lamba, Katherine@CDPH <Katherine.Lamba@cdph.ca.gov>; Parker, Thomas <TParker@buttecounty.net>; McKeel, Haley (CDC/NCEZID/DFWED/EDLB) <hvw0@cdc.gov>

Cc: Kahler, Amy (CDC/NCEZID/DFWED/WDPB) <ete1@cdc.gov>; Roundtree, Alexis V. (CDC/NCEZID/DFWED/WDPB) (CTR) <hjz5@cdc.gov>; Kunz, Jasen M. (CDC/NCEZID/DFWED/WDPB) <izk0@cdc.gov>; Stainken, Cameron@CDPH <Cameron.Stainken@cdph.ca.gov>; Bond, Christian R@CDPH <Christian.Bond@cdph.ca.gov>

Subject: RE: Consultation re: STEC O157 cases exposed to natural recreational water in Butte County, CA

Hi Omar,

Thank you for the update. Should the shipment be on ice packs? Is there any other details we should be aware of? Butte County PHL has their own chain of custody forms. Is it ok to use those?

Thank you,

Ashley Wais, MPH, CIC®

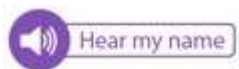
Epidemiologist

[BUTTE COUNTY PUBLIC HEALTH](#)

[202 Mira Loma Drive | Oroville, CA 95965](#)

T: [530-552-3950](tel:530-552-3950) | M: [530-300-4166](tel:530-300-4166)

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From: Hummadi, Omar@CDPH <Omar.Hummadi@cdph.ca.gov>

Sent: Friday, July 25, 2025 7:27 AM

To: Wais, Ashley <AWais@buttecounty.net>; Kiang, David@CDPH <David.Kiang@cdph.ca.gov>; Mattioli, Mia Catharine (CDC/NCEZID/DFWED/WDPB) <kuk9@cdc.gov>; Lamba, Katherine@CDPH <Katherine.Lamba@cdph.ca.gov>; Parker, Thomas <TParker@buttecounty.net>; McKeel, Haley (CDC/NCEZID/DFWED/EDLB) <hvw0@cdc.gov>

Cc: Kahler, Amy (CDC/NCEZID/DFWED/WDPB) <ete1@cdc.gov>; Roundtree, Alexis V. (CDC/NCEZID/DFWED/WDPB) (CTR) <hzi5@cdc.gov>; Kunz, Jasen M. (CDC/NCEZID/DFWED/WDPB) <izk0@cdc.gov>; Stainken, Cameron@CDPH <Cameron.Stainken@cdph.ca.gov>; Bond, Christian R@CDPH <Christian.Bond@cdph.ca.gov>

Subject: RE: Consultation re: STEC O157 cases exposed to natural recreational water in Butte County, CA

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Good morning, everyone!

Ashley - Ship the samples to Christian Bond at:

California Department of Public Health
Food and Drug Branch
1500 Capitol Ave MS 7602
Sacramento, CA, 95814

Note: Please make sure to include all the chain of custody forms/documents.

Happy Friday!

Regards,

Omar Hummadi
Senior Environmental Scientist
Foodborne Illness Outbreak Specialist
Desk Phone: 916-319-9661
Cell phone: 916-591-1374
Fax number: 916-636-6013
E-mail: Omar.Hummadi@cdph.ca.gov

Confidential - Low

From: Wais, Ashley <AWais@buttecounty.net>

Sent: Friday, July 25, 2025 7:04 AM

To: Kiang, David@CDPH <David.Kiang@cdph.ca.gov>; Mattioli, Mia Catharine (CDC/NCEZID/DFWED/WDPB) <kuk9@cdc.gov>; Lamba, Katherine@CDPH <Katherine.Lamba@cdph.ca.gov>; Parker, Thomas

<TParker@buttecounty.net>; McKeel, Haley (CDC/NCEZID/DFWED/EDLB) <hvw0@cdc.gov>; Hummadi, Omar@CDPH <Omar.Hummadi@cdph.ca.gov>

Cc: Kahler, Amy (CDC/NCEZID/DFWED/WDPB) <ete1@cdc.gov>; Roundtree, Alexis V. (CDC/NCEZID/DFWED/WDPB) (CTR) <hjz5@cdc.gov>; Kunz, Jasen M. (CDC/NCEZID/DFWED/WDPB) <izk0@cdc.gov>; Stainken, Cameron@CDPH <Cameron.Stainken@cdph.ca.gov>; Bond, Christian R@CDPH <Christian.Bond@cdph.ca.gov>

Subject: Re: Consultation re: STEC O157 cases exposed to natural recreational water in Butte County, CA

Hi Dr. Kiang,

Thank you for this update. We collected goose scat in the tubes with Cary Blair. We should have no more than 10 samples. What is the process for sending to CDPH? Do you usually receive shipments from our Butte County PHL. I just wanted to check in case there is already a process in place we can use.

Thank you,

Ashley Wais, MPH, CIC®

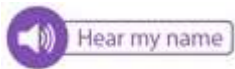
Epidemiologist

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[202 Mira Loma Drive | Oroville, CA 95965](#)

T: [530-552-3950](tel:530-552-3950) | M: [530-300-4166](tel:530-300-4166)

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From: Kiang, David@CDPH <David.Kiang@cdph.ca.gov>

Sent: Thursday, July 24, 2025 5:40 PM

To: Mattioli, Mia Catharine (CDC/NCEZID/DFWED/WDPB) <kuk9@cdc.gov>; Lamba, Katherine@CDPH

<Katherine.Lamba@cdph.ca.gov>; Wais, Ashley <AWais@buttecounty.net>; Parker, Thomas <TParker@buttecounty.net>; McKeel, Haley (CDC/NCEZID/DFWED/EDLB) <hvw0@cdc.gov>; Hummadi, Omar@CDPH <Omar.Hummadi@cdph.ca.gov>
Cc: Kahler, Amy (CDC/NCEZID/DFWED/WDPB) <ete1@cdc.gov>; Roundtree, Alexis V. (CDC/NCEZID/DFWED/WDPB) (CTR) <hzi5@cdc.gov>; Kunz, Jasen M. (CDC/NCEZID/DFWED/WDPB) <izk0@cdc.gov>; Stainken, Cameron@CDPH <Cameron.Stainken@cdph.ca.gov>; Bond, Christian R@CDPH <Christian.Bond@cdph.ca.gov>; Kiang, David@CDPH <David.Kiang@cdph.ca.gov>

Subject: RE: Consultation re: STEC O157 cases exposed to natural recreational water in Butte County, CA

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Hi Mia,

If they don't have bags, the preference is to collect them as is in the 50 ml conicals. If they're already collected in Cary Blair, It's fine, we can still take them.

Thanks,
David

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From: Mattioli, Mia Catharine (CDC/NCEZID/DFWED/WDPB) <kuk9@cdc.gov>
Sent: Thursday, July 24, 2025 12:35 PM
To: Kiang, David@CDPH <David.Kiang@cdph.ca.gov>; Lamba, Katherine@CDPH <Katherine.Lamba@cdph.ca.gov>; Wais, Ashley <AWais@buttecounty.net>; Parker, Thomas <TParker@buttecounty.net>; McKeel, Haley (CDC/NCEZID/DFWED/EDLB) <hvw0@cdc.gov>; Hummadi, Omar@CDPH <Omar.Hummadi@cdph.ca.gov>
Cc: Kahler, Amy (CDC/NCEZID/DFWED/WDPB) <ete1@cdc.gov>; Roundtree, Alexis V. (CDC/NCEZID/DFWED/WDPB) (CTR) <hzi5@cdc.gov>; Kunz, Jasen M. (CDC/NCEZID/DFWED/WDPB) <izk0@cdc.gov>; Stainken, Cameron@CDPH <Cameron.Stainken@cdph.ca.gov>; Bond, Christian R@CDPH <Christian.Bond@cdph.ca.gov>; Kiang, David@CDPH <David.Kiang@cdph.ca.gov>
Subject: Re: Consultation re: STEC O157 cases exposed to natural recreational water in Butte County, CA

Hi David,

Thanks so much. Unfortunately, the team doesn't have the bags and snips with them in the field. Will you accept them in Cary Blair? If not, they can send the CDC enterics lab.

Thanks!

Mia

Mia Catharine Mattioli
Environmental Engineer
Centers for Disease Control and Prevention (CDC)
Department of Health and Human Services (HHS)
Office: 404-718-5643

From: Kiang, David@CDPH <David.Kiang@cdph.ca.gov>

Sent: Thursday, July 24, 2025 2:51:14 PM

To: Lamba, Katherine@CDPH <Katherine.Lamba@cdph.ca.gov>; Mattioli, Mia Catharine (CDC/NCEZID/DFWED/WDPB) <kuk9@cdc.gov>; Wais, Ashley <AWais@buttecounty.net>; Parker, Thomas <TParker@buttecounty.net>; McKeel, Haley (CDC/NCEZID/DFWED/EDLB) <hvw0@cdc.gov>; Hummadi, Omar@CDPH <Omar.Hummadi@cdph.ca.gov>

Cc: Kahler, Amy (CDC/NCEZID/DFWED/WDPB) <ete1@cdc.gov>; Roundtree, Alexis V. (CDC/NCEZID/DFWED/WDPB) (CTR) <hzj5@cdc.gov>; Kunz, Jasen M. (CDC/NCEZID/DFWED/WDPB) <izk0@cdc.gov>; Stainken, Cameron (CDC cdph.ca.gov) <cameron.stainken@cdph.ca.gov>; Bond, Christian R@CDPH <Christian.Bond@cdph.ca.gov>; Kiang, David@CDPH <David.Kiang@cdph.ca.gov>

Subject: RE: Consultation re: STEC O157 cases exposed to natural recreational water in Butte County, CA

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Hi Kat,

We'd recommend collecting the scat directly into the Whirl-Pak bags using sterile scoops or spatulas as outlined by Omar in the email below and transporting to the FDB on ice packs. We prefer not to have them transported in Cary Blair.

Thanks,
David

David Kiang, PH.D.

Microbiology Section Chief

Food and Drug Laboratory Branch

California Department of Public Health

850 Marina Bay Parkway, G365

Richmond, CA 94804

(510) 412-3963

david.kiang@cdph.ca.gov



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From: Lamba, Katherine@CDPH <Katherine.Lamba@cdph.ca.gov>

Sent: Thursday, July 24, 2025 11:38 AM

To: Mattioli, Mia Catharine (CDC/NCEZID/DFWED/WDPB) <kuk9@cdc.gov>; Wais, Ashley <AWais@buttecounty.net>; Parker, Thomas <TParker@buttecounty.net>; McKeel, Haley (CDC/NCEZID/DFWED/EDLB) <hvw0@cdc.gov>; Hummadi, Omar@CDPH <Omar.Hummadi@cdph.ca.gov>; Kiang, David@CDPH <David.Kiang@cdph.ca.gov>

Cc: Kahler, Amy (CDC/NCEZID/DFWED/WDPB) <ete1@cdc.gov>; Roundtree, Alexis V. (CDC/NCEZID/DFWED/WDPB) (CTR) <hzi5@cdc.gov>; Kunz, Jasen M. (CDC/NCEZID/DFWED/WDPB) <izk0@cdc.gov>; Stainken, Cameron@CDPH <Cameron.Stainken@cdph.ca.gov>; Bond, Christian R@CDPH <Christian.Bond@cdph.ca.gov>

Subject: RE: Consultation re: STEC O157 cases exposed to natural recreational water in Butte County, CA

Hi Mia,

We have some folks out of the office today, so including @Hummadi, Omar@CDPH and @Kiang, David (CDPH-PS-DFDRS-FDLB) from Food and Drug and Food and Drug lab directly to advise which of the containers below for goose scat testing.

Kat

Katherine Lamba, MPH (she/her)
California Department of Public Health
Phone: 510-620-3429 | Email: Katherine.Lamba@cdph.ca.gov

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From: Mattioli, Mia Catharine (CDC/NCEZID/DFWED/WDPB) <kuk9@cdc.gov>

Sent: Thursday, July 24, 2025 11:30 AM

To: Lamba, Katherine@CDPH <Katherine.Lamba@cdph.ca.gov>; Wais, Ashley <AWais@buttecounty.net>; Parker, Thomas <TParker@buttecounty.net>; McKeel, Haley (CDC/NCEZID/DFWED/EDLB) <hvw0@cdc.gov>

Cc: Kahler, Amy (CDC/NCEZID/DFWED/WDPB) <ete1@cdc.gov>; Roundtree, Alexis V. (CDC/NCEZID/DFWED/WDPB) (CTR) <hzi5@cdc.gov>; Kunz, Jasen M. (CDC/NCEZID/DFWED/WDPB) <izk0@cdc.gov>; Stainken, Cameron@CDPH <Cameron.Stainken@cdph.ca.gov>; Bond, Christian R@CDPH <Christian.Bond@cdph.ca.gov>

Subject: RE: Consultation re: STEC O157 cases exposed to natural recreational water in Butte County, CA

Hi Ashley,

Thanks so much for sending this info! Ashley is out into the field with two 50-ml falcon tubes (empty) and ten 30-ml tubes filled with 15-ml of Cary Blair since that's what the CDC enterics lab recommended.

Which would you prefer she collect samples in for the scat testing?

Thanks!

Mia

Mia Catharine Mattioli
Environmental Engineer

From: Lamba, Katherine@CDPH <Katherine.Lamba@cdph.ca.gov>

Sent: Thursday, July 24, 2025 1:09 PM

To: Wais, Ashley <AWais@buttecounty.net>; Mattioli, Mia Catharine (CDC/NCEZID/DFWED/WDPB) <kuk9@cdc.gov>; Parker, Thomas <TParker@buttecounty.net>; McKeel, Haley (CDC/NCEZID/DFWED/EDLB) <hvw0@cdc.gov>

Cc: Kahler, Amy (CDC/NCEZID/DFWED/WDPB) <ete1@cdc.gov>; Roundtree, Alexis V. (CDC/NCEZID/DFWED/WDPB) (CTR) <hzi5@cdc.gov>; Kunz, Jasen M. (CDC/NCEZID/DFWED/WDPB) <izk0@cdc.gov>; Stainken, Cameron (CDC cdph.ca.gov) <cameron.stainken@cdph.ca.gov>; Bond, Christian R@CDPH <Christian.Bond@cdph.ca.gov>

Subject: RE: Consultation re: STEC O157 cases exposed to natural recreational water in Butte County, CA

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Hi Ashley,

Apologies for the delay. Sharing a few updates after gathering some additional information from our EH and lab folks:

- Goose feces samples can be tested by the CDPH Food and Drug Laboratory Branch. At this time they have capacity to test 10-20 goose feces samples
- Supplies needed for collection:
 - Sterile disposable spatulas or scoop.
 - Sterile 24 oz or 55 oz Whirl-Pak Bags.
 - Gloves.
- Ship the samples along with sealed controls of all the collection supplies that were used, with ice packs (optional) to the below address. The samples will be shipped to the CDPH Food and Drug Branch for logging before forwarded to the laboratory.
- Shipping: Please ship the samples to Christian Bond at:

California Department of Public Health

Food and Drug Branch

1500 Capitol Ave MS 7602

Sacramento, CA, 95814

Please let me know if you have additional questions for our EH/lab team at this time.

Thanks,
Kat

Katherine Lamba, MPH (she/her)
California Department of Public Health
Phone: 510-620-3429 | Email: Katherine.Lamba@cdph.ca.gov

Confidential - Low

From: Wais, Ashley <AWais@buttecounty.net>
Sent: Wednesday, July 23, 2025 9:27 AM
To: Lamba, Katherine@CDPH <Katherine.Lamba@cdph.ca.gov>; Mattioli, Mia Catharine (CDC/NCEZID/DFWED/WDPB) <kuk9@cdc.gov>; Parker, Thomas <TParker@buttecounty.net>; McKeel, Haley (CDC/NCEZID/DFWED/EDLB) <hvw0@cdc.gov>
Cc: Kahler, Amy (CDC/NCEZID/DFWED/WDPB) <ete1@cdc.gov>; Roundtree, Alexis V. (CDC/NCEZID/DFWED/WDPB) (CTR) <hzi5@cdc.gov>; Kunz, Jasen M. (CDC/NCEZID/DFWED/WDPB) <izk0@cdc.gov>
Subject: RE: Consultation re: STEC O157 cases exposed to natural recreational water in Butte County, CA

Hi Kat,

Thank you for this update.

If we could have a list of the supplies that would be needed to collect the samples, I can check with our lab to see if we have them.

Thank you,

Ashley Wais, MPH, CIC®

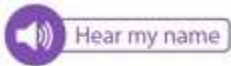
Epidemiologist

[BUTTE COUNTY PUBLIC HEALTH](#)

[202 Mira Loma Drive | Oroville, CA 95965](#)

T: [530-552-3950](tel:530-552-3950) | M: [530-300-4166](tel:530-300-4166)

<https://www.buttecounty.net/610/Public-Health>



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From: Lamba, Katherine@CDPH <Katherine.Lamba@cdph.ca.gov>
Sent: Wednesday, July 23, 2025 9:13 AM
To: Mattioli, Mia Catharine (CDC/NCEZID/DFWED/WDPB) <kuk9@cdc.gov>; Wais, Ashley <AWais@buttecounty.net>; Parker, Thomas <TParker@buttecounty.net>; McKeel, Haley (CDC/NCEZID/DFWED/EDLB) <hvw0@cdc.gov>
Cc: Kahler, Amy (CDC/NCEZID/DFWED/WDPB) <ete1@cdc.gov>; Roundtree, Alexis V. (CDC/NCEZID/DFWED/WDPB) (CTR) <hzi5@cdc.gov>; Kunz, Jasen M. (CDC/NCEZID/DFWED/WDPB) <izk0@cdc.gov>
Subject: RE: Consultation re: STEC O157 cases exposed to natural recreational water in Butte County, CA

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Hi all,

We have capacity at one of our labs for the goose scat testing at CDPH (Food and Drug lab)- I will check with a 2nd (MDL) as well and loop in the appropriate folks regarding # of samples they have capacity to test at this time.

@Wais, Ashley and team, will you need collection supplies? Will get back to you soon with additional information.

Kat

Katherine Lamba, MPH (she/her)
California Department of Public Health
Phone: 510-620-3429 | Email: Katherine.Lamba@cdph.ca.gov

Confidential - Low

From: Mattioli, Mia Catharine (CDC/NCEZID/DFWED/WDPB) <kuk9@cdc.gov>
Sent: Wednesday, July 23, 2025 7:49 AM
To: Wais, Ashley <AWais@buttecounty.net>; Parker, Thomas <TParker@buttecounty.net>; McKeel, Haley (CDC/NCEZID/DFWED/EDLB) <hvw0@cdc.gov>; Lamba, Katherine@CDPH <Katherine.Lamba@cdph.ca.gov>
Cc: Kahler, Amy (CDC/NCEZID/DFWED/WDPB) <ete1@cdc.gov>; Roundtree, Alexis V. (CDC/NCEZID/DFWED/WDPB) (CTR) <hzy5@cdc.gov>; Kunz, Jasen M. (CDC/NCEZID/DFWED/WDPB) <izk0@cdc.gov>
Subject: RE: Consultation re: STEC O157 cases exposed to natural recreational water in Butte County, CA

Hi Ashley,

Thanks so much for bringing this up! Unfortunately, our lab can't do the animal fecal the testing, but I thought on the call CDPH lab said they could do the fecal testing similar to Lake Wildwood. @Lamba, Katherine@CDPH, would you be able to check with your lab about the animal fecal testing?

If CDPH is unavailable, CDC enterics may be able to support, but I believe they have limited capacity and need samples collected in transport media (Cary Blair). @McKeel, Haley (CDC/NCEZID/DFWED/EDLB) is that correct?

For scat sampling supplies, we only sent the new plastic tarp I mentioned that is helpful for goose scat if you see a flock when sampling. You can bring crackers to lure them to the tarp, but it can be tricky as you would imagine.

Let me know if helpful to discuss further!

Mia

Mia Catharine Mattioli
Environmental Engineer
Centers for Disease Control and Prevention (CDC)
Department of Health and Human Services (HHS)
Office: (404) 718-5643

Highly Sensitive/Any User (No encryption)

From: Wais, Ashley <AWais@buttecounty.net>
Sent: Tuesday, July 22, 2025 6:57 PM
To: Parker, Thomas <TParker@buttecounty.net>; Mattioli, Mia Catharine (CDC/NCEZID/DFWED/WDPB) <kuk9@cdc.gov>

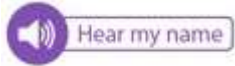
Cc: Kahler, Amy (CDC/NCEZID/DFWED/WDPB) <ete1@cdc.gov>; Roundtree, Alexis V. (CDC/NCEZID/DFWED/WDPB) (CTR) <hzj5@cdc.gov>; McKeel, Haley (CDC/NCEZID/DFWED/EDLB) <hvw0@cdc.gov>; Lamba, Katherine@CDPH <Katherine.Lamba@cdph.ca.gov>; Kunz, Jasen M. (CDC/NCEZID/DFWED/WDPB) <izk0@cdc.gov>
Subject: RE: Consultation re: STEC O157 cases exposed to natural recreational water in Butte County, CA

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Hi Mia,

Thank you for this insight. Do you have any guidance/recommendations on how to collect animal feces samples (most likely from geese, possibly cattle)? If we are successful in collecting these samples, are we able to include them in the main shipment?

Thank you,
Ashley Wais, MPH, CIC®
Epidemiologist
[BUTTE COUNTY PUBLIC HEALTH](#)
[202 Mira Loma Drive | Oroville, CA 95965](#)
T: [530-552-3950](tel:530-552-3950) | M: [530-300-4166](tel:530-300-4166)
<https://www.buttecounty.net/610/Public-Health>



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From: Parker, Thomas <TParker@buttecounty.net>
Sent: Tuesday, July 22, 2025 2:55 PM
To: 'Mattioli, Mia Catharine (CDC/NCEZID/DFWED/WDPB)' <kuk9@cdc.gov>
Cc: Kahler, Amy (CDC/NCEZID/DFWED/WDPB) <ete1@cdc.gov>; Roundtree, Alexis V. (CDC/NCEZID/DFWED/WDPB) (CTR) <hzj5@cdc.gov>; McKeel, Haley (CDC/NCEZID/DFWED/EDLB) <hvw0@cdc.gov>; Lamba, Katherine@CDPH <Katherine.Lamba@cdph.ca.gov>; Wais, Ashley <AWais@buttecounty.net>; Kunz, Jasen M. (CDC/NCEZID/DFWED/WDPB) <izk0@cdc.gov>
Subject: RE: Consultation re: STEC O157 cases exposed to natural recreational water in Butte County, CA

Thank you for all of the information!

Thomas Parker
Program Manager, Hazardous Materials
[BUTTE COUNTY PUBLIC HEALTH](#)
[202 Mira Loma Drive | Oroville, CA 95965](#)
T: 530.552.3870 | D: [530.552.3870](tel:530.552.3870)

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From: Mattioli, Mia Catharine (CDC/NCEZID/DFWED/WDPB) <kuk9@cdc.gov>

Sent: Tuesday, July 22, 2025 2:43 PM

To: Parker, Thomas <TParker@buttecounty.net>

Cc: Kahler, Amy (CDC/NCEZID/DFWED/WDPB) <ete1@cdc.gov>; Roundtree, Alexis V. (CDC/NCEZID/DFWED/WDPB) (CTR) <hzi5@cdc.gov>; McKeel, Haley (CDC/NCEZID/DFWED/EDLB) <hvw0@cdc.gov>; Lamba, Katherine@CDPH <Katherine.Lamba@cdph.ca.gov>; Wais, Ashley <AWais@buttecounty.net>; Kunz, Jasen M. (CDC/NCEZID/DFWED/WDPB) <izk0@cdc.gov>

Subject: RE: Consultation re: STEC O157 cases exposed to natural recreational water in Butte County, CA

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Sorry for all the emails! I also meant to note that the batteries for the pump have been fully charge so should be ready to go. The pH probe will need to be calibrated in the field due to the dependence on air temperature. However, we have provided the manual and 3 standard solutions with the probe.

Thanks again!

Mia

Mia Catharine Mattioli
Environmental Engineer
Centers for Disease Control and Prevention (CDC)
Department of Health and Human Services (HHS)
Office: (404) 718-5643

Highly Sensitive/Any User (No encryption)

From: Mattioli, Mia Catharine (CDC/NCEZID/DFWED/WDPB)

Sent: Tuesday, July 22, 2025 5:40 PM

To: Parker, Thomas <TParker@buttecounty.net>

Cc: Kahler, Amy (CDC/NCEZID/DFWED/WDPB) <ete1@cdc.gov>; Roundtree, Alexis V. (CDC/NCEZID/DFWED/WDPB) (CTR) <hzi5@cdc.gov>; McKeel, Haley (CDC/NCEZID/DFWED/EDLB) <hvw0@cdc.gov>; Lamba, Katherine@CDPH <Katherine.Lamba@cdph.ca.gov>; Wais, Ashley <AWais@buttecounty.net>; Kunz, Jasen M. (CDC/NCEZID/DFWED/WDPB) <izk0@cdc.gov>

Subject: RE: Consultation re: STEC O157 cases exposed to natural recreational water in Butte County, CA

Apologies for not highlighting this in the quick guide. Please start sampling furthers **downstream** and move upstream. This will ensure separate parcels of water are sampled at each site from the flowing source.

Thanks again!

Mia

Mia Catharine Mattioli
Environmental Engineer
Centers for Disease Control and Prevention (CDC)
Department of Health and Human Services (HHS)
Office: (404) 718-5643

From: Mattioli, Mia Catharine (CDC/NCEZID/DFWED/WDPB)
Sent: Tuesday, July 22, 2025 5:39 PM
To: Parker, Thomas <TParker@buttecounty.net>
Cc: Kahler, Amy (CDC/NCEZID/DFWED/WDPB) <ete1@cdc.gov>; Roundtree, Alexis V. (CDC/NCEZID/DFWED/WDPB) (CTR) <hzi5@cdc.gov>; McKeel, Haley (CDC/NCEZID/DFWED/EDLB) <hvw0@cdc.gov>; Lamba, Katherine@CDPH <Katherine.Lamba@cdph.ca.gov>; Wais, Ashley <AWais@buttecounty.net>; Kunz, Jasen M. (CDC/NCEZID/DFWED/WDPB) <izk0@cdc.gov>
Subject: RE: Consultation re: STEC O157 cases exposed to natural recreational water in Butte County, CA

Hi Thomas,

The sampling supplies have been shipping and should arrive tomorrow morning (FedEx tracking number **450145173848**).

I've attached a quick guide for sampling and shipping based on our discussion on sampling sites. The shipping information back to CDC is also pasted in this email below, and of note, please ship the samples on ice (not frozen) **first overnight via FedEx**. The ice packs we have provided could not be shipped frozen so please freeze before sampling or use alternative blue ice.

I have also attached our protocol for your reference and an electronic copy of our Chain of Custody form, though both are provided as print outs on a clipboard with the sampling supplies.

Let us know as soon as you can what day you plan to sample. This will help us to plan in the labs for testing.

My cell number is [REDACTED] Don't hesitate to call if you have any questions at all.

Thanks!

Mia

Mia Catharine Mattioli
Environmental Engineer
Centers for Disease Control and Prevention (CDC)
Department of Health and Human Services (HHS)
Office: (404) 718-5643

From: Parker, Thomas <TParker@buttecounty.net>
Sent: Tuesday, July 22, 2025 2:46 PM
To: Mattioli, Mia Catharine (CDC/NCEZID/DFWED/WDPB) <kuk9@cdc.gov>; Kahler, Amy (CDC/NCEZID/DFWED/WDPB) <ete1@cdc.gov>
Subject: RE: Consultation re: STEC O157 cases exposed to natural recreational water in Butte County, CA

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No worries, Mia and thanks for the response. That really helps. Will you be sending us a meter for water quality parameters (pH, temp, ect.)? I've used on in the past so I can certainly do that if it is helpful.

Thanks,

Thomas Parker

Program Manager, Hazardous Materials
[BUTTE COUNTY PUBLIC HEALTH](#)
[202 Mira Loma Drive | Oroville, CA 95965](#)
T: 530.552.3870 | D: [530.552.3870](#)

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From: Mattioli, Mia Catharine (CDC/NCEZID/DFWED/WDPB) <kuk9@cdc.gov>

Sent: Tuesday, July 22, 2025 11:34 AM

To: Parker, Thomas <TParker@buttecounty.net>; Kahler, Amy (CDC/NCEZID/DFWED/WDPB) <ete1@cdc.gov>

Subject: RE: Consultation re: STEC O157 cases exposed to natural recreational water in Butte County, CA

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Hi Thomas,

Apologies for the delayed response! We were shipping the supplies to you this morning. I will share the FedEx tracking number ASAP.

For the sediment, yes. That is the correct procedure to collect. Nothing fancy!

We seal the bottles (especially the sediment ones) with parafilm (provided), and then we have a sterile zip-lock bag for you to put that sediment bottle into for secondary containment. We don't use custody seals since this is non-regulatory.

I will be sending you a quick guide list of sampling sites and measurements for each site. But I'd be happy to review with you when you are done. We sincerely appreciate your thoroughness!

Mia

Mia Catharine Mattioli
Environmental Engineer
Centers for Disease Control and Prevention (CDC)

From: Parker, Thomas <TParker@buttecounty.net>
Sent: Tuesday, July 22, 2025 11:51 AM
To: Kahler, Amy (CDC/NCEZID/DFWED/WDPB) <ete1@cdc.gov>
Cc: Mattioli, Mia Catharine (CDC/NCEZID/DFWED/WDPB) <kuk9@cdc.gov>
Subject: RE: Consultation re: STEC O157 cases exposed to natural recreational water in Butte County, CA

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Hi Amy and Mia- I am finishing up my sampling plan this morning and had a few questions regarding the sediment sampling. My understanding from the phone call is that we will fill a 1 Liter bottle half full with the sediment, using a disposable scoop and drain off as much water as possible. Is this a poly bottle with a wide top or just a normal 1 liter bottle? Also, does the pack you sent contain custody seals as well? I can use tape if not. Also, after I complete my sampling plan, is there a chance one of you can do a quick review to make sure I am not missing anything or have something wrong in the process? I am trying to be as thorough as possible in case we have future sampling and I am not available.

Thanks,

Thomas Parker

Program Manager, Hazardous Materials
[BUTTE COUNTY PUBLIC HEALTH](#)
[202 Mira Loma Drive | Oroville, CA 95965](#)
T: 530.552.3870 | D: [530.552.3870](tel:530.552.3870)

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From: Kahler, Amy (CDC/NCEZID/DFWED/WDPB) <ete1@cdc.gov>
Sent: Monday, July 21, 2025 12:30 PM
To: Parker, Thomas <TParker@buttecounty.net>
Cc: Mattioli, Mia Catharine (CDC/NCEZID/DFWED/WDPB) <kuk9@cdc.gov>
Subject: RE: Consultation re: STEC O157 cases exposed to natural recreational water in Butte County, CA

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Hi Thomas,

We will send you two small-ish batteries to use. Both batteries will fit into the pump case and it will be heavy but portable. In a pinch you can also use the adapter that plugs into the cigarette lighter contraption in a car (I don't know what it's called any more). We'll send the cables for both options – although the battery option is the easiest.

Thanks,
Amy

From: Parker, Thomas <TParker@buttecounty.net>
Sent: Monday, July 21, 2025 3:24 PM
To: Kahler, Amy (CDC/NCEZID/DFWED/WDPB) <ete1@cdc.gov>
Cc: Mattioli, Mia Catharine (CDC/NCEZID/DFWED/WDPB) <kuk9@cdc.gov>
Subject: RE: Consultation re: STEC O157 cases exposed to natural recreational water in Butte County, CA

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Thank you Amy, that is great advice. Another question for you. The peristaltic pump requires a 12-volt battery for power. Would this be a car battery or is there another smaller battery that can be used. Getting a car battery to some of these locations may be difficult.

Thanks,

Thomas Parker
Program Manager, Hazardous Materials
[BUTTE COUNTY PUBLIC HEALTH](#)
[202 Mira Loma Drive | Oroville, CA 95965](#)
T: 530.552.3870 | D: [530.552.3870](tel:530.552.3870)

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From: Kahler, Amy (CDC/NCEZID/DFWED/WDPB) <ete1@cdc.gov>
Sent: Monday, July 21, 2025 12:10 PM
To: Parker, Thomas <TParker@buttecounty.net>
Cc: Mattioli, Mia Catharine (CDC/NCEZID/DFWED/WDPB) <kuk9@cdc.gov>
Subject: RE: Consultation re: STEC O157 cases exposed to natural recreational water in Butte County, CA

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Hi Thomas,

Sometimes the decision about where to collect the water sample is more about the logistics of where you can access the site – so if any locations present logistical challenges in accessing the water, any sample you can take is OK! However, if

you have the luxury of choice, I'd say opt for flowing water over stagnant, with one caveat. If the water is flowing too fast, you could have issues keeping the tubing submerged with all the movement. We will send tubing weights you can attach to the tubing with a zip tie to help keep the tubing submerged, but it may also help if the water isn't too turbulent to begin with. With the weights there is a bit of balancing act though. You'll want to keep watch to make sure the tubing doesn't suck up too much sediment. We like to attach the weight several inches up from the end of the tubing so that the tubing end can point up, away from the sediment. We also orient the flow so that the ultrafilter filtrate gets released downstream from the intake – if the water is stagnant, you'll want to make sure the filtrate is released far enough downstream to not disturb the intake water. You can also let the filtrate flow onto the grass/banks if that's not too messy.

Taking the sediment sample downstream of the water intake is exactly the right approach. If this isn't physically possible, you could also wait and take the sediment sample after filtration is complete.

Thanks,
Amy

From: Parker, Thomas <TParker@buttecounty.net>
Sent: Monday, July 21, 2025 2:37 PM
To: Kahler, Amy (CDC/NCEZID/DFWED/WDPB) <ete1@cdc.gov>
Subject: RE: Consultation re: STEC O157 cases exposed to natural recreational water in Butte County, CA

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Thank you, that was my thought regarding the sediment sampling but I was not sure. I scouted out a few locations during my run over the weekend which had both. And thanks for the timeline for collecting the filtered samples. I just went through that part of the protocol so that is reassuring. For the filtered samples, is there a preference between collecting in still water vs faster flowing water? I have not noticed that in the protocol yet. I plan to take the water samples upstream from the sediment samples to avoid any silt/sediment from entering the filtration.

Thanks,

Thomas Parker
Program Manager, Hazardous Materials
[BUTTE COUNTY PUBLIC HEALTH](#)
[202 Mira Loma Drive | Oroville, CA 95965](#)
T: 530.552.3870 | D: [530.552.3870](tel:530.552.3870)

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From: Kahler, Amy (CDC/NCEZID/DFWED/WDPB) <ete1@cdc.gov>
Sent: Monday, July 21, 2025 11:26 AM
To: Parker, Thomas <TParker@buttecounty.net>; Mattioli, Mia Catharine (CDC/NCEZID/DFWED/WDPB)

<kuk9@cdc.gov>

Subject: RE: Consultation re: STEC O157 cases exposed to natural recreational water in Butte County, CA

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Hi Thomas,

For the sediment sampling, we recommend going for the more silty sediment, if possible. The ultrafiltration procedure takes about 30 minutes for 50-L of water from start to finish. It will take a few minutes of setup, but once the filter is running you'll get 50-L through in 15-20 minutes at a 3-4 L/min flow rate. Then a few minutes of cleanup and you're on to the next site!

Thanks,
Amy

From: Parker, Thomas <TParker@buttecounty.net>

Sent: Monday, July 21, 2025 1:06 PM

To: Mattioli, Mia Catharine (CDC/NCEZID/DFWED/WDPB) <kuk9@cdc.gov>; Kahler, Amy (CDC/NCEZID/DFWED/WDPB) <ete1@cdc.gov>

Subject: RE: Consultation re: STEC O157 cases exposed to natural recreational water in Butte County, CA

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Thank you Mia. I have just two right now since I have not been able to read the protocol yet.

1. For the sediment sampling, is there a preference between sand or silt? Or does it matter?
2. How long does it typically take to filter the 50 liters of water? I am in the pre-planning stages and need to estimate time out in the field, coupled with my upcoming vacations.

Thanks,

Thomas Parker

Program Manager, Hazardous Materials

[BUTTE COUNTY PUBLIC HEALTH](#)

[202 Mira Loma Drive | Oroville, CA 95965](#)

T: 530.552.3870 | D: [530.552.3870](#)

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Please refer to our website for online payment and document submittal: [Environmental Health | Butte County, CA](#)

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From: Mattioli, Mia Catharine (CDC/NCEZID/DFWED/WDPB) <kuk9@cdc.gov>
Sent: Monday, July 21, 2025 9:56 AM
To: Parker, Thomas <TParker@buttecounty.net>; Wais, Ashley <AWais@buttecounty.net>; Lamba, Katherine@CDPH <Katherine.Lamba@cdph.ca.gov>; Miko, Shanna (CDC/NCEZID/DFWED/WDPB) <rhu6@cdc.gov>; Beaudoin, Jarett <JBeaudoin@buttecounty.net>
Cc: Stainken, Cameron (CDC cdph.ca.gov) <cameron.stainken@cdph.ca.gov>; Kahler, Amy (CDC/NCEZID/DFWED/WDPB) <ete1@cdc.gov>; Kunz, Jasen M. (CDC/NCEZID/DFWED/WDPB) <izk0@cdc.gov>; Hill, Vincent (CDC/NCEZID/DFWED/WDPB) <veh2@cdc.gov>; McKeel, Haley (CDC/NCEZID/DFWED/EDLB) <hvw0@cdc.gov>; Strockbine, Nancy (CDC/NCEZID/DFWED/EDLB) <nas6@cdc.gov>; McSpadden, Elaine <EMcspadden@buttecounty.net>
Subject: RE: Consultation re: STEC O157 cases exposed to natural recreational water in Butte County, CA

ATTENTION: This message originated from outside **Butte County**. Please exercise judgment before opening attachments, clicking on links, or replying.

Hi Thomas,

You can direct those questions to myself and Amy Kahler (ete1@cdc.gov). Look forward to working with you!

Mia

Mia Catharine Mattioli
Environmental Engineer
Centers for Disease Control and Prevention (CDC)
Department of Health and Human Services (HHS)
Office: (404) 718-5643

From: Parker, Thomas <TParker@buttecounty.net>
Sent: Monday, July 21, 2025 12:35 PM
To: Mattioli, Mia Catharine (CDC/NCEZID/DFWED/WDPB) <kuk9@cdc.gov>; Wais, Ashley <AWais@buttecounty.net>; Lamba, Katherine@CDPH <Katherine.Lamba@cdph.ca.gov>; Miko, Shanna (CDC/NCEZID/DFWED/WDPB) <rhu6@cdc.gov>; Beaudoin, Jarett <JBeaudoin@buttecounty.net>
Cc: Stainken, Cameron (CDC cdph.ca.gov) <cameron.stainken@cdph.ca.gov>; Kahler, Amy (CDC/NCEZID/DFWED/WDPB) <ete1@cdc.gov>; Kunz, Jasen M. (CDC/NCEZID/DFWED/WDPB) <izk0@cdc.gov>; Hill, Vincent (CDC/NCEZID/DFWED/WDPB) <veh2@cdc.gov>; McKeel, Haley (CDC/NCEZID/DFWED/EDLB) <hvw0@cdc.gov>; Strockbine, Nancy (CDC/NCEZID/DFWED/EDLB) <nas6@cdc.gov>; McSpadden, Elaine <EMcspadden@buttecounty.net>
Subject: RE: Consultation re: STEC O157 cases exposed to natural recreational water in Butte County, CA

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Thank you Mia. If I have specific questions regarding sampling protocols or procedures, should I direct them to you or someone else?

Thomas Parker
Program Manager, Hazardous Materials
[BUTTE COUNTY PUBLIC HEALTH](#)
[202 Mira Loma Drive | Oroville, CA 95965](#)
T: 530.552.3870 | D: [530.552.3870](tel:530.552.3870)

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From: Mattioli, Mia Catharine (CDC/NCEZID/DFWED/WDPB) <kuk9@cdc.gov>

Sent: Monday, July 21, 2025 9:26 AM

To: Wais, Ashley <AWais@buttecounty.net>; Lamba, Katherine@CDPH <Katherine.Lamba@cdph.ca.gov>; Miko, Shanna (CDC/NCEZID/DFWED/WDPB) <rhu6@cdc.gov>; Beaudoin, Jarett <JBeaudoin@buttecounty.net>

Cc: Stainken, Cameron (CDC cdph.ca.gov) <cameron.stainken@cdph.ca.gov>; Kahler, Amy (CDC/NCEZID/DFWED/WDPB) <ete1@cdc.gov>; Kunz, Jasen M. (CDC/NCEZID/DFWED/WDPB) <izk0@cdc.gov>; Hill, Vincent (CDC/NCEZID/DFWED/WDPB) <veh2@cdc.gov>; McKeel, Haley (CDC/NCEZID/DFWED/EDLB) <hvw0@cdc.gov>; Strockbine, Nancy (CDC/NCEZID/DFWED/EDLB) <nas6@cdc.gov>; McSpadden, Elaine <EMcspadden@buttecounty.net>; Parker, Thomas <TParker@buttecounty.net>

Subject: RE: Consultation re: STEC O157 cases exposed to natural recreational water in Butte County, CA

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Wonderful! We're work to get the supplies and sampling guidance to you asap.

I also realized I didn't answer you other question. The sediment sample you collect will be great to test (O157 is very hardy in sediment). Just be sure to keep it at 4C and ship on ice packs, which we will send. You can wait to send it with the other samples.

Also, you'll have my cell so we can facetime to troubleshoot any issues as well.

Thanks!

Mia

Mia Catharine Mattioli
Environmental Engineer
Centers for Disease Control and Prevention (CDC)
Department of Health and Human Services (HHS)
Office: (404) 718-5643

From: Wais, Ashley <AWais@buttecounty.net>

Sent: Monday, July 21, 2025 12:23 PM

To: Mattioli, Mia Catharine (CDC/NCEZID/DFWED/WDPB) <kuk9@cdc.gov>; Lamba, Katherine@CDPH <Katherine.Lamba@cdph.ca.gov>; Miko, Shanna (CDC/NCEZID/DFWED/WDPB) <rhu6@cdc.gov>; Beaudoin, Jarett <JBeaudoin@buttecounty.net>

Cc: Stainken, Cameron (CDC cdph.ca.gov) <cameron.stainken@cdph.ca.gov>; Kahler, Amy (CDC/NCEZID/DFWED/WDPB) <ete1@cdc.gov>; Kunz, Jasen M. (CDC/NCEZID/DFWED/WDPB) <izk0@cdc.gov>; Hill, Vincent (CDC/NCEZID/DFWED/WDPB) <veh2@cdc.gov>; McKeel, Haley (CDC/NCEZID/DFWED/EDLB) <hvw0@cdc.gov>; Strockbine, Nancy (CDC/NCEZID/DFWED/EDLB) <nas6@cdc.gov>; McSpadden, Elaine <EMcspadden@buttecounty.net>; Parker, Thomas <TParker@buttecounty.net>

Subject: RE: Consultation re: STEC O157 cases exposed to natural recreational water in Butte County, CA

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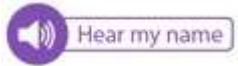
Hi Mia,

Thank you for this insight. Below is the appropriate address to ship the supplies to.

Butte County Environmental Health
ATTN: Tom Parker
202 Mira Loma Drive
Oroville, CA 95965

In the meantime, the Butte County team will review the water sampling protocol shared in the meeting and have internal discussions to confirm sampling locations. I believe that we will have additional questions before we conduct sampling and greatly appreciate the CDC team's support and guidance during this project.

Thank you,
Ashley Wais, MPH, CIC®
Epidemiologist
[BUTTE COUNTY PUBLIC HEALTH](#)
[202 Mira Loma Drive | Oroville, CA 95965](#)
T: 530-552-3950 | M: 530-300-4166
<https://www.buttecounty.net/610/Public-Health>



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From: Mattioli, Mia Catharine (CDC/NCEZID/DFWED/WDPB) <kuk9@cdc.gov>
Sent: Saturday, July 19, 2025 11:31 AM
To: Wais, Ashley <AWais@buttecounty.net>; Lamba, Katherine@CDPH <Katherine.Lamba@cdph.ca.gov>; Miko, Shanna (CDC/NCEZID/DFWED/WDPB) <rhu6@cdc.gov>; Beaudoin, Jarett <JBeaudoin@buttecounty.net>
Cc: Stainken, Cameron (CDC cdph.ca.gov) <cameron.stainken@cdph.ca.gov>; Kahler, Amy (CDC/NCEZID/DFWED/WDPB) <ete1@cdc.gov>; Kunz, Jasen M. (CDC/NCEZID/DFWED/WDPB) <izk0@cdc.gov>; Hill, Vincent (CDC/NCEZID/DFWED/WDPB) <veh2@cdc.gov>; McKeel, Haley (CDC/NCEZID/DFWED/EDLB) <hvw0@cdc.gov>; Strockbine, Nancy (CDC/NCEZID/DFWED/EDLB) <nas6@cdc.gov>
Subject: RE: Consultation re: STEC O157 cases exposed to natural recreational water in Butte County, CA

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Hi Ashley,

It was great speaking with you all on Friday. We are happy to support sampling and testing of the creek associated with the *E. coli* O157:H7 outbreak.

Based on our discussion, we would recommend water and sediment sampling at the following **5 locations**: the three swimming sites associated with exposure, immediately downstream of the golf course but upstream of the first swimming location, and further upstream where the wildfire sediment deposited. We would test these samples for *E. coli* O157:H7 and generic fecal indicator *E. coli*, as well as microbial source tracking markers specific to feces for birds, ruminants, and humans and markers specific to mitochondria of goose (given the Wildwood association). As mentioned on the call, Amy Irani in Nevada County did the sampling for the Lake Wildwood outbreak and is familiar with our large volume ultrafiltration sampling procedure so we would recommend asking if she can support given that experience.

If you all are OK with this plan, we can provide more details on the sampling and supplies, but first we **need the best address to ship**. Likely the earliest we can get the supplies to you all is Wednesday morning so sampling could occur on Wednesday and Thursday at the earliest. Friday sampling is tricky because Saturday delivery by FedEx is often problematic.

Thanks again for reaching out and look forward to working with you all!

Mia

Mia Catharine Mattioli
Environmental Engineer
Centers for Disease Control and Prevention (CDC)
Department of Health and Human Services (HHS)
Office: (404) 718-5643

From: Wais, Ashley <AWais@buttecounty.net>

Sent: Friday, July 18, 2025 6:45 PM

To: Lamba, Katherine@CDPH <Katherine.Lamba@cdph.ca.gov>; Mattioli, Mia Catharine (CDC/NCEZID/DFWED/WDPB) <kuk9@cdc.gov>; Miko, Shanna (CDC/NCEZID/DFWED/WDPB) <rhu6@cdc.gov>; Beaudoin, Jarett <JBeaudoin@buttecounty.net>

Cc: Stainken, Cameron (CDC cdph.ca.gov) <cameron.stainken@cdph.ca.gov>; Kahler, Amy (CDC/NCEZID/DFWED/WDPB) <ete1@cdc.gov>; Kunz, Jasen M. (CDC/NCEZID/DFWED/WDPB) <izk0@cdc.gov>; Hill, Vincent (CDC/NCEZID/DFWED/WDPB) <veh2@cdc.gov>; McKeel, Haley (CDC/NCEZID/DFWED/EDLB) <hvw0@cdc.gov>; Strockbine, Nancy (CDC/NCEZID/DFWED/EDLB) <nas6@cdc.gov>

Subject: RE: Consultation re: STEC O157 cases exposed to natural recreational water in Butte County, CA

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Hi CDC/CDPH teams,

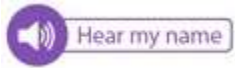
Thank you all so much for your time and support with this scenario. We will await further guidance on next steps.

I would also love to reach out to Jordan who was on the call speaking about the sequencing results, but I do not see them on this email chain currently. If someone from the CDC team could send me their contact info, that would be much appreciated.

Lastly, the City of Chico collected a sediment sample while conducting their cleaning efforts yesterday. I wanted to confirm if there was a time frame in which that needs to be tested for it to be viable?

Thank you again,

Ashley Wais, MPH, CIC®
Epidemiologist
BUTTE COUNTY PUBLIC HEALTH
202 Mira Loma Drive | Oroville, CA 95965
T: 530-552-3950 | M: 530-300-4166
<https://www.buttecounty.net/610/Public-Health>



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From: Lamba, Katherine@CDPH <Katherine.Lamba@cdph.ca.gov>
Sent: Friday, July 18, 2025 9:48 AM
To: Wais, Ashley <AWais@buttecounty.net>; 'Mattioli, Mia Catharine (CDC/NCEZID/DFWED/WDPB)' <kuk9@cdc.gov>; Miko, Shanna (CDC/NCEZID/DFWED/WDPB) <rhu6@cdc.gov>; Beaudoin, Jarett <jbeaudoin@buttecounty.net>
Cc: Stainken, Cameron@CDPH <Cameron.Stainken@cdph.ca.gov>; Kahler, Amy (CDC/NCEZID/DFWED/WDPB) <ete1@cdc.gov>; Kunz, Jasen M. (CDC/NCEZID/DFWED/WDPB) <izk0@cdc.gov>; Hill, Vincent (CDC/NCEZID/DFWED/WDPB) <veh2@cdc.gov>; McKeel, Haley (CDC/NCEZID/DFWED/EDLB) <hvw0@cdc.gov>; Strockbine, Nancy (CDC/NCEZID/DFWED/EDLB) <nas6@cdc.gov>
Subject: RE: Consultation re: STEC O157 cases exposed to natural recreational water in Butte County, CA

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Thanks Ashley, updates incorporated in the table below.

Kat

Katherine Lamba, MPH (she/her)
California Department of Public Health
Phone: 510-620-3429 | Email: Katherine.Lamba@cdph.ca.gov

Confidential - Low

From: Wais, Ashley <AWais@buttecounty.net>
Sent: Thursday, July 17, 2025 4:14 PM
To: Lamba, Katherine@CDPH <Katherine.Lamba@cdph.ca.gov>; 'Mattioli, Mia Catharine (CDC/NCEZID/DFWED/WDPB)' <kuk9@cdc.gov>; Miko, Shanna (CDC/NCEZID/DFWED/WDPB) <rhu6@cdc.gov>; Beaudoin, Jarett <jbeaudoin@buttecounty.net>
Cc: Stainken, Cameron@CDPH <Cameron.Stainken@cdph.ca.gov>; Kahler, Amy (CDC/NCEZID/DFWED/WDPB) <ete1@cdc.gov>; Kunz, Jasen M. (CDC/NCEZID/DFWED/WDPB) <izk0@cdc.gov>; Hill, Vincent (CDC/NCEZID/DFWED/WDPB) <veh2@cdc.gov>; McKeel, Haley (CDC/NCEZID/DFWED/EDLB) <hvw0@cdc.gov>; Strockbine, Nancy (CDC/NCEZID/DFWED/EDLB) <nas6@cdc.gov>
Subject: RE: Consultation re: STEC O157 cases exposed to natural recreational water in Butte County, CA

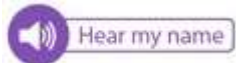
Hi Kat,

Thank you for this update. For the table below there are a few exposures that need to be updated.

[REDACTED]

Thank you,

Ashley Wais, MPH, CIC®
Epidemiologist
[BUTTE COUNTY PUBLIC HEALTH](#)
[202 Mira Loma Drive | Oroville, CA 95965](#)
T: [530-552-3950](tel:530-552-3950) | M: [530-300-4166](tel:530-300-4166)
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From: Lamba, Katherine@CDPH <Katherine.Lamba@cdph.ca.gov>
Sent: Thursday, July 17, 2025 3:55 PM
To: Wais, Ashley <AWais@buttecounty.net>; 'Mattioli, Mia Catharine (CDC/NCEZID/DFWED/WDPB)' <kuk9@cdc.gov>; Miko, Shanna (CDC/NCEZID/DFWED/WDPB) <rhu6@cdc.gov>; Beaudoin, Jarett <jbeaudoin@buttecounty.net>
Cc: Stainken, Cameron@CDPH <Cameron.Stainken@cdph.ca.gov>; Kahler, Amy (CDC/NCEZID/DFWED/WDPB) <ete1@cdc.gov>; Kunz, Jasen M. (CDC/NCEZID/DFWED/WDPB) <izk0@cdc.gov>; Hill, Vincent (CDC/NCEZID/DFWED/WDPB) <veh2@cdc.gov>; McKeel, Haley (CDC/NCEZID/DFWED/EDLB) <hvw0@cdc.gov>; Strockbine, Nancy (CDC/NCEZID/DFWED/EDLB) <nas6@cdc.gov>
Subject: RE: Consultation re: STEC O157 cases exposed to natural recreational water in Butte County, CA

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Hi all,

[REDACTED]

[REDACTED]	[REDACTED]	[REDACTED]	[REDACTED]	[REDACTED]	[REDACTED]	[REDACTED]	[REDACTED]
[REDACTED]	[REDACTED]	[REDACTED]	[REDACTED]	[REDACTED]	[REDACTED]	[REDACTED]	[REDACTED]
[REDACTED]	[REDACTED]	[REDACTED]	[REDACTED]	[REDACTED]	[REDACTED]	[REDACTED]	[REDACTED]
[REDACTED]	[REDACTED]	[REDACTED]	[REDACTED]	[REDACTED]	[REDACTED]	[REDACTED]	[REDACTED]
[REDACTED]	[REDACTED]	[REDACTED]	[REDACTED]	[REDACTED]	[REDACTED]	[REDACTED]	[REDACTED]
[REDACTED]	[REDACTED]	[REDACTED]	[REDACTED]	[REDACTED]	[REDACTED]	[REDACTED]	[REDACTED]

Thanks,
Kat

Katherine Lamba, MPH (she/her)
California Department of Public Health
Phone: 510-620-3429 | Email: Katherine.Lamba@cdph.ca.gov

Confidential - Low

From: Wais, Ashley <AWais@buttecounty.net>
Sent: Thursday, July 17, 2025 8:56 AM
To: 'Mattioli, Mia Catharine (CDC/NCEZID/DFWED/WDPB)' <kuk9@cdc.gov>; Lamba, Katherine@CDPH <Katherine.Lamba@cdph.ca.gov>; Miko, Shanna (CDC/NCEZID/DFWED/WDPB) <rhu6@cdc.gov>; Beaudoin, Jarett <jbeaudoin@buttecounty.net>
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Subject: RE: Consultation re: STEC O157 cases exposed to natural recreational water in Butte County, CA

Hi Mia,

Thank you for accommodating our tight schedule and consulting with us for this scenario. We have reached out to the City of Chico to see if they can acquire these samples. We are available at 12PM tomorrow for a discussion.

I did have a few questions related to the sample requests:

1. The pool is now drained (see below) and the process for removing sediment is underway. Did the sediment need to be submerged?
2. I am not sure it will be possible to acquire a “mucky water” sample now that the pool is drained. Is there a different type of sample that should be taken or should it be taken from another location (upstream)?

Any insight is appreciated.



Thank you,
Ashley Wais, MPH, CIC®

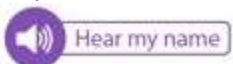
Epidemiologist

[BUTTE COUNTY PUBLIC HEALTH](#)

[202 Mira Loma Drive | Oroville, CA 95965](#)

T: 530-552-3950 | M: 530-300-4166

<https://www.buttecounty.net/610/Public-Health>



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From: Mattioli, Mia Catharine (CDC/NCEZID/DFWED/WDPB) <kuk9@cdc.gov>

Sent: Thursday, July 17, 2025 8:31 AM

To: Lamba, Katherine@CDPH <Katherine.Lamba@cdph.ca.gov>; Miko, Shanna (CDC/NCEZID/DFWED/WDPB) <rhu6@cdc.gov>; Wais, Ashley <AWais@buttecounty.net>; Beaudoin, Jarett <jbeaudoin@buttecounty.net>

Cc: Stainken, Cameron (CDC cdph.ca.gov) <cameron.stainken@cdph.ca.gov>; Kahler, Amy (CDC/NCEZID/DFWED/WDPB) <ete1@cdc.gov>; Kunz, Jasen M. (CDC/NCEZID/DFWED/WDPB) <izk0@cdc.gov>; Hill, Vincent (CDC/NCEZID/DFWED/WDPB) <veh2@cdc.gov>; McKeel, Haley (CDC/NCEZID/DFWED/EDLB) <hvw0@cdc.gov>; Strockbine, Nancy (CDC/NCEZID/DFWED/EDLB) <nas6@cdc.gov>

Subject: RE: Consultation re: STEC O157 cases exposed to natural recreational water in Butte County, CA

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Hi Kat,

Thanks so much for proposing times!

CDC is available at the following:

- Friday 7/18: 12pm PST/3PM EST
- Monday 7/21: 1pm PST/4pm EST

Also, if they are cleaning out Sycamore pool, could we ask that someone grab two, 1-L bottles and fill one halfway with the sediment and the other almost full with the mucky water churned up? These can be stored in a fridge (4C) until process. Our lab does this type of testing if not available in CA. These samples will be the best for this type of bug and water source.

Thanks!

Mia

Mia Catharine Mattioli
Environmental Engineer
Centers for Disease Control and Prevention (CDC)
Department of Health and Human Services (HHS)
Office: (404) 718-5643

From: Lamba, Katherine@CDPH <Katherine.Lamba@cdph.ca.gov>

Sent: Wednesday, July 16, 2025 9:22 PM

To: Mattioli, Mia Catharine (CDC/NCEZID/DFWED/WDPB) <kuk9@cdc.gov>; Miko, Shanna (CDC/NCEZID/DFWED/WDPB) <rhu6@cdc.gov>; Wais, Ashley <AWais@buttecounty.net>; Beaudoin, Jarett <jbeaudoin@buttecounty.net>

Cc: Stainken, Cameron (CDC cdph.ca.gov) <cameron.stainken@cdph.ca.gov>; Kahler, Amy (CDC/NCEZID/DFWED/WDPB) <ete1@cdc.gov>; Kunz, Jasen M. (CDC/NCEZID/DFWED/WDPB) <izk0@cdc.gov>; Hill, Vincent (CDC/NCEZID/DFWED/WDPB) <veh2@cdc.gov>; McKeel, Haley (CDC/NCEZID/DFWED/EDLB) <hvw0@cdc.gov>; Strockbine, Nancy (CDC/NCEZID/DFWED/EDLB) <nas6@cdc.gov>

Subject: RE: Consultation re: STEC O157 cases exposed to natural recreational water in Butte County, CA

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Hi all,

Looping in a couple of folks from Butte County directly (Ashley Wais- epi and Dr. Beaudoin, Health Officer) so we can all sort out scheduling for this call.

Looks like scheduling over the next several days may be challenging but hopefully we can sort out a time that works sooner rather than later for the group. Would CDC team by chance be available during any of the following times?

- Thursday 7/17: 12pm PST/3PM EST
- Friday 7/18: 12pm PST/3PM EST
- Monday 7/21: 9am-11am PST (12-2 EST); 1pm PST/4pm EST
 - For Monday these are the slots that work for CDC and CDPH; @Wais, Ashley let us know if any of these work for Butte.

Thank you!
Kat

Katherine Lamba, MPH (she/her)
California Department of Public Health
Phone: 510-620-3429 | Email: Katherine.Lamba@cdph.ca.gov

Confidential - Low

From: Lamba, Katherine@CDPH
Sent: Wednesday, July 16, 2025 2:44 PM
To: Mattioli, Mia Catharine (CDC/NCEZID/DFWED/WDPB) <kuk9@cdc.gov>; Miko, Shanna (CDC/NCEZID/DFWED/WDPB) <rhu6@cdc.gov>
Cc: Stainken, Cameron@CDPH <Cameron.Stainken@cdph.ca.gov>; Kahler, Amy (CDC/NCEZID/DFWED/WDPB) <ete1@cdc.gov>; Kunz, Jasen M. (CDC/NCEZID/DFWED/WDPB) <izk0@cdc.gov>; Hill, Vincent (CDC/NCEZID/DFWED/WDPB) <veh2@cdc.gov>; McKeel, Haley (CDC/NCEZID/DFWED/EDLB) <hvw0@cdc.gov>; Strockbine, Nancy (CDC/NCEZID/DFWED/EDLB) <nas6@cdc.gov>
Subject: RE: Consultation re: STEC O157 cases exposed to natural recreational water in Butte County, CA

[REDACTED]

[REDACTED]

[REDACTED] My thought went to geese flying down from WA 😊 .

Kat

Katherine Lamba, MPH (she/her)
California Department of Public Health
Phone: 510-620-3429 | Email: Katherine.Lamba@cdph.ca.gov

From: Mattioli, Mia Catharine (CDC/NCEZID/DFWED/WDPB) <kuk9@cdc.gov>
Sent: Wednesday, July 16, 2025 2:30 PM
To: Lamba, Katherine@CDPH <Katherine.Lamba@cdph.ca.gov>; Miko, Shanna (CDC/NCEZID/DFWED/WDPB) <rhu6@cdc.gov>
Cc: Stainken, Cameron@CDPH <Cameron.Stainken@cdph.ca.gov>; Kahler, Amy (CDC/NCEZID/DFWED/WDPB) <ete1@cdc.gov>; Kunz, Jasen M. (CDC/NCEZID/DFWED/WDPB) <izk0@cdc.gov>; Hill, Vincent (CDC/NCEZID/DFWED/WDPB) <veh2@cdc.gov>; McKeel, Haley (CDC/NCEZID/DFWED/EDLB) <hvw0@cdc.gov>; Strockbine, Nancy (CDC/NCEZID/DFWED/EDLB) <nas6@cdc.gov>
Subject: RE: Consultation re: STEC O157 cases exposed to natural recreational water in Butte County, CA

Adding our other enterics clinical outbreak SME, Nancy Strockbine, as well.

Thanks!

Mia Catharine Mattioli
Environmental Engineer
Centers for Disease Control and Prevention (CDC)
Department of Health and Human Services (HHS)
Office: (404) 718-5643

From: Mattioli, Mia Catharine (CDC/NCEZID/DFWED/WDPB)
Sent: Wednesday, July 16, 2025 5:28 PM
To: Lamba, Katherine@CDPH <Katherine.Lamba@cdph.ca.gov>; Miko, Shanna (CDC/NCEZID/DFWED/WDPB) <rhu6@cdc.gov>
Cc: Stainken, Cameron (CDC cdph.ca.gov) <cameron.stainken@cdph.ca.gov>; Kahler, Amy (CDC/NCEZID/DFWED/WDPB) <ete1@cdc.gov>; Kunz, Jasen M. (CDC/NCEZID/DFWED/WDPB) <izk0@cdc.gov>; Hill, Vincent (CDC/NCEZID/DFWED/WDPB) <veh2@cdc.gov>; McKeel, Haley (CDC/NCEZID/DFWED/EDLB) <hvw0@cdc.gov>
Subject: RE: Consultation re: STEC O157 cases exposed to natural recreational water in Butte County, CA

OK, thanks so much! This is very close and similar sounding to our Lake Wildwood *E. coli* O157:H7 outbreak in 2017 at almost the exact same time of year. In that case there were Canada geese amplifying the pathogen within the lake. I wonder if there are geese or other birds frequenting these untreated venues as well. I'm including our clinical enterics laboratory SME, Haley McKeel, who was also involved in the 2017 response.

Our team would be available this Friday (7/18) from 12-2 PM EST or next Monday (7/21) after 12 PM EST. If none of those times work for you all, let us know what works best for you, and we can move things on our end.

Thanks again for reaching out!

Mia

Mia Catharine Mattioli
Environmental Engineer
Centers for Disease Control and Prevention (CDC)
Department of Health and Human Services (HHS)
Office: (404) 718-5643

From: Lamba, Katherine@CDPH <Katherine.Lamba@cdph.ca.gov>
Sent: Wednesday, July 16, 2025 5:22 PM
To: Mattioli, Mia Catharine (CDC/NCEZID/DFWED/WDPB) <kuk9@cdc.gov>; Miko, Shanna (CDC/NCEZID/DFWED/WDPB) <rhu6@cdc.gov>
Cc: Stainken, Cameron (CDC cdph.ca.gov) <cameron.stainken@cdph.ca.gov>; Kahler, Amy (CDC/NCEZID/DFWED/WDPB)

<ete1@cdc.gov>; Kunz, Jasen M. (CDC/NCEZID/DFWED/WDPB) <izk0@cdc.gov>; Hill, Vincent (CDC/NCEZID/DFWED/WDPB) <veh2@cdc.gov>

Subject: RE: Consultation re: STEC O157 cases exposed to natural recreational water in Butte County, CA

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Fantastic, thanks! Let me check in with our Butte County colleagues then I will loop them in and can coordinate setting something up. In the meantime if you are able to share some time slots over the next several days that work for your team that would be great.

Yes- Sycamore pool is untreated water.

Kat

Katherine Lamba, MPH (she/her)
California Department of Public Health
Phone: 510-620-3429 | Email: Katherine.Lamba@cdph.ca.gov

Confidential - Low

From: Mattioli, Mia Catharine (CDC/NCEZID/DFWED/WDPB) <kuk9@cdc.gov>
Sent: Wednesday, July 16, 2025 2:11 PM
To: Lamba, Katherine@CDPH <Katherine.Lamba@cdph.ca.gov>; Miko, Shanna (CDC/NCEZID/DFWED/WDPB) <rhu6@cdc.gov>
Cc: Stainken, Cameron@CDPH <Cameron.Stainken@cdph.ca.gov>; Kahler, Amy (CDC/NCEZID/DFWED/WDPB) <ete1@cdc.gov>; Kunz, Jasen M. (CDC/NCEZID/DFWED/WDPB) <izk0@cdc.gov>; Hill, Vincent (CDC/NCEZID/DFWED/WDPB) <veh2@cdc.gov>
Subject: RE: Consultation re: STEC O157 cases exposed to natural recreational water in Butte County, CA

Hi Kat,

Thanks for reaching out! Yes, Shanna and I are the right contacts. Shanna is only leave this week so I've included her back-fill for outbreak support, Jasen Kunz. Jasen can set up a call to discuss sampling and testing. Our lab does both water and sediment testing for *E. coli* O157:H7, and we happy to discuss our sampling and testing methods. Of note, generic *E. coli* tests used for monitoring do *not* detect O157:H7 strains, which means those values alone cannot be used to evaluate risk of pathogen contamination.

Thanks for the outbreak notes as well. Just so I'm clear, this pool is untreated, correct? It is fed by a creek without further treatment?

Let us know if you would like to set up a call or prefer Jasen reach out, and thanks again!

Mia

Mia Catharine Mattioli
Environmental Engineer
Centers for Disease Control and Prevention (CDC)
Department of Health and Human Services (HHS)
Office: (404) 718-5643

From: Lamba, Katherine@CDPH <Katherine.Lamba@cdph.ca.gov>

Sent: Wednesday, July 16, 2025 5:05 PM

To: Mattioli, Mia Catharine (CDC/NCEZID/DFWED/WDPB) <kuk9@cdc.gov>; Miko, Shanna (CDC/NCEZID/DFWED/WDPB) <rhu6@cdc.gov>

Cc: Stainken, Cameron (CDC cdph.ca.gov) <cameron.stainken@cdph.ca.gov>

Subject: Consultation re: STEC O157 cases exposed to natural recreational water in Butte County, CA

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Hi Mia and Shanna,

Hoping you're still the right contacts to reach out to- if not, please forward as needed.

CDPH has been supporting Butte County in the investigation of STEC O157 cases they suspect are associated with a couple of related natural recreational water locations in Chico, CA. Butte County has been in discussions with the City of Chico regarding possible testing of water and sediment for STEC/STEC O157 and they are looking for guidance on sampling methods, interpretation of laboratory results, and considerations around water sampling. We're wondering if you and your team may be available to consult on this situation, possibly via a conference call?

Some background:

- Butte County initially identified 2 cases of STEC O157 [REDACTED], onsets [REDACTED], where exposure to [Sycamore Pool](#) (aka One-Mile recreational area/Bidwell Park) in Chico is the suspected exposure. WGS has been completed for one STEC case and is in process for the 2nd. No other closely related recent STEC isolates have been identified.
 - 1 additional STEC case with onset [REDACTED] and exposure to Sycamore pool on [REDACTED] was subsequently identified.
- Sycamore pool is a man-made concrete swimming 'pool' with fresh natural recreational water and is connected to Big Chico Creek
- On 7/1/25, the City of Chico issued a [swimming advisory](#) at Sycamore pool due to elevated E. coli levels from routine testing. Samples are routinely collected upstream and downstream from Sycamore pool. The [pool is closed 7/16-7/18](#) for routine sediment removal/cleaning.
- Butte County has now identified 2 additional STEC cases, onsets [REDACTED] with exposure to the [Five Mile recreational area](#) in Chico, which is also connected to the Big Chico Creek but is about 3 miles east of Sycamore Pool. WGS is pending to determine if these cases have STEC isolates that are related to cases with Sycamore pool exposure.

Thank you, and Cameron please chime in if I've missed any relevant info.

Kat

Katherine Lamba, MPH (she/her)

Epidemiologist

Disease Investigations Section | Infectious Diseases Branch

Center for Infectious Diseases

California Department of Public Health

Phone: 510-620-3429 | Email: Katherine.Lamba@cdph.ca.gov

IDB-DIS general inbox: IDB-DIS@cdph.ca.gov



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Beaudoin, Jarett

From: Beaudoin, Jarett
Sent: Monday, July 28, 2025 12:43 PM
To: Soderstrom, Monica; Blankenship, DeAnne
Subject: Re: Admin

Oh and I forgot to add:

- Who is PHI?
- Clinic anonymity (CAIR, Sac MedShare, Other Reporting)

-Jarett

From: Beaudoin, Jarett
Sent: Monday, July 28, 2025 11:24 AM
To: Soderstrom, Monica <msoderstrom@buttecounty.net>; Blankenship, DeAnne <DBlankenship@buttecounty.net>
Subject: Admin

Hello!

To discuss today:

- Big Chico creek update
- COVID health update
- Interns?
- GIS: Issues with person level
- rabies update

See you this afternoon!

-Jarett

Jarett Beaudoin
Public Health Officer
Butte County Public Health

Beaudoin, Jarett

From: Beaudoin, Jarett
Sent: Monday, July 28, 2025 11:25 AM
To: Soderstrom, Monica; Blankenship, DeAnne
Subject: Admin

Hello!

To discuss today:

- Big Chico creek update
- COVID health update
- Interns?
- GIS: Issues with person level
- rabies update

See you this afternoon!

-Jarett

Jarett Beaudoin
Public Health Officer
Butte County Public Health

Beaudoin, Jarett

From: Beaudoin, Jarett
Sent: Friday, July 25, 2025 12:51 PM
To: Thao, May; Villegas, Roxanne
Subject: Fw: Consultation re: STEC O157 cases exposed to natural recreational water in Butte County, CA

Jk try this one

Jarett Beaudoin
Public Health Officer
Butte County Public Health

From: Lamba, Katherine@CDPH <Katherine.Lamba@cdph.ca.gov>
Sent: Thursday, July 24, 2025 5:20:04 PM
To: Wais, Ashley <AWais@buttecounty.net>; 'Mattioli, Mia Catharine (CDC/NCEZID/DFWED/WDPB)' <kuk9@cdc.gov>; Miko, Shanna (CDC/NCEZID/DFWED/WDPB) <rhu6@cdc.gov>; Beaudoin, Jarett <jbeaudoin@buttecounty.net>
Cc: Stainken, Cameron@CDPH <Cameron.Stainken@cdph.ca.gov>; Kahler, Amy (CDC/NCEZID/DFWED/WDPB) <ete1@cdc.gov>; Kunz, Jasen M. (CDC/NCEZID/DFWED/WDPB) <izk0@cdc.gov>; Hill, Vincent (CDC/NCEZID/DFWED/WDPB) <veh2@cdc.gov>; McKeel, Haley (CDC/NCEZID/DFWED/EDLB) <hvw0@cdc.gov>; Strockbine, Nancy (CDC/NCEZID/DFWED/EDLB) <nas6@cdc.gov>
Subject: RE: Consultation re: STEC O157 cases exposed to natural recreational water in Butte County, CA

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Hi all,

Thanks to the quick work of MDL, we have additional WGS results for 2 additional cases listed below, including 1 who reported exposure at 5 mile. All 4 isolates are 0 alleles apart by cgMLST. WGS for the 5th isolate in the list will be started on 7/25.

For the CDC lab team- I've noticed that STEC isolates have been slow to show up in NCBI after being uploaded to PulseNet (the 2nd one in the list still hasn't appeared, and another isolate in another investigation). I know the website is planned for maintenance starting 7/25 but I'm curious if you've noticed similar issues as well.

Thank you!

[REDACTED]	[REDACTED]	[REDACTED]	[REDACTED]	[REDACTED]	[REDACTED]	[REDACTED]	[REDACTED]	[REDACTED]
[REDACTED]	[REDACTED]	[REDACTED]	[REDACTED]	[REDACTED]	[REDACTED]	[REDACTED]	[REDACTED]	[REDACTED]
[REDACTED]	[REDACTED]	[REDACTED]	[REDACTED]	[REDACTED]	[REDACTED]	[REDACTED]	[REDACTED]	[REDACTED]
[REDACTED]	[REDACTED]	[REDACTED]	[REDACTED]	[REDACTED]	[REDACTED]	[REDACTED]	[REDACTED]	[REDACTED]

Kat

Katherine Lamba, MPH (she/her)
 California Department of Public Health
 Phone: 510-620-3429 | Email: Katherine.Lamba@cdph.ca.gov

Confidential - Low

From: Lamba, Katherine@CDPH
Sent: Friday, July 18, 2025 9:48 AM
To: Wais, Ashley <AWais@buttecounty.net>; 'Mattioli, Mia Catharine (CDC/NCEZID/DFWED/WDPB)' <kuk9@cdc.gov>; Miko, Shanna (CDC/NCEZID/DFWED/WDPB) <rhu6@cdc.gov>; Beaudoin, Jarett <jbeaudoin@buttecounty.net>
Cc: Stainken, Cameron@CDPH <Cameron.Stainken@cdph.ca.gov>; Kahler, Amy (CDC/NCEZID/DFWED/WDPB) <ete1@cdc.gov>; Kunz, Jasen M. (CDC/NCEZID/DFWED/WDPB) <izk0@cdc.gov>; Hill, Vincent (CDC/NCEZID/DFWED/WDPB) <veh2@cdc.gov>; McKeel, Haley (CDC/NCEZID/DFWED/EDLB) <hvw0@cdc.gov>; Strockbine, Nancy (CDC/NCEZID/DFWED/EDLB) <nas6@cdc.gov>
Subject: RE: Consultation re: STEC O157 cases exposed to natural recreational water in Butte County, CA

Thanks Ashley, updates incorporated in the table below.

[REDACTED]	[REDACTED]	[REDACTED]	[REDACTED]	[REDACTED]	[REDACTED]	[REDACTED]	[REDACTED]
[REDACTED]	[REDACTED]	[REDACTED]	[REDACTED]	[REDACTED]	[REDACTED]	[REDACTED]	[REDACTED]
[REDACTED]	[REDACTED]	[REDACTED]	[REDACTED]	[REDACTED]	[REDACTED]	[REDACTED]	[REDACTED]
[REDACTED]	[REDACTED]	[REDACTED]	[REDACTED]	[REDACTED]	[REDACTED]	[REDACTED]	[REDACTED]
[REDACTED]	[REDACTED]	[REDACTED]	[REDACTED]	[REDACTED]	[REDACTED]	[REDACTED]	[REDACTED]
[REDACTED]	[REDACTED]	[REDACTED]	[REDACTED]	[REDACTED]	[REDACTED]	[REDACTED]	[REDACTED]

Kat

Katherine Lamba, MPH (she/her)
California Department of Public Health
Phone: 510-620-3429 | Email: Katherine.Lamba@cdph.ca.gov

From: Wais, Ashley <AWais@buttecounty.net>
Sent: Thursday, July 17, 2025 4:14 PM
To: Lamba, Katherine@CDPH <Katherine.Lamba@cdph.ca.gov>; 'Mattioli, Mia Catharine (CDC/NCEZID/DFWED/WDPB)' <kuk9@cdc.gov>; Miko, Shanna (CDC/NCEZID/DFWED/WDPB) <rhu6@cdc.gov>; Beaudoin, Jarett <jbeaudoin@buttecounty.net>
Cc: Stainken, Cameron@CDPH <Cameron.Stainken@cdph.ca.gov>; Kahler, Amy (CDC/NCEZID/DFWED/WDPB) <ete1@cdc.gov>; Kunz, Jasen M. (CDC/NCEZID/DFWED/WDPB) <izk0@cdc.gov>; Hill, Vincent (CDC/NCEZID/DFWED/WDPB) <veh2@cdc.gov>; McKeel, Haley (CDC/NCEZID/DFWED/EDLB) <hvw0@cdc.gov>; Strockbine, Nancy (CDC/NCEZID/DFWED/EDLB) <nas6@cdc.gov>
Subject: RE: Consultation re: STEC O157 cases exposed to natural recreational water in Butte County, CA

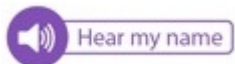
Hi Kat,

Thank you for this update. For the table below there are a few exposures that need to be updated.

[REDACTED]

Thank you,

Ashley Wais, MPH, CIC®
Epidemiologist
[BUTTE COUNTY PUBLIC HEALTH](https://www.buttecounty.net/610/Public-Health)
[202 Mira Loma Drive | Oroville, CA 95965](https://www.buttecounty.net/610/Public-Health)
T: 530-552-3950 | M: 530-300-4166
<https://www.buttecounty.net/610/Public-Health>



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From: Lamba, Katherine@CDPH <Katherine.Lamba@cdph.ca.gov>
Sent: Thursday, July 17, 2025 3:55 PM
To: Wais, Ashley <AWais@buttecounty.net>; 'Mattioli, Mia Catharine (CDC/NCEZID/DFWED/WDPB)' <kuk9@cdc.gov>; Miko, Shanna (CDC/NCEZID/DFWED/WDPB) <rhu6@cdc.gov>; Beaudoin, Jarett <jbeaudoin@buttecounty.net>
Cc: Stainken, Cameron@CDPH <Cameron.Stainken@cdph.ca.gov>; Kahler, Amy (CDC/NCEZID/DFWED/WDPB) <ete1@cdc.gov>; Kunz, Jasen M. (CDC/NCEZID/DFWED/WDPB) <izk0@cdc.gov>; Hill, Vincent (CDC/NCEZID/DFWED/WDPB) <veh2@cdc.gov>; McKeel, Haley (CDC/NCEZID/DFWED/EDLB) <hvw0@cdc.gov>

Strockbine, Nancy (CDC/NCEZID/DFWED/EDLB) <nas6@cdc.gov>
Subject: RE: Consultation re: STEC O157 cases exposed to natural recreational water in Butte County, CA

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Hi all,

[Redacted]

[Redacted]	[Redacted]	[Redacted]	[Redacted]	[Redacted]	[Redacted]	[Redacted]	[Redacted]
[Redacted]	[Redacted]	[Redacted]	[Redacted]	[Redacted]	[Redacted]	[Redacted]	[Redacted]
[Redacted]	[Redacted]	[Redacted]	[Redacted]	[Redacted]	[Redacted]	[Redacted]	[Redacted]
[Redacted]	[Redacted]	[Redacted]	[Redacted]	[Redacted]	[Redacted]	[Redacted]	[Redacted]
[Redacted]	[Redacted]	[Redacted]	[Redacted]	[Redacted]	[Redacted]	[Redacted]	[Redacted]
[Redacted]	[Redacted]	[Redacted]	[Redacted]	[Redacted]	[Redacted]	[Redacted]	[Redacted]

Thanks,
Kat

Katherine Lamba, MPH (she/her)
California Department of Public Health
Phone: 510-620-3429 | Email: Katherine.Lamba@cdph.ca.gov

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From: Wais, Ashley <AWais@buttecounty.net>
Sent: Thursday, July 17, 2025 8:56 AM
To: 'Mattioli, Mia Catharine (CDC/NCEZID/DFWED/WDPB)' <kuk9@cdc.gov>; Lamba, Katherine@CDPH <Katherine.Lamba@cdph.ca.gov>; Miko, Shanna (CDC/NCEZID/DFWED/WDPB) <rhu6@cdc.gov>; Beaudoin, Jarett <jbeaudoin@buttecounty.net>
Cc: Stainken, Cameron@CDPH <Cameron.Stainken@cdph.ca.gov>; Kahler, Amy (CDC/NCEZID/DFWED/WDPB) <ete1@cdc.gov>; Kunz, Jasen M. (CDC/NCEZID/DFWED/WDPB) <izk0@cdc.gov>; Hill, Vincent (CDC/NCEZID/DFWED/WDPB) <veh2@cdc.gov>; McKeel, Haley (CDC/NCEZID/DFWED/EDLB) <hvw0@cdc.gov>; Strockbine, Nancy (CDC/NCEZID/DFWED/EDLB) <nas6@cdc.gov>
Subject: RE: Consultation re: STEC O157 cases exposed to natural recreational water in Butte County, CA

Hi Mia,

Thank you for accommodating our tight schedule and consulting with us for this scenario. We have reached out to the City of Chico to see if they can acquire these samples. We are available at 12PM tomorrow for a discussion.

I did have a few questions related to the sample requests:

1. The pool is now drained (see below) and the process for removing sediment is underway. Did the sediment need to be submerged?
2. I am not sure it will be possible to acquire a “mucky water” sample now that the pool is drained. Is there a different type of sample that should be taken or should it be taken from another location (upstream)?

Any insight is appreciated.



Thank you,
Ashley Wais, MPH, CIC®

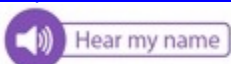
Epidemiologist

[BUTTE COUNTY PUBLIC HEALTH](#)

[202 Mira Loma Drive | Oroville, CA 95965](#)

[T: 530-552-3950 | M: 530-300-4166](#)

<https://www.buttecounty.net/610/Public-Health>



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From: Mattioli, Mia Catharine (CDC/NCEZID/DFWED/WDPB) <kuk9@cdc.gov>

Sent: Thursday, July 17, 2025 8:31 AM

To: Lamba, Katherine@CDPH <Katherine.Lamba@cdph.ca.gov>; Miko, Shanna (CDC/NCEZID/DFWED/WDPB) <rhu6@cdc.gov>; Wais, Ashley <AWais@buttecounty.net>; Beaudoin, Jarett <jbeaudoin@buttecounty.net>

Cc: Stainken, Cameron (CDC cdph.ca.gov) <cameron.stainken@cdph.ca.gov>; Kahler, Amy (CDC/NCEZID/DFWED/WDPB) <ete1@cdc.gov>; Kunz, Jasen M. (CDC/NCEZID/DFWED/WDPB) <izk0@cdc.gov>; Hill, Vincent (CDC/NCEZID/DFWED/WDPB) <veh2@cdc.gov>; McKeel, Haley (CDC/NCEZID/DFWED/EDLB) <hvw0@cdc.gov>; Strockbine, Nancy (CDC/NCEZID/DFWED/EDLB) <nas6@cdc.gov>

Subject: RE: Consultation re: STEC O157 cases exposed to natural recreational water in Butte County, CA

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Hi Kat,

Thanks so much for proposing times!

CDC is available at the following:

- Friday 7/18: 12pm PST/3PM EST
- Monday 7/21: 1pm PST/4pm EST

Also, if they are cleaning out Sycamore pool, could we ask that someone grab two, 1-L bottles and fill one halfway with the sediment and the other almost full with the mucky water churned up? These can be stored in a fridge (4C) until process. Our lab does this type of testing if not available in CA. These samples will be the best for this type of bug and water source.

Thanks!

Mia

Mia Catharine Mattioli
Environmental Engineer
Centers for Disease Control and Prevention (CDC)
Department of Health and Human Services (HHS)
Office: (404) 718-5643

From: Lamba, Katherine@CDPH <Katherine.Lamba@cdph.ca.gov>

Sent: Wednesday, July 16, 2025 9:22 PM

To: Mattioli, Mia Catharine (CDC/NCEZID/DFWED/WDPB) <kuk9@cdc.gov>; Miko, Shanna (CDC/NCEZID/DFWED/WDPB) <rhu6@cdc.gov>; Wais, Ashley <AWais@buttecounty.net>; Beaudoin, Jarett <jbeaudoin@buttecounty.net>

Cc: Stainken, Cameron (CDC cdph.ca.gov) <cameron.stainken@cdph.ca.gov>; Kahler, Amy (CDC/NCEZID/DFWED/WDPB) <ete1@cdc.gov>; Kunz, Jasen M. (CDC/NCEZID/DFWED/WDPB) <izk0@cdc.gov>; Hill, Vincent (CDC/NCEZID/DFWED/WDPB) <veh2@cdc.gov>; McKeel, Haley (CDC/NCEZID/DFWED/EDLB) <hvw0@cdc.gov>; Strockbine, Nancy (CDC/NCEZID/DFWED/EDLB) <nas6@cdc.gov>

Subject: RE: Consultation re: STEC O157 cases exposed to natural recreational water in Butte County, CA

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Hi all,

Looping in a couple of folks from Butte County directly (Ashley Wais- epi and Dr. Beaudoin, Health Officer) so we can all sort out scheduling for this call.

Looks like scheduling over the next several days may be challenging but hopefully we can sort out a time that works sooner rather than later for the group. Would CDC team by chance be available during any of the following times?

- Thursday 7/17: 12pm PST/3PM EST
- Friday 7/18: 12pm PST/3PM EST
- Monday 7/21: 9am-11am PST (12-2 EST); 1pm PST/4pm EST
 - For Monday these are the slots that work for CDC and CDPH; @Wais, Ashley let us know if any of these work for Butte.

Thank you!
Kat

Katherine Lamba, MPH (she/her)
California Department of Public Health
Phone: 510-620-3429 | Email: Katherine.Lamba@cdph.ca.gov

Confidential - Low

From: Lamba, Katherine@CDPH
Sent: Wednesday, July 16, 2025 2:44 PM
To: Mattioli, Mia Catharine (CDC/NCEZID/DFWED/WDPB) <kuk9@cdc.gov>; Miko, Shanna (CDC/NCEZID/DFWED/WDPB) <rhu6@cdc.gov>
Cc: Stainken, Cameron@CDPH <Cameron.Stainken@cdph.ca.gov>; Kahler, Amy (CDC/NCEZID/DFWED/WDPB) <ete1@cdc.gov>; Kunz, Jasen M. (CDC/NCEZID/DFWED/WDPB) <izk0@cdc.gov>; Hill, Vincent (CDC/NCEZID/DFWED/WDPB) <veh2@cdc.gov>; McKeel, Haley (CDC/NCEZID/DFWED/EDLB) <hvw0@cdc.gov>; Strockbine, Nancy (CDC/NCEZID/DFWED/EDLB) <nas6@cdc.gov>
Subject: RE: Consultation re: STEC O157 cases exposed to natural recreational water in Butte County, CA

[REDACTED]

[REDACTED]

[REDACTED] My thought went to geese flying down from WA 😊 .

Kat

Katherine Lamba, MPH (she/her)
California Department of Public Health
Phone: 510-620-3429 | Email: Katherine.Lamba@cdph.ca.gov

From: Mattioli, Mia Catharine (CDC/NCEZID/DFWED/WDPB) <kuk9@cdc.gov>
Sent: Wednesday, July 16, 2025 2:30 PM
To: Lamba, Katherine@CDPH <Katherine.Lamba@cdph.ca.gov>; Miko, Shanna (CDC/NCEZID/DFWED/WDPB) <rhu6@cdc.gov>
Cc: Stainken, Cameron@CDPH <Cameron.Stainken@cdph.ca.gov>; Kahler, Amy (CDC/NCEZID/DFWED/WDPB) <ete1@cdc.gov>; Kunz, Jasen M. (CDC/NCEZID/DFWED/WDPB) <izk0@cdc.gov>; Hill, Vincent (CDC/NCEZID/DFWED/WDPB) <veh2@cdc.gov>; McKeel, Haley (CDC/NCEZID/DFWED/EDLB) <hvw0@cdc.gov>; Strockbine, Nancy (CDC/NCEZID/DFWED/EDLB) <nas6@cdc.gov>
Subject: RE: Consultation re: STEC O157 cases exposed to natural recreational water in Butte County, CA

Adding our other enterics clinical outbreak SME, Nancy Strockbine, as well.

Thanks!

Mia Catharine Mattioli
Environmental Engineer
Centers for Disease Control and Prevention (CDC)
Department of Health and Human Services (HHS)
Office: (404) 718-5643

From: Mattioli, Mia Catharine (CDC/NCEZID/DFWED/WDPB)
Sent: Wednesday, July 16, 2025 5:28 PM
To: Lamba, Katherine@CDPH <Katherine.Lamba@cdph.ca.gov>; Miko, Shanna (CDC/NCEZID/DFWED/WDPB) <rhu6@cdc.gov>
Cc: Stainken, Cameron (CDC cdph.ca.gov) <cameron.stainken@cdph.ca.gov>; Kahler, Amy (CDC/NCEZID/DFWED/WDPB) <ete1@cdc.gov>; Kunz, Jasen M. (CDC/NCEZID/DFWED/WDPB) <izk0@cdc.gov>; Hill, Vincent (CDC/NCEZID/DFWED/WDPB) <veh2@cdc.gov>; McKeel, Haley (CDC/NCEZID/DFWED/EDLB) <hvw0@cdc.gov>
Subject: RE: Consultation re: STEC O157 cases exposed to natural recreational water in Butte County, CA

OK, thanks so much! This is very close and similar sounding to our Lake Wildwood *E. coli* O157:H7 outbreak in 2017 at almost the exact same time of year. In that case there were Canada geese amplifying the pathogen within the lake. I wonder if there are geese or other birds frequenting these untreated venues as well. I'm including our clinical enterics laboratory SME, Haley McKeel, who was also involved in the 2017 response.

Our team would be available this Friday (7/18) from 12-2 PM EST or next Monday (7/21) after 12 PM EST. If none of those times work for you all, let us know what works best for you, and we can move things on our end.

Thanks again for reaching out!

Mia

Mia Catharine Mattioli
Environmental Engineer
Centers for Disease Control and Prevention (CDC)
Department of Health and Human Services (HHS)
Office: (404) 718-5643

From: Lamba, Katherine@CDPH <Katherine.Lamba@cdph.ca.gov>
Sent: Wednesday, July 16, 2025 5:22 PM
To: Mattioli, Mia Catharine (CDC/NCEZID/DFWED/WDPB) <kuk9@cdc.gov>; Miko, Shanna (CDC/NCEZID/DFWED/WDPB) <rhu6@cdc.gov>
Cc: Stainken, Cameron (CDC cdph.ca.gov) <cameron.stainken@cdph.ca.gov>; Kahler, Amy (CDC/NCEZID/DFWED/WDPB)

<ete1@cdc.gov>; Kunz, Jasen M. (CDC/NCEZID/DFWED/WDPB) <izk0@cdc.gov>; Hill, Vincent (CDC/NCEZID/DFWED/WDPB) <veh2@cdc.gov>

Subject: RE: Consultation re: STEC O157 cases exposed to natural recreational water in Butte County, CA

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Fantastic, thanks! Let me check in with our Butte County colleagues then I will loop them in and can coordinate setting something up. In the meantime if you are able to share some time slots over the next several days that work for your team that would be great.

Yes- Sycamore pool is untreated water.

Kat

Katherine Lamba, MPH (she/her)
California Department of Public Health
Phone: 510-620-3429 | Email: Katherine.Lamba@cdph.ca.gov

Confidential - Low

From: Mattioli, Mia Catharine (CDC/NCEZID/DFWED/WDPB) <kuk9@cdc.gov>
Sent: Wednesday, July 16, 2025 2:11 PM
To: Lamba, Katherine@CDPH <Katherine.Lamba@cdph.ca.gov>; Miko, Shanna (CDC/NCEZID/DFWED/WDPB) <rhu6@cdc.gov>
Cc: Stainken, Cameron@CDPH <Cameron.Stainken@cdph.ca.gov>; Kahler, Amy (CDC/NCEZID/DFWED/WDPB) <ete1@cdc.gov>; Kunz, Jasen M. (CDC/NCEZID/DFWED/WDPB) <izk0@cdc.gov>; Hill, Vincent (CDC/NCEZID/DFWED/WDPB) <veh2@cdc.gov>
Subject: RE: Consultation re: STEC O157 cases exposed to natural recreational water in Butte County, CA

Hi Kat,

Thanks for reaching out! Yes, Shanna and I are the right contacts. Shanna is only leave this week so I've included her back-fill for outbreak support, Jasen Kunz. Jasen can set up a call to discuss sampling and testing. Our lab does both water and sediment testing for *E. coli* O157:H7, and we happy to discuss our sampling and testing methods. Of note, generic *E. coli* tests used for monitoring do *not* detect O157:H7 strains, which means those values alone cannot be used to evaluate risk of pathogen contamination.

Thanks for the outbreak notes as well. Just so I'm clear, this pool is untreated, correct? It is fed by a creek without further treatment?

Let us know if you would like to set up a call or prefer Jasen reach out, and thanks again!

Mia

Mia Catharine Mattioli
Environmental Engineer
Centers for Disease Control and Prevention (CDC)
Department of Health and Human Services (HHS)
Office: (404) 718-5643

From: Lamba, Katherine@CDPH <Katherine.Lamba@cdph.ca.gov>

Sent: Wednesday, July 16, 2025 5:05 PM

To: Mattioli, Mia Catharine (CDC/NCEZID/DFWED/WDPB) <kuk9@cdc.gov>; Miko, Shanna (CDC/NCEZID/DFWED/WDPB) <rhu6@cdc.gov>

Cc: Stainken, Cameron (CDC cdph.ca.gov) <cameron.stainken@cdph.ca.gov>

Subject: Consultation re: STEC O157 cases exposed to natural recreational water in Butte County, CA

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Hi Mia and Shanna,

Hoping you're still the right contacts to reach out to- if not, please forward as needed.

CDPH has been supporting Butte County in the investigation of STEC O157 cases they suspect are associated with a couple of related natural recreational water locations in Chico, CA. Butte County has been in discussions with the City of Chico regarding possible testing of water and sediment for STEC/STEC O157 and they are looking for guidance on sampling methods, interpretation of laboratory results, and considerations around water sampling. We're wondering if you and your team may be available to consult on this situation, possibly via a conference call?

Some background:

- Butte County initially identified 2 cases of STEC O157 [REDACTED], onsets [REDACTED], where exposure to [Sycamore Pool](#) (aka One-Mile recreational area/Bidwell Park) in Chico is the suspected exposure. WGS has been completed for one STEC case and is in process for the 2nd. No other closely related recent STEC isolates have been identified.
 - 1 additional STEC case with onset [REDACTED] and exposure to Sycamore pool on [REDACTED] was subsequently identified.
- Sycamore pool is a man-made concrete swimming 'pool' with fresh natural recreational water and is connected to Big Chico Creek
- On 7/1/25, the City of Chico issued a [swimming advisory](#) at Sycamore pool due to elevated E. coli levels from routine testing. Samples are routinely collected upstream and downstream from Sycamore pool. The [pool is closed 7/16-7/18](#) for routine sediment removal/cleaning.
- Butte County has now identified 2 additional STEC cases, onsets [REDACTED] with exposure to the [Five Mile recreational area](#) in Chico, which is also connected to the Big Chico Creek but is about 3 miles east of Sycamore Pool. WGS is pending to determine if these cases have STEC isolates that are related to cases with Sycamore pool exposure.

Thank you, and Cameron please chime in if I've missed any relevant info.

Kat

Katherine Lamba, MPH (she/her)

Epidemiologist

Disease Investigations Section | Infectious Diseases Branch

Center for Infectious Diseases

California Department of Public Health

Phone: 510-620-3429 | Email: Katherine.Lamba@cdph.ca.gov

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Beaudoin, Jarett

From: Beaudoin, Jarett
Sent: Friday, July 25, 2025 12:48 PM
To: Thao, May; Villegas, Roxanne
Subject: Fw: Consultation re: STEC O157 cases exposed to natural recreational water in Butte County, CA

FYI WGS results for STEC

Jarett Beaudoin
Public Health Officer
Butte County Public Health

From: Cox, Erin <ECox@buttecounty.net>
Sent: Friday, July 25, 2025 8:08:31 AM
To: Mattioli, Mia Catharine (CDC/NCEZID/DFWED/WDPB) <kuk9@cdc.gov>; Parker, Thomas <TParker@buttecounty.net>
Cc: Wais, Ashley <AWais@buttecounty.net>; Beaudoin, Jarett <JBeaudoin@buttecounty.net>
Subject: Re: Consultation re: STEC O157 cases exposed to natural recreational water in Butte County, CA

Great work all! Thank you Mia for the update!

Erin

Erin Cox, MHS (Ret. FP-C, Paramedic) (she/her/hers)
Division Director
Emergency Preparedness and Infectious Disease Control (EPIC)
Public Health Laboratory

[BUTTE COUNTY PUBLIC HEALTH](#)
[2080 E20th Street Suite 180 Chico CA 95928](#)
M: 530.693.5674 F: 530.538.2165
ecox@buttecounty.net
<https://www.buttecounty.net/610/Public-Health>

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From: Mattioli, Mia Catharine (CDC/NCEZID/DFWED/WDPB) <kuk9@cdc.gov>
Sent: Friday, July 25, 2025 5:54
To: Parker, Thomas <TParker@buttecounty.net>

Cc: Wais, Ashley <AWais@buttecounty.net>; Cox, Erin <ECox@buttecounty.net>; Beaudoin, Jarett <JBeaudoin@buttecounty.net>

Subject: RE: Consultation re: STEC O157 cases exposed to natural recreational water in Butte County, CA

Hi Tom and Ashley,

I wanted to let you know the samples arrived in our lab this morning safely. Great work yesterday!

I'll let you know if we have any questions as we process.

Thanks so much!

Mia

Mia Catharine Mattioli
Environmental Engineer
Centers for Disease Control and Prevention (CDC)
Department of Health and Human Services (HHS)
Office: (404) 718-5643

-----Original Appointment-----

From: Mattioli, Mia Catharine (CDC/NCEZID/DFWED/WDPB)

Sent: Wednesday, July 23, 2025 1:38 PM

To: Mattioli, Mia Catharine (CDC/NCEZID/DFWED/WDPB); Parker, Thomas

Cc: Wais, Ashley; Cox, Erin; Beaudoin, Jarett

Subject: Consultation re: STEC O157 cases exposed to natural recreational water in Butte County, CA

When: Wednesday, July 23, 2025 4:00 PM-5:00 PM (UTC-05:00) Eastern Time (US & Canada).

Where: Microsoft Teams Meeting

Hi Tom,

Please see the link below for a meeting this afternoon. Feel free to share with others on your side. Unfortunately, Amy is out this week but will be back on Friday to process the samples.

Thanks!

Mia

Microsoft Teams [Need help?](#)

[Join the meeting now](#)

Meeting ID: 268 994 982 945 3

Passcode: qq9cJ2Md

Dial in by phone

[+1 404-718-3800,,940501782#](#) United States, Atlanta

[\(888\) 994-4478](tel:(888)994-4478), [940501782](tel:940501782)# United States (Toll-free)

[Find a local number](#)

Phone conference ID: 940 501 782#

For organizers: [Meeting options](#) | [Reset dial-in PIN](#)

From: Parker, Thomas <TParker@buttecounty.net>

Sent: Wednesday, July 23, 2025 1:28 PM

To: Mattioli, Mia Catharine (CDC/NCEZID/DFWED/WDPB) <kuk9@cdc.gov>

Subject: RE: Consultation re: STEC O157 cases exposed to natural recreational water in Butte County, CA

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Yes, absolutely. As close to 4 PM (1 PM pacific time) would be best since I'll want to get out and scout a couple of potential locations to make sure there is adequate silt at these locations.

Thomas Parker

Program Manager, Hazardous Materials

[BUTTE COUNTY PUBLIC HEALTH](#)

[202 Mira Loma Drive | Oroville, CA 95965](#)

T: 530.552.3870 | D: [530.552.3870](tel:530.552.3870)

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From: Mattioli, Mia Catharine (CDC/NCEZID/DFWED/WDPB) <kuk9@cdc.gov>

Sent: Wednesday, July 23, 2025 10:21 AM

To: Parker, Thomas <TParker@buttecounty.net>; Kahler, Amy (CDC/NCEZID/DFWED/WDPB) <ete1@cdc.gov>

Subject: RE: Consultation re: STEC O157 cases exposed to natural recreational water in Butte County, CA

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Yes, that would be great! Are you available after 4 PM EST?

Mia

Mia Catharine Mattioli

Environmental Engineer
Centers for Disease Control and Prevention (CDC)
Department of Health and Human Services (HHS)
Office: (404) 718-5643

Highly Sensitive/Any User (No encryption)

From: Parker, Thomas <TParker@buttecounty.net>
Sent: Wednesday, July 23, 2025 1:18 PM
To: Mattioli, Mia Catharine (CDC/NCEZID/DFWED/WDPB) <kuk9@cdc.gov>; Kahler, Amy (CDC/NCEZID/DFWED/WDPB) <ete1@cdc.gov>
Subject: RE: Consultation re: STEC O157 cases exposed to natural recreational water in Butte County, CA

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Thank you Mia. We had a good meeting regarding sampling locations and we are planning on completing the sampling tomorrow. Is there a chance we could do a quick Teams meeting so I can go over the sampling locations with you two. I think it would be easier for a visual for some of our rationale.

Thanks,

Thomas Parker
Program Manager, Hazardous Materials
[BUTTE COUNTY PUBLIC HEALTH](#)
[202 Mira Loma Drive | Oroville, CA 95965](#)
T: 530.552.3870 | D: [530.552.3870](tel:530.552.3870)

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From: Mattioli, Mia Catharine (CDC/NCEZID/DFWED/WDPB) <kuk9@cdc.gov>
Sent: Wednesday, July 23, 2025 9:28 AM
To: Parker, Thomas <TParker@buttecounty.net>; Kahler, Amy (CDC/NCEZID/DFWED/WDPB) <ete1@cdc.gov>
Subject: RE: Consultation re: STEC O157 cases exposed to natural recreational water in Butte County, CA

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Hi Thomas,

Thank you so much for being so thorough with your prep! The sampling and analysis plan looks great!

For the sample collection log, I think the CDC Chain of Custody is sufficient as it can capture the information in the spreadsheet. However, if you would like to have the data in both places, it looks great! We're working with EPA currently to create a more mobile friendly version of our COC so hopefully in the future that will make this effort easier.

I'm so glad you were able to touch base with Amy! Also, please feel free to call or text my cell ([REDACTED]) if you have any questions while in the field. Do you have a firm sampling date?

Thanks again!

Mia

Mia Catharine Mattioli
Environmental Engineer
Centers for Disease Control and Prevention (CDC)
Department of Health and Human Services (HHS)
Office: (404) 718-5643

Highly Sensitive/Any User (No encryption)

From: Parker, Thomas <TParker@buttecounty.net>

Sent: Tuesday, July 22, 2025 7:11 PM

To: Mattioli, Mia Catharine (CDC/NCEZID/DFWED/WDPB) <kuk9@cdc.gov>; Kahler, Amy (CDC/NCEZID/DFWED/WDPB) <ete1@cdc.gov>

Subject: RE: Consultation re: STEC O157 cases exposed to natural recreational water in Butte County, CA

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Mia and Amy – Thank you for all of your help answering my questions. Attached are the Draft Sampling Plan and Field Data sheets. Could you take a look and let me know if there are any issues or glaring mistakes? Writing this down has helped me understand the sampling procedure so I am feeling really confident about it. And speaking with Amy Irani has helped as well. I look forward to going through the equipment you sent tomorrow to familiarize myself with it.

Thanks,

Thomas Parker

Program Manager, Hazardous Materials
[BUTTE COUNTY PUBLIC HEALTH](#)
[202 Mira Loma Drive | Oroville, CA 95965](#)
T: 530.552.3870 | D: [530.552.3870](tel:530.552.3870)

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From: Mattioli, Mia Catharine (CDC/NCEZID/DFWED/WDPB) <kuk9@cdc.gov>
Sent: Tuesday, July 22, 2025 2:56 PM
To: Parker, Thomas <TParker@buttecounty.net>
Cc: Kahler, Amy (CDC/NCEZID/DFWED/WDPB) <ete1@cdc.gov>
Subject: RE: Consultation re: STEC O157 cases exposed to natural recreational water in Butte County, CA

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No sodium thiosulfate need for surface waters. Thanks for asking!

Mia

Mia Catharine Mattioli
Environmental Engineer
Centers for Disease Control and Prevention (CDC)
Department of Health and Human Services (HHS)
Office: (404) 718-5643

Highly Sensitive/Any User (No encryption)

From: Parker, Thomas <TParker@buttecounty.net>
Sent: Tuesday, July 22, 2025 5:53 PM
To: Mattioli, Mia Catharine (CDC/NCEZID/DFWED/WDPB) <kuk9@cdc.gov>
Cc: Kahler, Amy (CDC/NCEZID/DFWED/WDPB) <ete1@cdc.gov>
Subject: RE: Consultation re: STEC O157 cases exposed to natural recreational water in Butte County, CA

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Thank you, all good information. Another question. I assume that there will not be free chlorine in the water but it could be another bad assumption. Do you think I will need to be using the sodium thiosulphate preservative?

Thomas Parker
Program Manager, Hazardous Materials
[BUTTE COUNTY PUBLIC HEALTH](#)
[202 Mira Loma Drive | Oroville, CA 95965](#)
T: 530.552.3870 | D: [530.552.3870](tel:530.552.3870)

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From: Mattioli, Mia Catharine (CDC/NCEZID/DFWED/WDPB) <kuk9@cdc.gov>

Sent: Tuesday, July 22, 2025 2:39 PM

To: Parker, Thomas <TParker@buttecounty.net>

Cc: Kahler, Amy (CDC/NCEZID/DFWED/WDPB) <ete1@cdc.gov>; Roundtree, Alexis V. (CDC/NCEZID/DFWED/WDPB) (CTR) <hj5@cdc.gov>; McKeel, Haley (CDC/NCEZID/DFWED/EDLB) <hvw0@cdc.gov>; Lamba, Katherine@CDPH <Katherine.Lamba@cdph.ca.gov>; Wais, Ashley <AWais@buttecounty.net>; Kunz, Jasen M. (CDC/NCEZID/DFWED/WDPB) <izk0@cdc.gov>

Subject: RE: Consultation re: STEC O157 cases exposed to natural recreational water in Butte County, CA

ATTENTION: This message originated from outside **Butte County**. Please exercise judgment before opening attachments, clicking on links, or replying.

Hi Thomas,

The sampling supplies have been shipping and should arrive tomorrow morning (FedEx tracking number **450145173848**).

I've attached a quick guide for sampling and shipping based on our discussion on sampling sites. The shipping information back to CDC is also pasted in this email below, and of note, please ship the samples on ice (not frozen) **first overnight via FedEx**. The ice packs we have provided could not be shipped frozen so please freeze before sampling or use alternative blue ice.

I have also attached our protocol for your reference and an electronic copy of our Chain of Custody form, though both are provided as print outs on a clipboard with the sampling supplies.

Let us know as soon as you can what day you plan to sample. This will help us to plan in the labs for testing. My cell number is [REDACTED] Don't hesitate to call if you have any questions at all.

Thanks!

Mia

Mia Catharine Mattioli
Environmental Engineer
Centers for Disease Control and Prevention (CDC)
Department of Health and Human Services (HHS)
Office: (404) 718-5643

Highly Sensitive/Any User (No encryption)

From: Parker, Thomas <TParker@buttecounty.net>

Sent: Tuesday, July 22, 2025 2:46 PM

To: Mattioli, Mia Catharine (CDC/NCEZID/DFWED/WDPB) <kuk9@cdc.gov>; Kahler, Amy (CDC/NCEZID/DFWED/WDPB) <ete1@cdc.gov>

Subject: RE: Consultation re: STEC O157 cases exposed to natural recreational water in Butte County, CA

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No worries, Mia and thanks for the response. That really helps. Will you be sending us a meter for water quality parameters (pH, temp, ect.)? I've used on in the past so I can certainly do that if it is helpful.

Thanks,

Thomas Parker

Program Manager, Hazardous Materials
[BUTTE COUNTY PUBLIC HEALTH](#)
[202 Mira Loma Drive | Oroville, CA 95965](#)
T: 530.552.3870 | D: [530.552.3870](#)

**Environmental Health Fees are being amended to include an ECI increase. The fees go into effect 01/01/2024..*

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From: Mattioli, Mia Catharine (CDC/NCEZID/DFWED/WDPB) <kuk9@cdc.gov>

Sent: Tuesday, July 22, 2025 11:34 AM

To: Parker, Thomas <TParker@buttecounty.net>; Kahler, Amy (CDC/NCEZID/DFWED/WDPB) <ete1@cdc.gov>

Subject: RE: Consultation re: STEC O157 cases exposed to natural recreational water in Butte County, CA

ATTENTION: This message originated from outside **Butte County**. Please exercise judgment before opening attachments, clicking on links, or replying.

Hi Thomas,

Apologies for the delayed response! We were shipping the supplies to you this morning. I will share the FedEx tracking number ASAP.

For the sediment, yes. That is the correct procedure to collect. Nothing fancy!

We seal the bottles (especially the sediment ones) with parafilm (provided), and then we have a sterile zip-lock bag for you to put that sediment bottle into for secondary containment. We don't use custody seals since this is non-regulatory.

I will be sending you a quick guide list of sampling sites and measurements for each site. But I'd be happy to review with you when you are done. We sincerely appreciate your thoroughness!

Mia

Mia Catharine Mattioli
Environmental Engineer
Centers for Disease Control and Prevention (CDC)
Department of Health and Human Services (HHS)
Office: (404) 718-5643

From: Parker, Thomas <TParker@buttecounty.net>
Sent: Tuesday, July 22, 2025 11:51 AM
To: Kahler, Amy (CDC/NCEZID/DFWED/WDPB) <ete1@cdc.gov>
Cc: Mattioli, Mia Catharine (CDC/NCEZID/DFWED/WDPB) <kuk9@cdc.gov>
Subject: RE: Consultation re: STEC O157 cases exposed to natural recreational water in Butte County, CA

CAUTION: This email originated from outside of the organization. Do not click links or open attachments unless you recognize the sender and know the content is safe.

Hi Amy and Mia- I am finishing up my sampling plan this morning and had a few questions regarding the sediment sampling. My understanding from the phone call is that we will fill a 1 Liter bottle half full with the sediment, using a disposable scoop and drain off as much water as possible. Is this a poly bottle with a wide top or just a normal 1 liter bottle? Also, does the pack you sent contain custody seals as well? I can use tape if not. Also, after I complete my sampling plan, is there a chance one of you can do a quick review to make sure I am not missing anything or have something wrong in the process? I am trying to be as thorough as possible in case we have future sampling and I am not available.

Thanks,

Thomas Parker

Program Manager, Hazardous Materials
[BUTTE COUNTY PUBLIC HEALTH](#)
[202 Mira Loma Drive | Oroville, CA 95965](#)
T: 530.552.3870 | D: [530.552.3870](tel:530.552.3870)

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From: Kahler, Amy (CDC/NCEZID/DFWED/WDPB) <ete1@cdc.gov>
Sent: Monday, July 21, 2025 12:30 PM
To: Parker, Thomas <TParker@buttecounty.net>
Cc: Mattioli, Mia Catharine (CDC/NCEZID/DFWED/WDPB) <kuk9@cdc.gov>
Subject: RE: Consultation re: STEC O157 cases exposed to natural recreational water in Butte County, CA

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Hi Thomas,

We will send you two small-ish batteries to use. Both batteries will fit into the pump case and it will be heavy but portable. In a pinch you can also use the adapter that plugs into the cigarette lighter contraption in a car (I don't know what it's called any more). We'll send the cables for both options – although the battery option is the easiest.

Thanks,
Amy

From: Parker, Thomas <TParker@buttecounty.net>
Sent: Monday, July 21, 2025 3:24 PM
To: Kahler, Amy (CDC/NCEZID/DFWED/WDPB) <ete1@cdc.gov>
Cc: Mattioli, Mia Catharine (CDC/NCEZID/DFWED/WDPB) <kuk9@cdc.gov>
Subject: RE: Consultation re: STEC O157 cases exposed to natural recreational water in Butte County, CA

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Thank you Amy, that is great advice. Another question for you. The peristaltic pump requires a 12-volt battery for power. Would this be a car battery or is there another smaller battery that can be used. Getting a car battery to some of these locations may be difficult.

Thanks,

Thomas Parker
Program Manager, Hazardous Materials
[BUTTE COUNTY PUBLIC HEALTH](#)
[202 Mira Loma Drive | Oroville, CA 95965](#)
T: 530.552.3870 | D: [530.552.3870](tel:530.552.3870)

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From: Kahler, Amy (CDC/NCEZID/DFWED/WDPB) <ete1@cdc.gov>
Sent: Monday, July 21, 2025 12:10 PM
To: Parker, Thomas <TParker@buttecounty.net>
Cc: Mattioli, Mia Catharine (CDC/NCEZID/DFWED/WDPB) <kuk9@cdc.gov>
Subject: RE: Consultation re: STEC O157 cases exposed to natural recreational water in Butte County, CA

ATTENTION: This message originated from outside **Butte County**. Please exercise judgment before opening attachments, clicking on links, or replying.

Hi Thomas,

Sometimes the decision about where to collect the water sample is more about the logistics of where you can access the site – so if any locations present logistical challenges in accessing the water, any sample you can take is OK! However, if you have the luxury of choice, I'd say opt for flowing water over stagnant, with one caveat. If the water is flowing too fast, you could have issues keeping the tubing submerged with all the movement. We will send tubing weights you can attach to the tubing with a zip tie to help keep the tubing submerged, but it may also help if the water isn't too turbulent to begin with. With the weights there is a bit of balancing act though. You'll want to keep watch to make sure the tubing

doesn't suck up too much sediment. We like to attach the weight several inches up from the end of the tubing so that the tubing end can point up, away from the sediment. We also orient the flow so that the ultrafilter filtrate gets released downstream from the intake – if the water is stagnant, you'll want to make sure the filtrate is released far enough downstream to not disturb the intake water. You can also let the filtrate flow onto the grass/banks if that's not too messy.

Taking the sediment sample downstream of the water intake is exactly the right approach. If this isn't physically possible, you could also wait and take the sediment sample after filtration is complete.

Thanks,
Amy

From: Parker, Thomas <TParker@buttecounty.net>
Sent: Monday, July 21, 2025 2:37 PM
To: Kahler, Amy (CDC/NCEZID/DFWED/WDPB) <ete1@cdc.gov>
Subject: RE: Consultation re: STEC O157 cases exposed to natural recreational water in Butte County, CA

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Thank you, that was my thought regarding the sediment sampling but I was not sure. I scouted out a few locations during my run over the weekend which had both. And thanks for the timeline for collecting the filtered samples. I just went through that part of the protocol so that is reassuring. For the filtered samples, is there a preference between collecting in still water vs faster flowing water? I have not noticed that in the protocol yet. I plan to take the water samples upstream from the sediment samples to avoid any silt/sediment from entering the filtration.

Thanks,

Thomas Parker
Program Manager, Hazardous Materials
[BUTTE COUNTY PUBLIC HEALTH](#)
[202 Mira Loma Drive | Oroville, CA 95965](#)
T: 530.552.3870 | D: [530.552.3870](tel:530.552.3870)

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From: Kahler, Amy (CDC/NCEZID/DFWED/WDPB) <ete1@cdc.gov>
Sent: Monday, July 21, 2025 11:26 AM
To: Parker, Thomas <TParker@buttecounty.net>; Mattioli, Mia Catharine (CDC/NCEZID/DFWED/WDPB) <kuk9@cdc.gov>
Subject: RE: Consultation re: STEC O157 cases exposed to natural recreational water in Butte County, CA

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Hi Thomas,

For the sediment sampling, we recommend going for the more silty sediment, if possible. The ultrafiltration procedure takes about 30 minutes for 50-L of water from start to finish. It will take a few minutes of setup, but once the filter is running you'll get 50-L through in 15-20 minutes at a 3-4 L/min flow rate. Then a few minutes of cleanup and you're on to the next site!

Thanks,
Amy

From: Parker, Thomas <TParker@buttecounty.net>

Sent: Monday, July 21, 2025 1:06 PM

To: Mattioli, Mia Catharine (CDC/NCEZID/DFWED/WDPB) <kuk9@cdc.gov>; Kahler, Amy (CDC/NCEZID/DFWED/WDPB) <ete1@cdc.gov>

Subject: RE: Consultation re: STEC O157 cases exposed to natural recreational water in Butte County, CA

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Thank you Mia. I have just two right now since I have not been able to read the protocol yet.

1. For the sediment sampling, is there a preference between sand or silt? Or does it matter?
2. How long does it typically take to filter the 50 liters of water? I am in the pre-planning stages and need to estimate time out in the field, coupled with my upcoming vacations.

Thanks,

Thomas Parker

Program Manager, Hazardous Materials

[BUTTE COUNTY PUBLIC HEALTH](#)

[202 Mira Loma Drive | Oroville, CA 95965](#)

T: 530.552.3870 | D: [530.552.3870](tel:530.552.3870)

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From: Mattioli, Mia Catharine (CDC/NCEZID/DFWED/WDPB) <kuk9@cdc.gov>

Sent: Monday, July 21, 2025 9:56 AM

To: Parker, Thomas <TParker@buttecounty.net>; Wais, Ashley <AWais@buttecounty.net>; Lamba, Katherine@CDPH

<Katherine.Lamba@cdph.ca.gov>; Miko, Shanna (CDC/NCEZID/DFWED/WDPB) <rhu6@cdc.gov>; Beaudoin, Jarett <JBeaudoin@buttecounty.net>

Cc: Stainken, Cameron (CDC cdph.ca.gov) <cameron.stainken@cdph.ca.gov>; Kahler, Amy (CDC/NCEZID/DFWED/WDPB) <ete1@cdc.gov>; Kunz, Jasen M. (CDC/NCEZID/DFWED/WDPB) <izk0@cdc.gov>; Hill, Vincent (CDC/NCEZID/DFWED/WDPB) <veh2@cdc.gov>; McKeel, Haley (CDC/NCEZID/DFWED/EDLB) <hvw0@cdc.gov>; Strockbine, Nancy (CDC/NCEZID/DFWED/EDLB) <nas6@cdc.gov>; McSpadden, Elaine <EMcspadden@buttecounty.net>
Subject: RE: Consultation re: STEC O157 cases exposed to natural recreational water in Butte County, CA

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Hi Thomas,

You can direct those questions to myself and Amy Kahler (ete1@cdc.gov). Look forward to working with you!

Mia

Mia Catharine Mattioli
Environmental Engineer
Centers for Disease Control and Prevention (CDC)
Department of Health and Human Services (HHS)
Office: (404) 718-5643

From: Parker, Thomas <TParker@buttecounty.net>

Sent: Monday, July 21, 2025 12:35 PM

To: Mattioli, Mia Catharine (CDC/NCEZID/DFWED/WDPB) <kuk9@cdc.gov>; Wais, Ashley <AWais@buttecounty.net>; Lamba, Katherine@CDPH <Katherine.Lamba@cdph.ca.gov>; Miko, Shanna (CDC/NCEZID/DFWED/WDPB) <rhu6@cdc.gov>; Beaudoin, Jarett <JBeaudoin@buttecounty.net>

Cc: Stainken, Cameron (CDC cdph.ca.gov) <cameron.stainken@cdph.ca.gov>; Kahler, Amy (CDC/NCEZID/DFWED/WDPB) <ete1@cdc.gov>; Kunz, Jasen M. (CDC/NCEZID/DFWED/WDPB) <izk0@cdc.gov>; Hill, Vincent (CDC/NCEZID/DFWED/WDPB) <veh2@cdc.gov>; McKeel, Haley (CDC/NCEZID/DFWED/EDLB) <hvw0@cdc.gov>; Strockbine, Nancy (CDC/NCEZID/DFWED/EDLB) <nas6@cdc.gov>; McSpadden, Elaine <EMcspadden@buttecounty.net>
Subject: RE: Consultation re: STEC O157 cases exposed to natural recreational water in Butte County, CA

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Thank you Mia. If I have specific questions regarding sampling protocols or procedures, should I direct them to you or someone else?

Thomas Parker
Program Manager, Hazardous Materials
[BUTTE COUNTY PUBLIC HEALTH](#)
[202 Mira Loma Drive | Oroville, CA 95965](#)
T: 530.552.3870 | D: [530.552.3870](tel:530.552.3870)

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From: Mattioli, Mia Catharine (CDC/NCEZID/DFWED/WDPB) <kuk9@cdc.gov>

Sent: Monday, July 21, 2025 9:26 AM

To: Wais, Ashley <AWais@buttecounty.net>; Lamba, Katherine@CDPH <Katherine.Lamba@cdph.ca.gov>; Miko, Shanna (CDC/NCEZID/DFWED/WDPB) <rhu6@cdc.gov>; Beaudoin, Jarrett <JBeaudoin@buttecounty.net>

Cc: Stainken, Cameron (CDC cdph.ca.gov) <cameron.stainken@cdph.ca.gov>; Kahler, Amy (CDC/NCEZID/DFWED/WDPB) <ete1@cdc.gov>; Kunz, Jasen M. (CDC/NCEZID/DFWED/WDPB) <izk0@cdc.gov>; Hill, Vincent (CDC/NCEZID/DFWED/WDPB) <veh2@cdc.gov>; McKeel, Haley (CDC/NCEZID/DFWED/EDLB) <hvw0@cdc.gov>;

Strockbine, Nancy (CDC/NCEZID/DFWED/EDLB) <nas6@cdc.gov>; McSpadden, Elaine <EMcspadden@buttecounty.net>; Parker, Thomas <TParker@buttecounty.net>

Subject: RE: Consultation re: STEC O157 cases exposed to natural recreational water in Butte County, CA

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Wonderful! We're work to get the supplies and sampling guidance to you asap.

I also realized I didn't answer you other question. The sediment sample you collect will be great to test (O157 is very hardy in sediment). Just be sure to keep it at 4C and ship on ice packs, which we will send. You can wait to send it with the other samples.

Also, you'll have my cell so we can facetime to troubleshoot any issues as well.

Thanks!

Mia

Mia Catharine Mattioli
Environmental Engineer
Centers for Disease Control and Prevention (CDC)
Department of Health and Human Services (HHS)
Office: (404) 718-5643

From: Wais, Ashley <AWais@buttecounty.net>

Sent: Monday, July 21, 2025 12:23 PM

To: Mattioli, Mia Catharine (CDC/NCEZID/DFWED/WDPB) <kuk9@cdc.gov>; Lamba, Katherine@CDPH <Katherine.Lamba@cdph.ca.gov>; Miko, Shanna (CDC/NCEZID/DFWED/WDPB) <rhu6@cdc.gov>; Beaudoin, Jarrett <JBeaudoin@buttecounty.net>

Cc: Stainken, Cameron (CDC cdph.ca.gov) <cameron.stainken@cdph.ca.gov>; Kahler, Amy (CDC/NCEZID/DFWED/WDPB) <ete1@cdc.gov>; Kunz, Jasen M. (CDC/NCEZID/DFWED/WDPB) <izk0@cdc.gov>; Hill, Vincent (CDC/NCEZID/DFWED/WDPB) <veh2@cdc.gov>; McKeel, Haley (CDC/NCEZID/DFWED/EDLB) <hvw0@cdc.gov>;

Strockbine, Nancy (CDC/NCEZID/DFWED/EDLB) <nas6@cdc.gov>; McSpadden, Elaine <EMcspadden@buttecounty.net>; Parker, Thomas <TParker@buttecounty.net>

Subject: RE: Consultation re: STEC O157 cases exposed to natural recreational water in Butte County, CA

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Hi Mia,

Thank you for this insight. Below is the appropriate address to ship the supplies to.

Butte County Environmental Health
ATTN: Tom Parker
202 Mira Loma Drive
Oroville, CA 95965

In the meantime, the Butte County team will review the water sampling protocol shared in the meeting and have internal discussions to confirm sampling locations. I believe that we will have additional questions before we conduct sampling and greatly appreciate the CDC team's support and guidance during this project.

Thank you,

Ashley Wais, MPH, CIC®

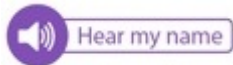
Epidemiologist

[BUTTE COUNTY PUBLIC HEALTH](#)

[202 Mira Loma Drive | Oroville, CA 95965](#)

T: [530-552-3950](#) | M: [530-300-4166](#)

<https://www.buttecounty.net/610/Public-Health>



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From: Mattioli, Mia Catharine (CDC/NCEZID/DFWED/WDPB) <kuk9@cdc.gov>

Sent: Saturday, July 19, 2025 11:31 AM

To: Wais, Ashley <AWais@buttecounty.net>; Lamba, Katherine@CDPH <Katherine.Lamba@cdph.ca.gov>; Miko, Shanna (CDC/NCEZID/DFWED/WDPB) <rhu6@cdc.gov>; Beaudoin, Jarett <JBeaudoin@buttecounty.net>

Cc: Stainken, Cameron (CDC cdph.ca.gov) <cameron.stainken@cdph.ca.gov>; Kahler, Amy (CDC/NCEZID/DFWED/WDPB) <ete1@cdc.gov>; Kunz, Jasen M. (CDC/NCEZID/DFWED/WDPB) <izk0@cdc.gov>; Hill, Vincent (CDC/NCEZID/DFWED/WDPB) <veh2@cdc.gov>; McKeel, Haley (CDC/NCEZID/DFWED/EDLB) <hvw0@cdc.gov>; Strockbine, Nancy (CDC/NCEZID/DFWED/EDLB) <nas6@cdc.gov>

Subject: RE: Consultation re: STEC O157 cases exposed to natural recreational water in Butte County, CA

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Hi Ashley,

It was great speaking with you all on Friday. We are happy to support sampling and testing of the creek associated with the *E. coli* O157:H7 outbreak.

Based on our discussion, we would recommend water and sediment sampling at the following **5 locations**: the three swimming sites associated with exposure, immediately downstream of the golf course but upstream of the first swimming location, and further upstream where the wildfire sediment deposited. We would test these samples for *E. coli* O157:H7 and generic fecal indicator *E. coli*, as well as microbial source tracking markers specific to feces for birds, ruminants, and humans and markers specific to mitochondria of goose (given the Wildwood association). As mentioned on the call, Amy Irani in Nevada County did the sampling for the Lake Wildwood outbreak and is familiar with our large volume ultrafiltration sampling procedure so we would recommend asking if she can support given that experience.

If you all are OK with this plan, we can provide more details on the sampling and supplies, but first we **need the best address to ship**. Likely the earliest we can get the supplies to you all is Wednesday morning so sampling could occur on Wednesday and Thursday at the earliest. Friday sampling is tricky because Saturday delivery by FedEx is often problematic.

Thanks again for reaching out and look forward to working with you all!

Mia

Mia Catharine Mattioli
Environmental Engineer
Centers for Disease Control and Prevention (CDC)
Department of Health and Human Services (HHS)
Office: (404) 718-5643

From: Wais, Ashley <AWais@buttecounty.net>

Sent: Friday, July 18, 2025 6:45 PM

To: Lamba, Katherine@CDPH <Katherine.Lamba@cdph.ca.gov>; Mattioli, Mia Catharine (CDC/NCEZID/DFWED/WDPB) <kuk9@cdc.gov>; Miko, Shanna (CDC/NCEZID/DFWED/WDPB) <rhu6@cdc.gov>; Beaudoin, Jarett <JBeaudoin@buttecounty.net>

Cc: Stainken, Cameron (CDC cdph.ca.gov) <cameron.stainken@cdph.ca.gov>; Kahler, Amy (CDC/NCEZID/DFWED/WDPB) <ete1@cdc.gov>; Kunz, Jasen M. (CDC/NCEZID/DFWED/WDPB) <izk0@cdc.gov>; Hill, Vincent (CDC/NCEZID/DFWED/WDPB) <veh2@cdc.gov>; McKeel, Haley (CDC/NCEZID/DFWED/EDLB) <hvw0@cdc.gov>; Strockbine, Nancy (CDC/NCEZID/DFWED/EDLB) <nas6@cdc.gov>

Subject: RE: Consultation re: STEC O157 cases exposed to natural recreational water in Butte County, CA

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Hi CDC/CDPH teams,

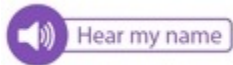
Thank you all so much for your time and support with this scenario. We will await further guidance on next steps.

I would also love to reach out to Jordan who was on the call speaking about the sequencing results, but I do not see them on this email chain currently. If someone from the CDC team could send me their contact info, that would be much appreciated.

Lastly, the City of Chico collected a sediment sample while conducting their cleaning efforts yesterday. I wanted to confirm if there was a time frame in which that needs to be tested for it to be viable?

Thank you again,

Ashley Wais, MPH, CIC®
Epidemiologist
BUTTE COUNTY PUBLIC HEALTH
202 Mira Loma Drive | Oroville, CA 95965
T: 530-552-3950 | M: 530-300-4166
<https://www.buttecounty.net/610/Public-Health>



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From: Lamba, Katherine@CDPH <Katherine.Lamba@cdph.ca.gov>
Sent: Friday, July 18, 2025 9:48 AM
To: Wais, Ashley <AWais@buttecounty.net>; 'Mattioli, Mia Catharine (CDC/NCEZID/DFWED/WDPB)' <kuk9@cdc.gov>; Miko, Shanna (CDC/NCEZID/DFWED/WDPB) <rhu6@cdc.gov>; Beaudoin, Jarett <jbeaudoin@buttecounty.net>
Cc: Stainken, Cameron@CDPH <Cameron.Stainken@cdph.ca.gov>; Kahler, Amy (CDC/NCEZID/DFWED/WDPB) <ete1@cdc.gov>; Kunz, Jasen M. (CDC/NCEZID/DFWED/WDPB) <izk0@cdc.gov>; Hill, Vincent (CDC/NCEZID/DFWED/WDPB) <veh2@cdc.gov>; McKeel, Haley (CDC/NCEZID/DFWED/EDLB) <hvw0@cdc.gov>; Strockbine, Nancy (CDC/NCEZID/DFWED/EDLB) <nas6@cdc.gov>
Subject: RE: Consultation re: STEC O157 cases exposed to natural recreational water in Butte County, CA

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[Redacted]

[Redacted]	[Redacted]	[Redacted]	[Redacted]	[Redacted]	[Redacted]	[Redacted]	[Redacted]
[Redacted]	[Redacted]	[Redacted]	[Redacted]	[Redacted]	[Redacted]	[Redacted]	[Redacted]
[Redacted]	[Redacted]	[Redacted]	[Redacted]	[Redacted]	[Redacted]	[Redacted]	[Redacted]
[Redacted]	[Redacted]	[Redacted]	[Redacted]	[Redacted]	[Redacted]	[Redacted]	[Redacted]
[Redacted]	[Redacted]	[Redacted]	[Redacted]	[Redacted]	[Redacted]	[Redacted]	[Redacted]
[Redacted]	[Redacted]	[Redacted]	[Redacted]	[Redacted]	[Redacted]	[Redacted]	[Redacted]

Kat

Katherine Lamba, MPH (she/her)
California Department of Public Health
Phone: 510-620-3429 | Email: Katherine.Lamba@cdph.ca.gov

Confidential - Low

From: Wais, Ashley <AWais@buttecounty.net>
Sent: Thursday, July 17, 2025 4:14 PM
To: Lamba, Katherine@CDPH <Katherine.Lamba@cdph.ca.gov>; 'Mattioli, Mia Catharine (CDC/NCEZID/DFWED/WDPB)' <kuk9@cdc.gov>; Miko, Shanna (CDC/NCEZID/DFWED/WDPB) <rhu6@cdc.gov>; Beaudoin, Jarett <jbeaudoin@buttecounty.net>
Cc: Stainken, Cameron@CDPH <Cameron.Stainken@cdph.ca.gov>; Kahler, Amy (CDC/NCEZID/DFWED/WDPB) <ete1@cdc.gov>; Kunz, Jasen M. (CDC/NCEZID/DFWED/WDPB) <izk0@cdc.gov>; Hill, Vincent (CDC/NCEZID/DFWED/WDPB) <veh2@cdc.gov>; McKeel, Haley (CDC/NCEZID/DFWED/EDLB) <hvw0@cdc.gov>; Strockbine, Nancy (CDC/NCEZID/DFWED/EDLB) <nas6@cdc.gov>
Subject: RE: Consultation re: STEC O157 cases exposed to natural recreational water in Butte County, CA

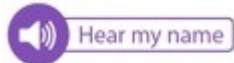
Hi Kat,

Thank you for this update. For the table below there are a few exposures that need to be updated.

[REDACTED]

Thank you,

Ashley Wais, MPH, CIC®
Epidemiologist
[BUTTE COUNTY PUBLIC HEALTH](#)
[202 Mira Loma Drive | Oroville, CA 95965](#)
T: [530-552-3950](tel:530-552-3950) | M: [530-300-4166](tel:530-300-4166)
<https://www.buttecounty.net/610/Public-Health>



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From: Lamba, Katherine@CDPH <Katherine.Lamba@cdph.ca.gov>
Sent: Thursday, July 17, 2025 3:55 PM
To: Wais, Ashley <AWais@buttecounty.net>; 'Mattioli, Mia Catharine (CDC/NCEZID/DFWED/WDPB)' <kuk9@cdc.gov>; Miko, Shanna (CDC/NCEZID/DFWED/WDPB) <rhu6@cdc.gov>; Beaudoin, Jarett <jbeaudoin@buttecounty.net>
Cc: Stainken, Cameron@CDPH <Cameron.Stainken@cdph.ca.gov>; Kahler, Amy (CDC/NCEZID/DFWED/WDPB) <ete1@cdc.gov>; Kunz, Jasen M. (CDC/NCEZID/DFWED/WDPB) <izk0@cdc.gov>; Hill, Vincent (CDC/NCEZID/DFWED/WDPB) <veh2@cdc.gov>; McKeel, Haley (CDC/NCEZID/DFWED/EDLB) <hvw0@cdc.gov>; Strockbine, Nancy (CDC/NCEZID/DFWED/EDLB) <nas6@cdc.gov>
Subject: RE: Consultation re: STEC O157 cases exposed to natural recreational water in Butte County, CA

ATTENTION: This message originated from outside **Butte County**. Please exercise judgment before opening attachments, clicking on links, or replying.

Hi all,

[Redacted]

[Redacted]	[Redacted]	[Redacted]	[Redacted]	[Redacted]	[Redacted]	[Redacted]	[Redacted]
[Redacted]	[Redacted]	[Redacted]	[Redacted]	[Redacted]	[Redacted]	[Redacted]	[Redacted]
[Redacted]	[Redacted]	[Redacted]	[Redacted]	[Redacted]	[Redacted]	[Redacted]	[Redacted]
[Redacted]	[Redacted]	[Redacted]	[Redacted]	[Redacted]	[Redacted]	[Redacted]	[Redacted]
[Redacted]	[Redacted]	[Redacted]	[Redacted]	[Redacted]	[Redacted]	[Redacted]	[Redacted]
[Redacted]	[Redacted]	[Redacted]	[Redacted]	[Redacted]	[Redacted]	[Redacted]	[Redacted]

Thanks,
Kat

Katherine Lamba, MPH (she/her)
California Department of Public Health
Phone: 510-620-3429 | Email: Katherine.Lamba@cdph.ca.gov

Confidential - Low

From: Wais, Ashley <AWais@buttecounty.net>
Sent: Thursday, July 17, 2025 8:56 AM
To: 'Mattioli, Mia Catharine (CDC/NCEZID/DFWED/WDPB)' <kuk9@cdc.gov>; Lamba, Katherine@CDPH <Katherine.Lamba@cdph.ca.gov>; Miko, Shanna (CDC/NCEZID/DFWED/WDPB) <rhu6@cdc.gov>; Beaudoin, Jarett <jbeaudoin@buttecounty.net>
Cc: Stainken, Cameron@CDPH <Cameron.Stainken@cdph.ca.gov>; Kahler, Amy (CDC/NCEZID/DFWED/WDPB)

<ete1@cdc.gov>; Kunz, Jasen M. (CDC/NCEZID/DFWED/WDPB) <izk0@cdc.gov>; Hill, Vincent (CDC/NCEZID/DFWED/WDPB) <veh2@cdc.gov>; McKeel, Haley (CDC/NCEZID/DFWED/EDLB) <hvw0@cdc.gov>; Strockbine, Nancy (CDC/NCEZID/DFWED/EDLB) <nas6@cdc.gov>

Subject: RE: Consultation re: STEC O157 cases exposed to natural recreational water in Butte County, CA

Hi Mia,

Thank you for accommodating our tight schedule and consulting with us for this scenario. We have reached out to the City of Chico to see if they can acquire these samples. We are available at 12PM tomorrow for a discussion.

I did have a few questions related to the sample requests:

1. The pool is now drained (see below) and the process for removing sediment is underway. Did the sediment need to be submerged?
2. I am not sure it will be possible to acquire a “mucky water” sample now that the pool is drained. Is there a different type of sample that should be taken or should it be taken from another location (upstream)?

Any insight is appreciated.



Thank you,
Ashley Wais, MPH, CIC®

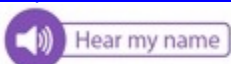
Epidemiologist

[BUTTE COUNTY PUBLIC HEALTH](#)

[202 Mira Loma Drive | Oroville, CA 95965](#)

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From: Mattioli, Mia Catharine (CDC/NCEZID/DFWED/WDPB) <kuk9@cdc.gov>
Sent: Thursday, July 17, 2025 8:31 AM
To: Lamba, Katherine@CDPH <Katherine.Lamba@cdph.ca.gov>; Miko, Shanna (CDC/NCEZID/DFWED/WDPB) <rhu6@cdc.gov>; Wais, Ashley <AWais@buttecounty.net>; Beaudoin, Jarett <jbeaudoin@buttecounty.net>
Cc: Stainken, Cameron (CDC cdph.ca.gov) <cameron.stainken@cdph.ca.gov>; Kahler, Amy (CDC/NCEZID/DFWED/WDPB) <ete1@cdc.gov>; Kunz, Jasen M. (CDC/NCEZID/DFWED/WDPB) <izk0@cdc.gov>; Hill, Vincent (CDC/NCEZID/DFWED/WDPB) <veh2@cdc.gov>; McKeel, Haley (CDC/NCEZID/DFWED/EDLB) <hvw0@cdc.gov>; Strockbine, Nancy (CDC/NCEZID/DFWED/EDLB) <nas6@cdc.gov>
Subject: RE: Consultation re: STEC O157 cases exposed to natural recreational water in Butte County, CA

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Hi Kat,

Thanks so much for proposing times!

CDC is available at the following:

- Friday 7/18: 12pm PST/3PM EST
- Monday 7/21: 1pm PST/4pm EST

Also, if they are cleaning out Sycamore pool, could we ask that someone grab two, 1-L bottles and fill one halfway with the sediment and the other almost full with the mucky water churned up? These can be stored in a fridge (4C) until process. Our lab does this type of testing if not available in CA. These samples will be the best for this type of bug and water source.

Thanks!

Mia

Mia Catharine Mattioli
Environmental Engineer
Centers for Disease Control and Prevention (CDC)
Department of Health and Human Services (HHS)
Office: (404) 718-5643

From: Lamba, Katherine@CDPH <Katherine.Lamba@cdph.ca.gov>
Sent: Wednesday, July 16, 2025 9:22 PM
To: Mattioli, Mia Catharine (CDC/NCEZID/DFWED/WDPB) <kuk9@cdc.gov>; Miko, Shanna (CDC/NCEZID/DFWED/WDPB) <rhu6@cdc.gov>; Wais, Ashley <AWais@buttecounty.net>; Beaudoin, Jarett <jbeaudoin@buttecounty.net>
Cc: Stainken, Cameron (CDC cdph.ca.gov) <cameron.stainken@cdph.ca.gov>; Kahler, Amy (CDC/NCEZID/DFWED/WDPB) <ete1@cdc.gov>; Kunz, Jasen M. (CDC/NCEZID/DFWED/WDPB) <izk0@cdc.gov>; Hill, Vincent (CDC/NCEZID/DFWED/WDPB) <veh2@cdc.gov>; McKeel, Haley (CDC/NCEZID/DFWED/EDLB) <hvw0@cdc.gov>; Strockbine, Nancy (CDC/NCEZID/DFWED/EDLB) <nas6@cdc.gov>
Subject: RE: Consultation re: STEC O157 cases exposed to natural recreational water in Butte County, CA

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Hi all,

Looping in a couple of folks from Butte County directly (Ashley Wais- epi and Dr. Beaudoin, Health Officer) so we can all sort out scheduling for this call.

Looks like scheduling over the next several days may be challenging but hopefully we can sort out a time that works sooner rather than later for the group. Would CDC team by chance be available during any of the following times?

- Thursday 7/17: 12pm PST/3PM EST
- Friday 7/18: 12pm PST/3PM EST
- Monday 7/21: 9am-11am PST (12-2 EST); 1pm PST/4pm EST
 - For Monday these are the slots that work for CDC and CDPH; @Wais, Ashley let us know if any of these work for Butte.

Thank you!
Kat

Katherine Lamba, MPH (she/her)
California Department of Public Health
Phone: 510-620-3429 | Email: Katherine.Lamba@cdph.ca.gov

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From: Lamba, Katherine@CDPH
Sent: Wednesday, July 16, 2025 2:44 PM
To: Mattioli, Mia Catharine (CDC/NCEZID/DFWED/WDPB) <kuk9@cdc.gov>; Miko, Shanna (CDC/NCEZID/DFWED/WDPB) <rhu6@cdc.gov>
Cc: Stainken, Cameron@CDPH <Cameron.Stainken@cdph.ca.gov>; Kahler, Amy (CDC/NCEZID/DFWED/WDPB) <ete1@cdc.gov>; Kunz, Jasen M. (CDC/NCEZID/DFWED/WDPB) <izk0@cdc.gov>; Hill, Vincent (CDC/NCEZID/DFWED/WDPB) <veh2@cdc.gov>; McKeel, Haley (CDC/NCEZID/DFWED/EDLB) <hvw0@cdc.gov>; Strockbine, Nancy (CDC/NCEZID/DFWED/EDLB) <nas6@cdc.gov>
Subject: RE: Consultation re: STEC O157 cases exposed to natural recreational water in Butte County, CA

[REDACTED]

[REDACTED]

[REDACTED] My thought went to geese flying down from WA 😊 .

Kat

Katherine Lamba, MPH (she/her)
California Department of Public Health
Phone: 510-620-3429 | Email: Katherine.Lamba@cdph.ca.gov

From: Mattioli, Mia Catharine (CDC/NCEZID/DFWED/WDPB) <kuk9@cdc.gov>
Sent: Wednesday, July 16, 2025 2:30 PM
To: Lamba, Katherine@CDPH <Katherine.Lamba@cdph.ca.gov>; Miko, Shanna (CDC/NCEZID/DFWED/WDPB) <rhu6@cdc.gov>
Cc: Stainken, Cameron@CDPH <Cameron.Stainken@cdph.ca.gov>; Kahler, Amy (CDC/NCEZID/DFWED/WDPB) <ete1@cdc.gov>; Kunz, Jasen M. (CDC/NCEZID/DFWED/WDPB) <izk0@cdc.gov>; Hill, Vincent (CDC/NCEZID/DFWED/WDPB) <veh2@cdc.gov>; McKeel, Haley (CDC/NCEZID/DFWED/EDLB) <hvw0@cdc.gov>; Strockbine, Nancy (CDC/NCEZID/DFWED/EDLB) <nas6@cdc.gov>
Subject: RE: Consultation re: STEC O157 cases exposed to natural recreational water in Butte County, CA

Adding our other enterics clinical outbreak SME, Nancy Strockbine, as well.

Thanks!

Mia Catharine Mattioli
Environmental Engineer
Centers for Disease Control and Prevention (CDC)
Department of Health and Human Services (HHS)
Office: (404) 718-5643

From: Mattioli, Mia Catharine (CDC/NCEZID/DFWED/WDPB)
Sent: Wednesday, July 16, 2025 5:28 PM
To: Lamba, Katherine@CDPH <Katherine.Lamba@cdph.ca.gov>; Miko, Shanna (CDC/NCEZID/DFWED/WDPB) <rhu6@cdc.gov>
Cc: Stainken, Cameron (CDC cdph.ca.gov) <cameron.stainken@cdph.ca.gov>; Kahler, Amy (CDC/NCEZID/DFWED/WDPB) <ete1@cdc.gov>; Kunz, Jasen M. (CDC/NCEZID/DFWED/WDPB) <izk0@cdc.gov>; Hill, Vincent (CDC/NCEZID/DFWED/WDPB) <veh2@cdc.gov>; McKeel, Haley (CDC/NCEZID/DFWED/EDLB) <hvw0@cdc.gov>
Subject: RE: Consultation re: STEC O157 cases exposed to natural recreational water in Butte County, CA

OK, thanks so much! This is very close and similar sounding to our Lake Wildwood *E. coli* O157:H7 outbreak in 2017 at almost the exact same time of year. In that case there were Canada geese amplifying the pathogen within the lake. I wonder if there are geese or other birds frequenting these untreated venues as well. I'm including our clinical enterics laboratory SME, Haley McKeel, who was also involved in the 2017 response.

Our team would be available this Friday (7/18) from 12-2 PM EST or next Monday (7/21) after 12 PM EST. If none of those times work for you all, let us know what works best for you, and we can move things on our end.

Thanks again for reaching out!

Mia

Mia Catharine Mattioli
Environmental Engineer
Centers for Disease Control and Prevention (CDC)
Department of Health and Human Services (HHS)
Office: (404) 718-5643

From: Lamba, Katherine@CDPH <Katherine.Lamba@cdph.ca.gov>
Sent: Wednesday, July 16, 2025 5:22 PM
To: Mattioli, Mia Catharine (CDC/NCEZID/DFWED/WDPB) <kuk9@cdc.gov>; Miko, Shanna (CDC/NCEZID/DFWED/WDPB) <rhu6@cdc.gov>
Cc: Stainken, Cameron (CDC cdph.ca.gov) <cameron.stainken@cdph.ca.gov>; Kahler, Amy (CDC/NCEZID/DFWED/WDPB)

<ete1@cdc.gov>; Kunz, Jasen M. (CDC/NCEZID/DFWED/WDPB) <izk0@cdc.gov>; Hill, Vincent (CDC/NCEZID/DFWED/WDPB) <veh2@cdc.gov>

Subject: RE: Consultation re: STEC O157 cases exposed to natural recreational water in Butte County, CA

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Fantastic, thanks! Let me check in with our Butte County colleagues then I will loop them in and can coordinate setting something up. In the meantime if you are able to share some time slots over the next several days that work for your team that would be great.

Yes- Sycamore pool is untreated water.

Kat

Katherine Lamba, MPH (she/her)
California Department of Public Health
Phone: 510-620-3429 | Email: Katherine.Lamba@cdph.ca.gov

Confidential - Low

From: Mattioli, Mia Catharine (CDC/NCEZID/DFWED/WDPB) <kuk9@cdc.gov>
Sent: Wednesday, July 16, 2025 2:11 PM
To: Lamba, Katherine@CDPH <Katherine.Lamba@cdph.ca.gov>; Miko, Shanna (CDC/NCEZID/DFWED/WDPB) <rhu6@cdc.gov>
Cc: Stainken, Cameron@CDPH <Cameron.Stainken@cdph.ca.gov>; Kahler, Amy (CDC/NCEZID/DFWED/WDPB) <ete1@cdc.gov>; Kunz, Jasen M. (CDC/NCEZID/DFWED/WDPB) <izk0@cdc.gov>; Hill, Vincent (CDC/NCEZID/DFWED/WDPB) <veh2@cdc.gov>
Subject: RE: Consultation re: STEC O157 cases exposed to natural recreational water in Butte County, CA

Hi Kat,

Thanks for reaching out! Yes, Shanna and I are the right contacts. Shanna is only leave this week so I've included her back-fill for outbreak support, Jasen Kunz. Jasen can set up a call to discuss sampling and testing. Our lab does both water and sediment testing for *E. coli* O157:H7, and we happy to discuss our sampling and testing methods. Of note, generic *E. coli* tests used for monitoring do *not* detect O157:H7 strains, which means those values alone cannot be used to evaluate risk of pathogen contamination.

Thanks for the outbreak notes as well. Just so I'm clear, this pool is untreated, correct? It is fed by a creek without further treatment?

Let us know if you would like to set up a call or prefer Jasen reach out, and thanks again!

Mia

Mia Catharine Mattioli
Environmental Engineer
Centers for Disease Control and Prevention (CDC)
Department of Health and Human Services (HHS)
Office: (404) 718-5643

From: Lamba, Katherine@CDPH <Katherine.Lamba@cdph.ca.gov>

Sent: Wednesday, July 16, 2025 5:05 PM

To: Mattioli, Mia Catharine (CDC/NCEZID/DFWED/WDPB) <kuk9@cdc.gov>; Miko, Shanna (CDC/NCEZID/DFWED/WDPB) <rhu6@cdc.gov>

Cc: Stainken, Cameron (CDC cdph.ca.gov) <cameron.stainken@cdph.ca.gov>

Subject: Consultation re: STEC O157 cases exposed to natural recreational water in Butte County, CA

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Hi Mia and Shanna,

Hoping you're still the right contacts to reach out to- if not, please forward as needed.

CDPH has been supporting Butte County in the investigation of STEC O157 cases they suspect are associated with a couple of related natural recreational water locations in Chico, CA. Butte County has been in discussions with the City of Chico regarding possible testing of water and sediment for STEC/STEC O157 and they are looking for guidance on sampling methods, interpretation of laboratory results, and considerations around water sampling. We're wondering if you and your team may be available to consult on this situation, possibly via a conference call?

Some background:

- Butte County initially identified 2 cases of STEC O157 [REDACTED], onsets [REDACTED] where exposure to [Sycamore Pool](#) (aka One-Mile recreational area/Bidwell Park) in Chico is the suspected exposure. WGS has been completed for one STEC case and is in process for the 2nd. No other closely related recent STEC isolates have been identified.
 - 1 additional STEC case with onset [REDACTED] and exposure to Sycamore pool on [REDACTED] was subsequently identified.
- Sycamore pool is a man-made concrete swimming 'pool' with fresh natural recreational water and is connected to Big Chico Creek
- On 7/1/25, the City of Chico issued a [swimming advisory](#) at Sycamore pool due to elevated E. coli levels from routine testing. Samples are routinely collected upstream and downstream from Sycamore pool. The [pool is closed 7/16-7/18](#) for routine sediment removal/cleaning.
- Butte County has now identified 2 additional STEC cases, onsets [REDACTED] with exposure to the [Five Mile recreational area](#) in Chico, which is also connected to the Big Chico Creek but is about 3 miles east of Sycamore Pool. WGS is pending to determine if these cases have STEC isolates that are related to cases with Sycamore pool exposure.

Thank you, and Cameron please chime in if I've missed any relevant info.

Kat

Katherine Lamba, MPH (she/her)

Epidemiologist

Disease Investigations Section | Infectious Diseases Branch

Center for Infectious Diseases

California Department of Public Health

Phone: 510-620-3429 | Email: Katherine.Lamba@cdph.ca.gov

IDB-DIS general inbox: IDB-DIS@cdph.ca.gov



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Beaudoin, Jarett

From: Beaudoin, Jarett
Sent: Wednesday, July 23, 2025 3:43 PM
To: Skyler Lipski; Erik Gustafson; emorrissey@chicorec.gov
Cc: Wais, Ashley
Subject: Re: Testing Update

Sorry to add on two more things:

1. Can we reschedule the meeting tomorrow? We will be running around testing all day and I'm not sure if we will have any more updates until these results come back...
2. Can we pick up your collected sediment tomorrow?

-Jarett

From: Beaudoin, Jarett <JBeaudoin@buttecounty.net>
Sent: Wednesday, July 23, 2025 1:20 PM
To: Skyler Lipski <skyler.lipski@chicoca.gov>; Erik Gustafson <erik.gustafson@chicoca.gov>; emorrissey@chicorec.gov <emorrissey@chicorec.gov>
Cc: Wais, Ashley <AWais@buttecounty.net>
Subject: Testing Update

Hey Team,

We have officially recieved the testing materials from CDC and will be shooting for testing at 5 sites along Big Chico Creek tomorrow (Sycamore Pool, Nature Center, Hooker Oak, 5 Mile, and Aligator Hole). Plan is for sediment sample, water sample, and a fancy ultrafiltration sample where we filter 50L of water through what is basically a dialysis machine and then send them the filter to see if it caught anything. This should take about 30-60 minutes at each site so we are shooting to do it all in one day. We then send back to CDC and then the testing will take about 1 week.

Three questions maybe you all can answer:

- **Gate:** There is a gate to get up to Aligator hole. Will that be open tomorrow? When does it close?
- **Golf Course:** We also would like to collect animal droppings, especially any cows, geese, or deer. Word on the street is that the geese and deer frequent the golf course. I think this is city of chico land, so wanted to make sure it would be ok for us to go onto the golf course to collect.
- **Other animal spots?:** Are there any other animal locations you all can think of? We have an email out to Fish and Wildlife asking them about geese and deer, and one to the Ag commisioner regarding any nearby cattle. Your people are around a lot so thought I would ask. We need to collect fresh droppings, so ideally would want to know where and generally what time people see geese or deer. This does **not** need to be done tomorrow, so feel free to ask around.

Thanks!

Jarett Beaudoin, M.D., M.P.H.

Public Health Officer

[BUTTE COUNTY PUBLIC HEALTH](#)

[202 Mira Loma Drive | Oroville, CA 95965](#)

T: 530.552.4000

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Beaudoin, Jarett

From: Beaudoin, Jarett
Sent: Wednesday, July 23, 2025 3:34 PM
To: Wais, Ashley
Subject: Re: Cattle & Big Chico Creek

I just emailed her. I'll forward you the answer when she emails back!

Maybe the Sheriff will let us borrow the Helicopter so we can fly up the creek and look for cows.

-Jarett

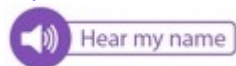
From: Wais, Ashley <AWais@buttecounty.net>
Sent: Wednesday, July 23, 2025 12:40 PM
To: Beaudoin, Jarett <JBeaudoin@buttecounty.net>
Subject: RE: Cattle & Big Chico Creek

This is interesting. I think the free range cattle Tom has mentioned may be much further downstream than the cattle ranch Katharine is referring to. It doesn't seem like we will need this information before we sample tomorrow? We can continue to investigate potential cattle inputs to Big Chico Creek in the coming weeks. I would be happy to reach out to Tracy Schohr next week, if needed. I am going to confirm with CDC if they are going to test for cattle or geese markers in the water/sediment samples. That may assist us with deciding if we need to do further research on certain animal inputs. What are your thoughts?

Thank you,

Ashley Wais, MPH, CIC®

Epidemiologist
[BUTTE COUNTY PUBLIC HEALTH](#)
[202 Mira Loma Drive | Oroville, CA 95965](#)
T: [530-552-3950](tel:530-552-3950) | M: [530-300-4166](tel:530-300-4166)
<https://www.buttecounty.net/610/Public-Health>



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From: Beaudoin, Jarett <JBeaudoin@buttecounty.net>
Sent: Wednesday, July 23, 2025 11:35 AM
To: Wais, Ashley <AWais@buttecounty.net>
Subject: Fw: Cattle & Big Chico Creek

Fyi

Jarett Beaudoin
Public Health Officer
Butte County Public Health

From: Quist, Katharine <KQuist@buttecounty.net>
Sent: Wednesday, July 23, 2025 9:39 AM
To: Beaudoin, Jarett <JBeaudoin@buttecounty.net>
Subject: RE: Cattle & Big Chico Creek

Hi Jarret,

Yes, I have seen the news about the E. Coli outbreak in connection to Big Chico Creek. Like the others, I think the cattle are quite a ways upstream. The only cattle ranch that I see on my Ag Pass map is on the westside of the musty buck ridge so I don't believe cattle are contributing to the E.Coli outbreak. With that said, I recommend that you reach out to Tracy Schohr, Butte County Livestock Advisor. She may have a better answer for you! 😊

Hope that helps!

Katharine Quist
Agricultural Commissioner / Sealer of Weights & Measures
Butte County Ag Dept.
316 Nelson Ave.
Oroville, CA 95965
T: 530.552.4100

From: Beaudoin, Jarett <JBeaudoin@buttecounty.net>
Sent: Wednesday, July 23, 2025 8:51 AM
To: Quist, Katharine <KQuist@buttecounty.net>
Subject: Cattle & Big Chico Creek

Hey Katharine!

Hope all is well over in the Ag office.

I had a quick question- you may have been seeing the news about the E.Coli outbreak we are investigating in connection with Big Chico Creek. We've been talking to a lot of experts who have worked up these types of outbreaks before, and there is usually a connection with cattle. Does your office know of any cattle grazing areas upstream of 5-mile along or near Big Chico Creek? I thought maybe if anyone knew, it could be you all. Everyone else I talk to seems to think there aren't any unless you go very very far upstream.

It you have any thoughts or info, it could really help with the investigation!

Thanks bunch.
-Jarett

Jarett Beaudoin, M.D., M.P.H.
Public Health Officer
[BUTTE COUNTY PUBLIC HEALTH](#)

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Beaudoin, Jarett

From: Beaudoin, Jarett
Sent: Wednesday, July 23, 2025 3:25 PM
To: Amis, John@Wildlife
Cc: Wais, Ashley; Parker, Thomas; Ceccon, Barry@Wildlife; McSpadden, Elaine
Subject: Re: Wildlife & Big Chico Creek

Hey John,

Interesting. I don't imagine anyone at Public Health knows how to identify a habitat, or what habitats geese and deer like...

But alas, this is good information, as I just wanted to make sure we weren't wandering around with dropping bags when in fact someone had better information on where to find the target animals.

Last question (unless Barry has some thoughts) - Do you know if there are any other non-governmental groups who would know this information? I'm near the point of messaging our local bird-watching group to see if they have any ideas. Luckily the Bidwell park golf course seems to be a high-yield area for both species so hopefully we won't have to resort to this, but I'm curious if you know any local groups.

I appreciate the help!

-Jarett

From: Amis, John@Wildlife <John.Amis@wildlife.ca.gov>
Sent: Wednesday, July 23, 2025 2:40 PM
To: Beaudoin, Jarett <JBeaudoin@buttecounty.net>
Cc: Wais, Ashley <AWais@buttecounty.net>; Parker, Thomas <TParker@buttecounty.net>; Ceccon, Barry@Wildlife <Barry.Ceccon@wildlife.ca.gov>; McSpadden, Elaine <EMcspadden@buttecounty.net>
Subject: RE: Wildlife & Big Chico Creek

ATTENTION: This message originated from outside **Butte County**. Please exercise judgment before opening attachments, clicking on links, or replying.

Hi Jarret,

I really appreciate that your office is working to better understand the E. coli problem in the creek. Unfortunately, CDFW does not have animal migration and habits information that would be specific to the individual creek. We could likely provide such information if it applied to a broader area/region.

I am sure you have considered this but my suggestion would be to identify the habitat (deep holes, slow current, game trails to the water, high vegetation) that would be most likely to draw in the targeted animals in, and search out from there. Sorry I can't get any more specific than that. I have included Lieutenant Barry Ceccon on this email. He may reply if he has additional information.

From: Beaudoin, Jarett <JBeaudoin@buttecounty.net>
Sent: Wednesday, July 23, 2025 9:08 AM
To: Amis, John@Wildlife <John.Amis@wildlife.ca.gov>

Cc: Wais, Ashley <AWais@buttecounty.net>; Parker, Thomas <TParker@buttecounty.net>; McSpadden, Elaine <EMcspadden@buttecounty.net>

Subject: Wildlife & Big Chico Creek

You don't often get email from jbeaudoin@buttecounty.net. [Learn why this is important](#)

WARNING: This message is from an external source. Verify the sender and exercise caution when clicking links or opening attachments.

Hey John,

I got your information from our Environmental Health Director- Elaine McSpadden. I am the Health Officer for Butte County, and have a quick question regarding wildlife around Big Chico Creek.

As you may have seen, we are in the process of investigating an E.Coli O157 outbreak that is associated with Big Chico Creek. We've been talking to experts who in the past have linked this type of infection to cattle, geese, and deer. We are able to send animal scat/droppings for testing in our investigation; but have been relying mainly on hear-say to find these animals. Is this something someone from your office that tracks these wildlife? We can do the collection, we just don't know where the geese, cattle, or deer tend to hang out (or if they are even still in the area).

I appreciate any advice! I've cc'd our Epidemiologist and Environmental health who are working on the issue.

-Jarett

Jarett Beaudoin, M.D., M.P.H.

Public Health Officer

[BUTTE COUNTY PUBLIC HEALTH](#)

[202 Mira Loma Drive | Oroville, CA 95965](#)

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Beaudoin, Jarett

From: Beaudoin, Jarett
Sent: Wednesday, July 23, 2025 1:21 PM
To: Skyler Lipski; Erik Gustafson; emorrissey@chicorec.gov
Cc: Wais, Ashley
Subject: Testing Update

Hey Team,

We have officially recieved the testing materials from CDC and will be shooting for testing at 5 sites along Big Chico Creek tomorrow (Sycamore Pool, Nature Center, Hooker Oak, 5 Mile, and Aligator Hole). Plan is for sediment sample, water sample, and a fancy ultrafiltration sample where we filter 50L of water through what is basically a dialysis machine and then send them the filter to see if it caught anything. This should take about 30-60 minutes at each site so we are shooting to do it all in one day. We then send back to CDC and then the testing will take about 1 week.

Three questions maybe you all can answer:

- **Gate:** There is a gate to get up to Aligator hole. Will that be open tomorrow? When does it close?
- **Golf Course:** We also would like to collect animal droppings, especially any cows, geese, or deer. Word on the street is that the geese and deer frequent the golf course. I think this is city of chico land, so wanted to make sure it would be ok for us to go onto the golf course to collect.
- **Other animal spots?:** Are there any other animal locations you all can think of? We have an email out to Fish and Wildlife asking them about geese and deer, and one to the Ag commisioner regarding any nearby cattle. Your people are around a lot so thought I would ask. We need to collect fresh droppings, so ideally would want to know where and generally what time people see geese or deer. This does **not** need to be done tomorrow, so feel free to ask around.

Thanks!

Jarett Beaudoin, M.D., M.P.H.

Public Health Officer

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Beaudoin, Jarett

From: Beaudoin, Jarett
Sent: Wednesday, July 23, 2025 11:35 AM
To: Wais, Ashley
Subject: Fw: Cattle & Big Chico Creek

Fyi

Jarett Beaudoin
Public Health Officer
Butte County Public Health

From: Quist, Katharine <KQuist@buttecounty.net>
Sent: Wednesday, July 23, 2025 9:39 AM
To: Beaudoin, Jarett <JBeaudoin@buttecounty.net>
Subject: RE: Cattle & Big Chico Creek

Hi Jarret,

Yes, I have seen the news about the E. Coli outbreak in connection to Big Chico Creek. Like the others, I think the cattle are quite a ways upstream. The only cattle ranch that I see on my Ag Pass map is on the westside of the musty buck ridge so I don't believe cattle are contributing to the E.Coli outbreak. With that said, I recommend that you reach out to Tracy Schohr, Butte County Livestock Advisor. She may have a better answer for you! 😊

Hope that helps!

Katharine Quist
Agricultural Commissioner / Sealer of Weights & Measures
Butte County Ag Dept.
316 Nelson Ave.
Oroville, CA 95965
T: 530.552.4100

From: Beaudoin, Jarett <JBeaudoin@buttecounty.net>
Sent: Wednesday, July 23, 2025 8:51 AM
To: Quist, Katharine <KQuist@buttecounty.net>
Subject: Cattle & Big Chico Creek

Hey Katharine!

Hope all is well over in the Ag office.

I had a quick question- you may have been seeing the news about the E.Coli outbreak we are investigating in connection with Big Chico Creek. We've been talking to a lot of experts who have worked up these types of outbreaks before, and there is usually a connection with cattle. Does your office know of any cattle grazing areas upstream of 5-mile along or near Big Chico Creek? I thought maybe if anyone knew, it could be you all. Everyone else I talk to seems to think there aren't any unless you go very very far upstream.

It you have any thoughts or info, it could really help with the investigation!

Thanks bunch.

-Jarett

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Public Health Officer

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Beaudoin, Jarett

From: Beaudoin, Jarett
Sent: Wednesday, July 23, 2025 11:32 AM
To: Quist, Katharine
Subject: Re: Cattle & Big Chico Creek

That is helpful, thank you! I will reach out to Tracy.

-Jarett

Jarett Beaudoin
Public Health Officer
Butte County Public Health

From: Quist, Katharine <KQuist@buttecounty.net>
Sent: Wednesday, July 23, 2025 9:38:58 AM
To: Beaudoin, Jarett <JBeaudoin@buttecounty.net>
Subject: RE: Cattle & Big Chico Creek

Hi Jarret,

Yes, I have seen the news about the E. Coli outbreak in connection to Big Chico Creek. Like the others, I think the cattle are quite a ways upstream. The only cattle ranch that I see on my Ag Pass map is on the westside of the musty buck ridge so I don't believe cattle are contributing to the E.Coli outbreak. With that said, I recommend that you reach out to Tracy Schohr, Butte County Livestock Advisor. She may have a better answer for you! 😊

Hope that helps!

Katharine Quist
Agricultural Commissioner / Sealer of Weights & Measures
Butte County Ag Dept.
316 Nelson Ave.
Oroville, CA 95965
T: 530.552.4100

From: Beaudoin, Jarett <JBeaudoin@buttecounty.net>
Sent: Wednesday, July 23, 2025 8:51 AM
To: Quist, Katharine <KQuist@buttecounty.net>
Subject: Cattle & Big Chico Creek

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areas upstream of 5-mile along or near Big Chico Creek? I thought maybe if anyone knew, it could be you all. Everyone else I talk to seems to think there aren't any unless you go very very far upstream.

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-Jarett

Jarett Beaudoin, M.D., M.P.H.
Public Health Officer
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[202 Mira Loma Drive | Oroville, CA 95965](#)
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Beaudoin, Jarett

From: Beaudoin, Jarett
Sent: Wednesday, July 23, 2025 11:31 AM
To: Mattioli, Mia Catharine (CDC/NCEZID/DFWED/WDPB)
Subject: Declined: Consultation re: STEC O157 cases exposed to natural recreational water in Butte County, CA

Beaudoin, Jarett

From: Beaudoin, Jarett
Sent: Wednesday, July 23, 2025 9:08 AM
To: john.amis@wildlife.ca.gov
Cc: Wais, Ashley; Parker, Thomas; McSpadden, Elaine
Subject: Wildlife & Big Chico Creek

Hey John,

I got your information from our Environmental Health Director- Elaine McSpadden. I am the Health Officer for Butte County, and have a quick question regarding wildlife around Big Chico Creek.

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I appreciate any advice! I've cc'd our Epidemiologist and Environmental health who are working on the issue.

-Jarett

Jarett Beaudoin, M.D., M.P.H.

Public Health Officer

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Beaudoin, Jarett

From: Beaudoin, Jarett
Sent: Wednesday, July 23, 2025 8:51 AM
To: Quist, Katharine
Subject: Cattle & Big Chico Creek

Hey Katharine!

Hope all is well over in the Ag office.

I had a quick question- you may have been seeing the news about the E.Coli outbreak we are investigating in connection with Big Chico Creek. We've been talking to a lot of experts who have worked up these types of outbreaks before, and there is usually a connection with cattle. Does your office know of any cattle grazing areas upstream of 5-mile along or near Big Chico Creek? I thought maybe if anyone knew, it could be you all. Everyone else I talk to seems to think there aren't any unless you go very very far upstream.

It you have any thoughts or info, it could really help with the investigation!

Thanks bunch.

-Jarett

Jarett Beaudoin, M.D., M.P.H.

Public Health Officer

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Beaudoin, Jarett

From: Beaudoin, Jarett
Sent: Tuesday, July 22, 2025 4:33 PM
To: Almaguer, Lisa; Soderstrom, Monica
Subject: Re: CARD post on Facebook, Request for info change

Sounds great. Thank you!!

-Jarett

From: Almaguer, Lisa <LAlmaguer@buttecounty.net>
Sent: Tuesday, July 22, 2025 2:36 PM
To: Beaudoin, Jarett <JBeaudoin@buttecounty.net>; Soderstrom, Monica <msoderstrom@buttecounty.net>
Subject: RE: CARD post on Facebook, Request for info change

It looks like it got all sorted out.

Yes, I agree, by advertising our phone number on social media, it was definitely encouraging calls. I'm 100% ok if they refer the public to call us *if they receive a call with a Public Health question they can't answer*. After all, our phone number is public! Also, they should have reached out to us before running that post – I would never promote another agency's phone number without giving them a heads up.

Lisa Almaguer
Public Information Officer
[BUTTE COUNTY PUBLIC HEALTH](#)
[2080 E 20th Street, Suite 180 | Chico, CA 95928](#)
T: 530.552.4000 | D: [530.552.4041](#)

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From: Beaudoin, Jarett <JBeaudoin@buttecounty.net>
Sent: Tuesday, July 22, 2025 12:13 PM
To: Almaguer, Lisa <LAlmaguer@buttecounty.net>; Soderstrom, Monica <msoderstrom@buttecounty.net>
Subject: Re: CARD post on Facebook, Request for info change

I agree she came off a little strong! But your response deescalated it very nicely and I appreciate it.

I imagine deep down she's just concerned about the parents, and they are probably fielding calls themselves and not sure what to tell parents who are looking for more information that's not directly disease reporting. Begs the question- if people are going to call somewhere (which we and CARD can't control) where should they call? I see your point though, that if you put the number up on the website than it certainly will incentivize more calls.

I'll await her response to the website as the point of more information.

-Jarett

From: Almaguer, Lisa <LAlmaguer@buttecounty.net>

Sent: Tuesday, July 22, 2025 11:55 AM

To: Soderstrom, Monica <msoderstrom@buttecounty.net>; Beaudoin, Jarett <JBeaudoin@buttecounty.net>

Subject: RE: CARD post on Facebook, Request for info change

Wow. I was very blindsided by Annabel's email. I hope you are ok with my response below. I have added the advisory to our Public Health homepage so people can click on the image to get more information.

FYI for Jarett – we have never provided a number for the public to call if they have questions about our press release material. The press release is intended to be thorough and provide all of the information that we have at the time of issue. The only exception to this was during the early days of COVID.



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Public Health



No-Swim Advisory

High Levels of E. coli Detected.

A No-Swim Advisory is in place for Big Chico Creek, from Sycamore Pool through Upper Bidwell Park.

Learn more about the Public Health no-swim advisory.

[Read on...](#)



Don't Give WEST NILE VIRUS a Biting Chance

Protect yourself from West Nile Virus this summer!

[Read on...](#)

Welcome to Butte County Public Health!

The Butte County Department of Public Health (BCPHD) runs over 50 programs serving: children, mothers, families, adults, small businesses, animals, and the environment. Promoting healthy behaviors and resources, preventing illness and protecting the health of residents and visitors in Butte County is our daily commitment.

We are proud to be a nationally accredited health department. As such, we are involved in a variety of community-based activities that engage residents in the planning, evaluation, and implementation of health improvements in their communities. This website is a great place to find reliable health information and learn about the services we offer. We're glad you're here!

Our Mission

To promote individual, community, and environmental health through prevention, education, protection, and intervention.

Our Commitment to Health Equity

Butte County Public Health is committed to the health and well-being of all through intentional collaboration and inclusion.



WELL-BEING
for ALL

Contact Us

Public Health

Physical Address [View Map](#)

202 Mira Loma Drive
Oroville, CA 95965

[Directions](#)

Phone: [530-552-4000](tel:530-552-4000)
Fax: 530-538-2165

TTY: 530-538-6588

Hours

Monday through Friday
8 am to 5 pm

Report a Health Emerge

24-Hour Line: 530-552-4000

Email Public Health

phinfo@buttecounty.net

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Lisa Almaguer
Public Information Officer

493

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From: Almaguer, Lisa

Sent: Tuesday, July 22, 2025 11:26 AM

To: Annabel Grimm <agrimm@chicorec.gov>

Cc: Erin Morrissey <emorrissey@chicorec.gov>; Kelsey Horne <khorne@chicorec.gov>; Soderstrom, Monica <msoderstrom@buttecounty.net>; Beaudoin, Jarett <JBeaudoin@buttecounty.net>

Subject: RE: CARD post on Facebook, Request for info change

Hi Annabel,

I hear your concerns, and I am thankful that you shared them with me. I am also very appreciative that CARD is helping to amplify this important message.

We are very much committed to keeping the public informed about the status of our Public Health investigation regarding the outbreak and Big Chico Creek E. coli testing. We have shared critical health information widely with the public via our [press release](#) to the media and have provided multiple news interviews to a variety of media outlets. This information is also shared on our social media platforms. We very much appreciate CARD and other community partners amplifying this message.

I am only requesting that our Public Health main line (530-552-4000) be removed and replaced with the number provided in my email to Erin – this number goes directly to one of our Infectious Disease Specialists and is by no means a communication void. We would absolutely like to hear from the public if they suspect they've been infected with a waterborne illness after coming into contact with creek water, so we can continue to investigate future cases connected to this outbreak. You may also direct the public to our website (www.buttecounty.net/610/Public-Health) and social media channels (Facebook: www.facebook.com/buttecountypublichealth and Instagram: www.instagram.com/bcpublichealth/).

At this time, we do not have plans to activate a hotline or direct phone number for general questions about the no-swim advisory. The messaging at this time is:

- Residents are urged not to swim in Big Chico Creek until further notice.
- Public Health is working with the CDC and community partners (City of Chico and CARD) to investigate the source of the E. coli contamination.
- Waterborne illness prevention measures have been provided to the public.
- Residents who suspect they have a waterborne illness should contact their healthcare provider and may contact Public Health to report their illness.
- Testing and monitoring are ongoing and updates will be provided as soon as we know more.

If you think it would help to talk this through, I'd be glad to arrange a call with our Public Health team.

Thank you,
Lisa

Lisa Almaguer
Public Information Officer
[BUTTE COUNTY PUBLIC HEALTH](#)
[2080 E 20th Street, Suite 180 | Chico, CA 95928](#)
T: 530.552.4000 | D: [530.552.4041](#)

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Subject: RE: CARD post on Facebook, Request for info change
Importance: High

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Ms. Almaguer,

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Please let us know at your earliest opportunity what contact method or public-facing resource you would prefer us to use going forward. Until then, we will continue directing residents to the contact number included in the press release.

I appreciate your reconsideration and look forward to working together to provide consistent, transparent, and helpful information to the people we both serve.

Regards,
Annabel

From: "Almaguer, Lisa" <LAlmaguer@buttecounty.net>
Date: July 21, 2025 at 4:19:21 PM PDT
To: Erin Morrissey <EMorrissey@chicorec.gov>
Cc: "Soderstrom, Monica" <msoderstrom@buttecounty.net>, "Beaudoin, Jarett" <JBeaudoin@buttecounty.net>
Subject: CARD post on Facebook, Request for info change

Hi Erin,

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"Residents who suspect that they've been infected with a waterborne illness should contact their healthcare provider. They may also call and report their illness to Butte County Public Health at: 530-552-3929."

In the future, please let us know in advance if you are instructing the public to call our main line. We will need to give our phone staff a heads up and information they need to respond.

Greatly appreciated and thank you!

Lisa

Lisa Almaguer

Public Information Officer

[BUTTE COUNTY PUBLIC HEALTH](#)

[2080 E 20th Street, Suite 180 | Chico, CA 95928](#)

T: 530.552.4000 | D: [530.552.4041](tel:530.552.4041)

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Beaudoin, Jarett

From: Beaudoin, Jarett
Sent: Tuesday, July 22, 2025 4:20 PM
To: Yerabati, Sauda@CDPH; McSpadden, Elaine; Wais, Ashley
Cc: Hilton, Ginger@CDPH; Stainken, Cameron@CDPH; Lamba, Katherine@CDPH
Subject: Re: Butte County: Public Health Issues No-Swim Advisory for Big Chico Creek

Interesting. We'll certainly let us know if there are any resources you can provide!

Our two main contacts at CDPH have been Cameron Stainken and Kat Lamba who have been very helpful. I cc'd them here in case you want to chat.

-Jarett

Jarett Beaudoin, M.D., M.P.H.

Public Health Officer

[BUTTE COUNTY PUBLIC HEALTH](#)

[202 Mira Loma Drive | Oroville, CA 95965](#)

T: 530.552.4000

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From: Yerabati, Sauda@CDPH <Sauda.Yerabati@cdph.ca.gov>

Sent: Tuesday, July 22, 2025 3:33 PM

To: Beaudoin, Jarett <jbeaudoin@buttecounty.net>; McSpadden, Elaine <emcspadden@buttecounty.net>; Wais, Ashley <AWais@buttecounty.net>

Cc: Hilton, Ginger@CDPH <Ginger.Hilton@cdph.ca.gov>

Subject: RE: Butte County: Public Health Issues No-Swim Advisory for Big Chico Creek

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Hello Dr. Beaudoin and Elaine,

Thank you both for the additional details. May I know who from our Center for Infectious Disease is helping you currently?

I work at the [CDPH Center for Environmental Health \(CEH\)](#). We have regulatory programs related to environmental public health and work closely with local EH (Elaine knows us well). For some areas, we work in conjunction with CalEPA boards, depts and offices where they are the lead authority.

Our Deputy Director of CEH, Dr. June Weintraub, who is also the State EH Director, may have further suggestions for you. I'm also waiting to hear back from our Recreational Water program at the [Environmental Management Branch](#).

I will keep you posted. In the meantime, please feel free to reach out there is anything else I can do to assist.

Sincerely,
Sauda

Sauda Yerabati, MPH *She, Her, Hers (What's This?)*

Chief, Environmental Health Support Section
Alternate State Environmental Health Director
Center for Environmental Health
California Department of Public Health
Cell: (916)-801-9309

https://www.cdph.ca.gov/Programs/CEH/Pages/CEH_EHSS.aspx

Office of the State Environmental Health Director * One Health * Emergency Management



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Confidential - Low

From: Beaudoin, Jarett <JBeaudoin@buttecounty.net>

Sent: Tuesday, July 22, 2025 8:58 AM

To: McSpadden, Elaine <emcspadden@buttecounty.net>; Yerabati, Sauda@CDPH <Sauda.Yerabati@cdph.ca.gov>; Wais, Ashley <AWais@buttecounty.net>

Cc: Hilton, Ginger@CDPH <Ginger.Hilton@cdph.ca.gov>

Subject: Re: Butte County: Public Health Issues No-Swim Advisory for Big Chico Creek

You don't often get email from jbeaudoin@buttecounty.net. [Learn why this is important](#)

Hello Sauda,

I didn't realize the CDPH environmental team watched out for these things! Elaine summarized it nicely below.

I am new to California so out of curiosity, is there some form of support that the Center for Environmental Health at CDPH usually provides in this type of environmental outbreak? I have been primarily talking with the ID branch, CDC, and the Waterboard and didn't even think to reach out to you all. If there is some additional resource you could provide (additional water/sediment testing capacity, personnel for sanitary surveys, etc), I'd love to hear about it.

I'm also becoming increasingly interested in the regulatory gap around inland beaches/recreational freshwaters and the lack of progress on AB 1066. If you have thoughts on that I would also be happy to hear them, although from my research it seems that CDPH is not the primary agency on the issue.

Thanks for reaching out!

-Jarett

Jarett Beaudoin, M.D., M.P.H.

Public Health Officer

BUTTE COUNTY PUBLIC HEALTH

202 Mira Loma Drive | Oroville, CA 95965

T: 530.552.4000

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From: McSpadden, Elaine <emcspadden@buttecounty.net>

Sent: Tuesday, July 22, 2025 8:01 AM

To: 'Yerabati, Sauda@CDPH' <Sauda.Yerabati@cdph.ca.gov>; Beaudoin, Jarett <JBeaudoin@buttecounty.net>; Wais, Ashley <AWais@buttecounty.net>

Cc: Hilton, Ginger@CDPH <Ginger.Hilton@cdph.ca.gov>

Subject: RE: Butte County: Public Health Issues No-Swim Advisory for Big Chico Creek

Good morning Sauda,

Thank you for reaching out in support. I am including our Health Officer, Dr. Jarett Beaudoin, on this email as well. He has been the lead for our department on this issue and will have more detailed information on the related illnesses.

We have five cases of STEC 0157, all with an association to Big Chico Creek. We have seen an excessive amount of silt and sediment in this creek on the heels of last year's Park Fire. We are working in coordination with CDC to conduct a through sampling of the creek and have identified several sampling locations. We expect to complete that sampling this week. A source has not been identified, but based on the epidemiological evidence, appears it may be associated with the creek.

We are also working with Amy Irani with Nevada County on sampling guidance due to their recent 0157 outbreak at Wildwood Lake.

In additional to CDC, we have met with representatives from CDPH and the Waterboard. It is with this group that we determined the need for the advisory and the follow up sampling project.

I don't think that we need anything specific from you currently, we continue to gather information and look for solutions, so your advice is welcome.

Thank you!

Elaine McSpadden, MS, REHS
Environmental Health Division Director
[BUTTE COUNTY PUBLIC HEALTH](#)
[202 Mira Loma Drive | Oroville, CA 95965](#)
T: 530.552.3865 | F: 530.538.5339

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From: Yerabati, Sauda@CDPH <Sauda.Yerabati@cdph.ca.gov>
Sent: Monday, July 21, 2025 5:25 PM
To: McSpadden, Elaine <emcspadden@buttecounty.net>
Cc: Hilton, Ginger@CDPH <Ginger.Hilton@cdph.ca.gov>
Subject: Butte County: Public Health Issues No-Swim Advisory for Big Chico Creek

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Hi Elaine,

I was asked to follow up on the E Coli O157 detection after the following advisory was sent to our attention.

[Public-Health-Issues-No-Swim-Advisory-for-Big-Chico-Creek-PDF](#)

Can you provide more details on this –

Considering that O157 isn't typically found in recreational waters, why did they close the creek ? Were there no other possible exposures, hence they're taking an abundance of caution?

Is there anything we can do to support you?

Thanks,
Sauda

Sauda Yerabati, MPH *She, Her, Hers (What's This?)*
Chief, Environmental Health Support Section
Alternate State Environmental Health Director
Center for Environmental Health
California Department of Public Health
Cell: (916)-801-9309

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Confidential - Low

Beaudoin, Jarett

From: Beaudoin, Jarett
Sent: Tuesday, July 22, 2025 12:13 PM
To: Almaguer, Lisa; Soderstrom, Monica
Subject: Re: CARD post on Facebook, Request for info change

I agree she came off a little strong! But your response deescalated it very nicely and I appreciate it.

I imagine deep down she's just concerned about the parents, and they are probably fielding calls themselves and not sure what to tell parents who are looking for more information that's not directly disease reporting. Begs the question- if people are going to call somewhere (which we and CARD can't control) where should they call? I see your point though, that if you put the number up on the website than it certainly will incentivize more calls.

I'll await her response to the website as the point of more information.

-Jarett

From: Almaguer, Lisa <LAlmaguer@buttecounty.net>
Sent: Tuesday, July 22, 2025 11:55 AM
To: Soderstrom, Monica <msoderstrom@buttecounty.net>; Beaudoin, Jarett <JBeaudoin@buttecounty.net>
Subject: RE: CARD post on Facebook, Request for info change

Wow. I was very blindsided by Annabel's email. I hope you are ok with my response below. I have added the advisory to our Public Health homepage so people can click on the image to get more information.

FYI for Jarett – we have never provided a number for the public to call if they have questions about our press release material. The press release is intended to be thorough and provide all of the information that we have at the time of issue. The only exception to this was during the early days of COVID.

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Public Health



No-Swim Advisory

High Levels of E. coli Detected.
A **No-Swim Advisory** is in place for Big Chico Creek, from Sycamore Pool through Upper Bidwell Park.

Learn more about the Public Health no-swim advisory.
[Read on...](#)



Don't Give WEST NILE VIRUS a Biting Chance

Protect yourself from West Nile Virus this summer!
[Read on...](#)

Welcome to Butte County Public Health!

The Butte County Department of Public Health (BCPHD) runs over 50 programs serving: children, mothers, families, adults, small businesses, animals, and the environment. Promoting healthy behaviors and resources, preventing illness and protecting the health of residents and visitors in Butte County is our daily commitment.

We are proud to be a nationally accredited health department. As such, we are involved in a variety of community-based activities that engage residents in the planning, evaluation, and implementation of health improvements in their communities. This website is a great place to find reliable health information and learn about the services we offer. We're glad you're here!

Our Mission

To promote individual, community, and environmental health through prevention, education, protection, and intervention.

Our Commitment to Health Equity

Butte County Public Health is committed to the health and well-being of all through intentional collaboration and inclusion.



WELL-BEING for ALL

Contact Us

Public Health

Physical Address [View Map](#)

202 Mira Loma Drive
Oroville, CA 95965

[Directions](#)

Phone: [530-552-4000](#)
Fax: 530-538-2165

TTY: 530-538-6588

Hours

Monday through Friday
8 am to 5 pm

Report a Health Emergency

24-Hour Line: 530-552-4000

Email Public Health

phinfo@buttecounty.net

Follow us on Social Media!





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Lisa Almaguer

Public Information Officer

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I appreciate your reconsideration and look forward to working together to provide consistent, transparent, and helpful information to the people we both serve.

Regards,
Annabel

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Date: July 21, 2025 at 4:19:21 PM PDT

To: Erin Morrissey <EMorrissey@chicorec.gov>

Cc: "Soderstrom, Monica" <msoderstrom@buttecounty.net>, "Beaudoin, Jarett" <JBeaudoin@buttecounty.net>

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In the future, please let us know in advance if you are instructing the public to call our main line. We will need to give our phone staff a heads up and information they need to respond.

Greatly appreciated and thank you!

Lisa

Lisa Almaguer

Public Information Officer

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[2080 E 20th Street, Suite 180 | Chico, CA 95928](#)

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Beaudoin, Jarett

From: Beaudoin, Jarett
Sent: Tuesday, July 22, 2025 11:30 AM
To: Parker, Thomas; Wais, Ashley; Gallick Bertolucci, Regina
Cc: Cox, Erin; McSpadden, Elaine
Subject: Re: Sampling Logistics

Tom you are a hero. I know "Sampling Creek Sediment for Infectious Diseases" is probably not in your job description.

Ashley is my vote as the point of contact for lab results.

-Jarett

From: Parker, Thomas <TParker@buttecounty.net>
Sent: Tuesday, July 22, 2025 10:17 AM
To: Wais, Ashley <AWais@buttecounty.net>; Beaudoin, Jarett <JBeaudoin@buttecounty.net>; Gallick Bertolucci, Regina <RGallickBertolucci@buttecounty.net>
Cc: Cox, Erin <ECox@buttecounty.net>; McSpadden, Elaine <EMcspadden@buttecounty.net>
Subject: RE: Sampling Logistics

For the Chain of Custody, who should we put down as the project manager? That will include an e-mail address where lab results are sent.

Thanks,

Thomas Parker
Program Manager, Hazardous Materials
[BUTTE COUNTY PUBLIC HEALTH](#)
[202 Mira Loma Drive | Oroville, CA 95965](#)
T: 530.552.3870 | D: [530.552.3870](#)

**Environmental Health Fees are being amended to include an ECI increase. The fees go into effect 01/01/2024..*

Please refer to our website for online payment and document submittal: [Environmental Health | Butte County, CA](#)

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From: Wais, Ashley <AWais@buttecounty.net>
Sent: Tuesday, July 22, 2025 9:45 AM
To: Beaudoin, Jarett <JBeaudoin@buttecounty.net>; Parker, Thomas <TParker@buttecounty.net>; Gallick Bertolucci, Regina <RGallickBertolucci@buttecounty.net>
Cc: Cox, Erin <ECox@buttecounty.net>; McSpadden, Elaine <EMcspadden@buttecounty.net>
Subject: RE: Sampling Logistics

Good morning,

Thank you for the update. It is my understanding that CDC has agreed to test 5 sites, with 3 samples (1 sediment, 1 ultrafiltration water sample, 1 grab sample) per site. I am assuming that they will send sampling and shipping supplies that reflect that quantity. I do remember in our meeting Mia emphasized that this testing was being provided at no cost in response to the outbreak, and they did not have the resources to provide additional ongoing testing (but maybe they can add on a few additional samples if we have an outbreak-related justification?). I am assuming they have already shipped the initial package of supplies as they estimated it would arrive tomorrow.

As for the questions on cattle presence along Big Chico Creek, Erin had a great idea last week of reaching out to the Ag Commissioner to see if they have an awareness of cattle operations in the area. From my experience during the H5N1 response, the Ag Commissioner's Office had little connection to the cattle operations and referred me to the Cattleman's Association. I can reach out to the Ag Commissioner to see if they have any insight/ suggestions, let me know if this is something you would like me to do.

Should we schedule a short meeting sometime this week to discuss sampling sites?

Thank you,

Ashley Wais, MPH, CIC®

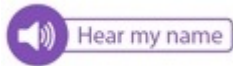
Epidemiologist

[BUTTE COUNTY PUBLIC HEALTH](#)

[202 Mira Loma Drive | Oroville, CA 95965](#)

T: [530-552-3950](#) | M: [530-300-4166](#)

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From: Beaudoin, Jarett <JBeaudoin@buttecounty.net>

Sent: Tuesday, July 22, 2025 9:32 AM

To: Wais, Ashley <AWais@buttecounty.net>; Parker, Thomas <TParker@buttecounty.net>; Gallick Bertolucci, Regina <RGallickBertolucci@buttecounty.net>

Cc: Cox, Erin <ECox@buttecounty.net>; McSpadden, Elaine <EMcspadden@buttecounty.net>

Subject: Sampling Logistics

Hello,

Ashley and I spoke to [Dr. Griffith](#), a professor who was contracted during the Lake Wildwood outbreak and has many many years of testing streams for fecal contamination.

He mentioned a few interesting things:

1. **Testing Sites:** He likes the idea of testing branch points in the creek, in order to identify where the source is. It doesn't seem to me that there are many branch points in the creek. But curious what you all thing.
2. **Cows:** He has a strong suspicion of cows, possible transmitted by Geese if the cows are close by but not directly in the river. I know there are cows that are close-ish to the creek, and am curious if we need to sample them in addition to Geese scat. I don't know how we would do that though, since it's probably private property.
3. **Deer:** He's less excited about deer, just because they don't put as much volume out, but people tell me we have a lot of deer
4. **PCR:** He's very into Digital PCR as a possible future of testing the water quickly, in the event that we can't find a clear source and want to establish a system to monitor busy/high risk water holes. Do we have digital PCR?

I'm keen to try to find locations to sample that are high yield AND may give us insight into a source. Do we have confirmation on how many samples CDC is willing to accept? Maybe we could try to get more if we identify more sites.

-Jarett

Jarett Beaudoin, M.D., M.P.H.

Public Health Officer

[BUTTE COUNTY PUBLIC HEALTH](#)

[202 Mira Loma Drive | Oroville, CA 95965](#)

T: 530.552.4000

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Beaudoin, Jarett

From: Beaudoin, Jarett
Sent: Tuesday, July 22, 2025 9:32 AM
To: Wais, Ashley; Parker, Thomas; Gallick Bertolucci, Regina
Cc: Cox, Erin; McSpadden, Elaine
Subject: Sampling Logistics

Hello,

Ashley and I spoke to [Dr. Griffith](#), a professor who was contracted during the Lake Wildwood outbreak and has many many years of testing streams for fecal contamination.

He mentioned a few interesting things:

1. **Testing Sites:** He likes the idea of testing branch points in the creek, in order to identify where the source is. It doesn't seem to me that there are many branch points in the creek. But curious what you all thing.
2. **Cows:** He has a strong suspicion of cows, possible transmitted by Geese if the cows are close by but not directly in the river. I know there are cows that are close-ish to the creek, and am curious if we need to sample them in addition to Geese scat. I don't know how we would do that though, since it's probably private property.
3. **Deer:** He's less excited about deer, just because they don't put as much volume out, but people tell me we have a lot of deer
4. **PCR:** He's very into Digital PCR as a possible future of testing the water quickly, in the event that we can't find a clear source and want to establish a system to monitor busy/high risk water holes. Do we have digital PCR?

I'm keen to try to find locations to sample that are high yield AND may give us insight into a source. Do we have confirmation on how many samples CDC is willing to accept? Maybe we could try to get more if we identify more sites.

-Jarett

Jarett Beaudoin, M.D., M.P.H.

Public Health Officer

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[202 Mira Loma Drive | Oroville, CA 95965](#)

T: 530.552.4000

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Beaudoin, Jarett

From: Beaudoin, Jarett
Sent: Tuesday, July 22, 2025 8:58 AM
To: McSpadden, Elaine; 'Yerabati, Sauda@CDPH'; Wais, Ashley
Cc: Hilton, Ginger@CDPH
Subject: Re: Butte County: Public Health Issues No-Swim Advisory for Big Chico Creek

Hello Sauda,

I didn't realize the CDPH environmental team watched out for these things! Elaine summarized it nicely below.

I am new to California so out of curiosity, is there some form of support that the Center for Environmental Health at CDPH usually provides in this type of environmental outbreak? I have been primarily talking with the ID branch, CDC, and the Waterboard and didn't even think to reach out to you all. If there is some additional resource you could provide (additional water/sediment testing capacity, personnel for sanitary surveys, etc), I'd love to hear about it.

I'm also becoming increasingly interested in the regulatory gap around inland beaches/recreational freshwaters and the lack of progress on AB 1066. If you have thoughts on that I would also be happy to hear them, although from my research it seems that CDPH is not the primary agency on the issue.

Thanks for reaching out!

-Jarett

Jarett Beaudoin, M.D., M.P.H.

Public Health Officer

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T: 530.552.4000

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From: McSpadden, Elaine <emcspadden@buttecounty.net>

Sent: Tuesday, July 22, 2025 8:01 AM

To: 'Yerabati, Sauda@CDPH' <Sauda.Yerabati@cdph.ca.gov>; Beaudoin, Jarett <JBeaudoin@buttecounty.net>; Wais, Ashley <AWais@buttecounty.net>

Cc: Hilton, Ginger@CDPH <Ginger.Hilton@cdph.ca.gov>

Subject: RE: Butte County: Public Health Issues No-Swim Advisory for Big Chico Creek

Good morning Sauda,

Thank you for reaching out in support. I am including our Health Officer, Dr. Jarett Beaudoin, on this email as well. He has been the lead for our department on this issue and will have more detailed information on the related illnesses.

We have five cases of STEC 0157, all with an association to Big Chico Creek. We have seen an excessive amount of silt and sediment in this creek on the heels of last year's Park Fire. We are working in coordination with CDC to conduct a through sampling of the creek and have identified several sampling locations. We expect to complete that sampling this week. A source has not been identified, but based on the epidemiological evidence, appears it may be associated with the creek.

We are also working with Amy Irani with Nevada County on sampling guidance due to their recent 0157 outbreak at Wildwood Lake.

In addition to CDC, we have met with representatives from CDPH and the Waterboard. It is with this group that we determined the need for the advisory and the follow up sampling project.

I don't think that we need anything specific from you currently, we continue to gather information and look for solutions, so your advice is welcome.

Thank you!

Elaine McSpadden, MS, REHS
Environmental Health Division Director
[BUTTE COUNTY PUBLIC HEALTH](#)
[202 Mira Loma Drive | Oroville, CA 95965](#)
T: 530.552.3865 | F: 530.538.5339

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From: Yerabati, Sauda@CDPH <Sauda.Yerabati@cdph.ca.gov>
Sent: Monday, July 21, 2025 5:25 PM
To: McSpadden, Elaine <emcspadden@buttecounty.net>
Cc: Hilton, Ginger@CDPH <Ginger.Hilton@cdph.ca.gov>
Subject: Butte County: Public Health Issues No-Swim Advisory for Big Chico Creek

ATTENTION: This message originated from outside **Butte County**. Please exercise judgment before opening attachments, clicking on links, or replying.

Hi Elaine,

I was asked to follow up on the E Coli O157 detection after the following advisory was sent to our attention.

[Public-Health-Issues-No-Swim-Advisory-for-Big-Chico-Creek-PDF](#)

Can you provide more details on this –

Considering that O157 isn't typically found in recreational waters, why did they close the creek ? Were there no other possible exposures, hence they're taking an abundance of caution?

Is there anything we can do to support you?

Thanks,
Sauda

Sauda Yerabati, MPH *She, Her, Hers* ([What's This?](#))

Chief, Environmental Health Support Section
Alternate State Environmental Health Director
Center for Environmental Health
California Department of Public Health
Cell: (916)-801-9309

https://www.cdph.ca.gov/Programs/CEH/Pages/CEH_EHSS.aspx

Office of the State Environmental Health Director * One Health * Emergency Management



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Confidential - Low

Beaudoin, Jarett

From: Beaudoin, Jarett
Sent: Monday, July 21, 2025 2:13 PM
To: Erik Gustafson
Subject: Re: E. Coli O157 Protection

Of course. Do you just want me to write something up on a word document or is an email statement (example below) fine?

E. Coli O157 is a species of E.Coli that is harmful to humans. It can cause stomach cramps, diarrhea, dehydration, and in some cases- kidney failure. O157 is transmitted the same way as other E.Coli species- through **swallowing it** via contaminated food or water. It cannot pass through skin, so precautions typically are to avoid drinking or eating contaminated foods, wear gloves when working with contaminated material, and washing hands after working to avoid transmitting it to a clean surface.

If you have any questions, feel free to reach out to your physician or healthcare provider for more information.

-Jarett

From: Erik Gustafson <erik.gustafson@Chicoca.gov>
Sent: Monday, July 21, 2025 1:57 PM
To: Beaudoin, Jarett <JBeaudoin@buttecounty.net>
Subject: RE: E. Coli O157 Protection

ATTENTION: This message originated from outside **Butte County**. Please exercise judgment before opening attachments, clicking on links, or replying.

Hi Jarett- Thanks, both links are helpful. I was thinking something from you stating that O157 is transmittable the same ways regular E.coli is and that wearing PPE and washing hands will prevent the spread. Thanks,

Erik Gustafson

Director, Public Works O&M
(530) 894-4202 Office

From: Beaudoin, Jarett <JBeaudoin@buttecounty.net>
Sent: Monday, July 21, 2025 12:27 PM
To: Erik Gustafson <erik.gustafson@Chicoca.gov>
Subject: E. Coli O157 Protection

ATTENTION: This message originated from outside **City of Chico**. Please exercise judgment before opening attachments, clicking on links, or replying. Please report any suspicious emails with the Phishing Alert Button in Outlook or forward the email to phishing@chicoca.gov

Hey Erik,

A couple resources here that I like:

CDC guide for protections: [Reducing Health Risks to Workers Handling Human Waste or Sewage | Global Water, Sanitation, and Hygiene \(WASH\) | CDC](#)

Info specifically on E.Coli O157: [About Escherichia coli Infection | E. coli infection | CDC](#) (The CDC info is on multiple pages which is annoying, so you have to click through for all the details)

Is this enough? If not I can send more detailed ones.

-Jarett

Jarett Beaudoin, M.D., M.P.H.

Public Health Officer

[BUTTE COUNTY PUBLIC HEALTH](#)

[202 Mira Loma Drive | Oroville, CA 95965](#)

T: 530.552.4000

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Beaudoin, Jarett

From: Beaudoin, Jarett
Sent: Monday, July 21, 2025 12:33 PM
To: Almaguer, Lisa; Grossi, Sarina
Subject: Re: NSPR MEDIA REQUEST

Hey Sarina,

Yes, I think it's a very interesting development.

Can we do 11:00 Wednesday? Phone or Zoom works.

-Jarett

From: Almaguer, Lisa <LAlmaguer@buttecounty.net>
Sent: Monday, July 21, 2025 11:12 AM
To: Grossi, Sarina <sarina.grossi@mynspr.org>; Beaudoin, Jarett <JBeaudoin@buttecounty.net>
Subject: RE: NSPR MEDIA REQUEST

Hi Sarina – We are happy to share more information. I'll let Jarett respond with his availability.

Lisa Almaguer
Public Information Officer
[BUTTE COUNTY PUBLIC HEALTH](#)
[2080 E 20th Street, Suite 180 | Chico, CA 95928](#)
T: 530.552.4000 | D: [530.552.4041](#)

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From: Grossi, Sarina <sarina.grossi@mynspr.org>
Sent: Monday, July 21, 2025 11:02 AM
To: Almaguer, Lisa <lalmaguer@buttecounty.net>
Cc: Beaudoin, Jarett <jbeaudoin@buttecounty.net>
Subject: NSPR MEDIA REQUEST
Importance: High

ATTENTION: This message originated from outside **Butte County**. Please exercise judgment before opening attachments, clicking on links, or replying.

Hi Lisa,

I hope you are doing well. I wanted to follow up with you because I saw that the no swim advisory has expanded to include a lot of Big Chico Creek in Bidwell Park. I was hoping I could schedule an interview

with Butte County Public Health about this update and what it means. I'm curious about what the next steps are and what we currently know about the situation. I previously interviewed Dr. Jarett Beaudoin, and was hoping I could speak with him again. I've CC'd him. It would be great if we could talk tomorrow between 12-1 or Wednesday between 11-1, whatever works best. It can be in person, over Zoom, or over the phone. Please let me know what is possible. I appreciate your time and help.

Best,
Sarina

Sarina Grossi

NSPR ME Anchor
(916)497-7785
sarina.grossi@mynspr.org

Beaudoin, Jarett

From: Beaudoin, Jarett
Sent: Monday, July 21, 2025 12:27 PM
To: Erik Gustafson
Subject: E. Coli O157 Protection

Hey Erik,

A couple resources here that I like:

CDC guide for protections: [Reducing Health Risks to Workers Handling Human Waste or Sewage | Global Water, Sanitation, and Hygiene \(WASH\) | CDC](#)

Info specifically on E.Coli O157: [About Escherichia coli Infection | E. coli infection | CDC](#) (The CDC info is on multiple pages which is annoying, so you have to click through for all the details)

Is this enough? If not I can send more detailed ones.

-Jarett

Jarett Beaudoin, M.D., M.P.H.

Public Health Officer

[BUTTE COUNTY PUBLIC HEALTH](#)

[202 Mira Loma Drive | Oroville, CA 95965](#)

T: 530.552.4000

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Beaudoin, Jarett

From: Beaudoin, Jarett
Sent: Monday, July 21, 2025 10:33 AM
To: Almaguer, Lisa
Subject: Accepted: E. coli Interview with KRCR News Channel 7

Beaudoin, Jarett

From: Beaudoin, Jarett
Sent: Friday, July 18, 2025 7:07 PM
To: Shannon.Murphy@oehha.ca.gov
Subject: State Water Board Contact

Hey Shannon,

Great seeing you today! I feel good about the interventions so far for this O157 outbreak.

I did have a follow-up question for you, as you seem to have a good grasp of the players in water quality. Do you have a contact at the **state** waterboard I could speak to about the state-wide picture of the bacterial objectives and water monitoring? I am interested in bringing this topic up with our state-wide Health Officer Group ([CCHLO](#))

Jarett Beaudoin, M.D., M.P.H.

Public Health Officer

[BUTTE COUNTY PUBLIC HEALTH](#)

[202 Mira Loma Drive | Oroville, CA 95965](#)

T: 530.552.4000

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Beaudoin, Jarett

From: Beaudoin, Jarett
Sent: Friday, July 18, 2025 3:11 PM
To: Almaguer, Lisa; Wais, Ashley; Cox, Erin; Soderstrom, Monica
Cc: Blankenship, DeAnne
Subject: Re: DRAFT Press Release: Public Health Issues No-Swim Warning for Big Chico Creek Due to E. coli Risk

Love this.

I'm doing this on my phone so I'll just copy my comments here:

1. "After further investigation of this outbreak, patient testing has confirmed the presence of a **special species of E. coli called O157**, which can cause serious illness, including severe dehydration, hospitalization and possible kidney failure." — Technically we've known they are O157 for a long time. Maybe we could just eliminate the phrase "after further investigation of this outbreak" and just start with the "patient testing..."?
2. "In the coming days, we'll work with the CDC to test water and sediment at several popular spots upstream from Sycamore Pool. We hope this testing will assist Public Health in finding the source of contamination and help to ensure future water safety in these areas," said Dr. Jarett Beaudoin, Butte County Public Health Officer." — There's a high chance we won't find the source and mainly it will be the ensurance of safety. I certainly would love to find a source, so it's definitely a true statement, but I'll leave it up to you whether you think it could create false hopes.

thank you!!!!

Also Chico PW and CARD are both officially aware and will be waiting on this draft (so it shouldn't be a surprise)

-Jarett

Jarett Beaudoin
Public Health Officer
Butte County Public Health

From: Almaguer, Lisa <LAlmaguer@buttecounty.net>
Sent: Friday, July 18, 2025 2:59:09 PM
To: Wais, Ashley <AWais@buttecounty.net>; Cox, Erin <ECox@buttecounty.net>; Beaudoin, Jarett <JBeaudoin@buttecounty.net>; Soderstrom, Monica <msoderstrom@buttecounty.net>
Cc: Blankenship, DeAnne <DBlankenship@buttecounty.net>
Subject: RE: DRAFT Press Release: Public Health Issues No-Swim Warning for Big Chico Creek Due to E. coli Risk

I am not sure. My understanding is that the City will continue testing at Sycamore Pool and we will be testing these new locations upstream. Correct me if I'm wrong.

Lisa Almaguer

Public Information Officer

[BUTTE COUNTY PUBLIC HEALTH](#)

[2080 E 20th Street, Suite 180 | Chico, CA 95928](#)

T: 530.552.4000 | D: [530.552.4041](#)

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From: Wais, Ashley <AWais@buttecounty.net>

Sent: Friday, July 18, 2025 2:57 PM

To: Cox, Erin <ECox@buttecounty.net>; Almaguer, Lisa <LAlmaguer@buttecounty.net>; Beaudoin, Jarett <JBeaudoin@buttecounty.net>; Soderstrom, Monica <msoderstrom@buttecounty.net>

Cc: Blankenship, DeAnne <DBlankenship@buttecounty.net>

Subject: RE: DRAFT Press Release: Public Health Issues No-Swim Warning for Big Chico Creek Due to E. coli Risk

“In the coming days, we’ll work with the CDC to test water and sediment at several popular spots **upstream from Sycamore Pool**. We hope this testing will assist Public Health in finding the source of contamination and help to ensure future water safety in these areas,” said Dr. Jarett Beaudoin, Butte County Public Health Officer.

Does this make it sound like we won’t be conducting the testing with CDC at Sycamore pool? If so, we may want to reword this.

Ashley Wais, MPH, CIC®

Epidemiologist

[BUTTE COUNTY PUBLIC HEALTH](#)

[202 Mira Loma Drive | Oroville, CA 95965](#)

T: [530-552-3950](#) | M: [530-300-4166](#)

<https://www.buttecounty.net/610/Public-Health>



Hear my name

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From: Cox, Erin <ECox@buttecounty.net>

Sent: Friday, July 18, 2025 2:51 PM

To: Almaguer, Lisa <LAlmaguer@buttecounty.net>; Beaudoin, Jarett <JBeaudoin@buttecounty.net>; Soderstrom,

Monica <msoderstrom@buttecounty.net>; Wais, Ashley <AWais@buttecounty.net>

Cc: Blankenship, DeAnne <DBlankenship@buttecounty.net>

Subject: Re: DRAFT Press Release: Public Health Issues No-Swim Warning for Big Chico Creek Due to E. coli Risk

Ok sounds good....maybe if there is a way to state that it might be good. I leave that up to you guys though.
Thanks!

Erin Cox, MHS (Ret. FP-C, Paramedic) (she/her/hers)

Division Director

Emergency Preparedness and Infectious Disease Control (EPIC)

Public Health Laboratory

[BUTTE COUNTY PUBLIC HEALTH](#)

[2080 E20th Street Suite 180 Chico CA 95928](#)

M: 530.693.5674 F: 530.538.2165

ecox@buttecounty.net

<https://www.buttecounty.net/610/Public-Health>

****REPORT A DISEASE OR OUTBREAK****

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From: Almaguer, Lisa <LAlmaguer@buttecounty.net>

Sent: Friday, July 18, 2025 14:49

To: Cox, Erin <ECox@buttecounty.net>; Beaudoin, Jarrett <JBeaudoin@buttecounty.net>; Soderstrom, Monica <msoderstrom@buttecounty.net>; Wais, Ashley <AWais@buttecounty.net>

Cc: Blankenship, DeAnne <DBlankenship@buttecounty.net>

Subject: RE: DRAFT Press Release: Public Health Issues No-Swim Warning for Big Chico Creek Due to E. coli Risk

Thanks, Erin. To answer your question in the release, I believe the City will continue testing Sycamore Pool. In the release, I am only speaking to the areas that we will test.

Lisa Almaguer

Public Information Officer

[BUTTE COUNTY PUBLIC HEALTH](#)

[2080 E 20th Street, Suite 180 | Chico, CA 95928](#)

T: 530.552.4000 | D: [530.552.4041](#)

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From: Cox, Erin <ECox@buttecounty.net>

Sent: Friday, July 18, 2025 2:47 PM

To: Almaguer, Lisa <LAlmaguer@buttecounty.net>; Beaudoin, Jarrett <JBeaudoin@buttecounty.net>; Soderstrom, Monica <msoderstrom@buttecounty.net>; Wais, Ashley <AWais@buttecounty.net>

Cc: Blankenship, DeAnne <DBlankenship@buttecounty.net>

Subject: Re: DRAFT Press Release: Public Health Issues No-Swim Warning for Big Chico Creek Due to E. coli Risk

Here are my edits with track changes. I like the reword of the first paragraph. Thanks Lisa!

Erin Cox, MHS (Ret. FP-C, Paramedic) (she/her/hers)

Division Director

Emergency Preparedness and Infectious Disease Control (EPIC)

Public Health Laboratory

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From: Almaguer, Lisa <LAlmaguer@buttecounty.net>

Sent: Friday, July 18, 2025 14:44

To: Beaudoin, Jarrett <JBeaudoin@buttecounty.net>; Soderstrom, Monica <msoderstrom@buttecounty.net>; Cox, Erin <ECox@buttecounty.net>; Wais, Ashley <AWais@buttecounty.net>

Cc: Blankenship, DeAnne <DBlankenship@buttecounty.net>

Subject: RE: DRAFT Press Release: Public Health Issues No-Swim Warning for Big Chico Creek Due to E. coli Risk

I have reworded the first paragraph (was struggling with that!):

BUTTE COUNTY, Calif. — Butte County Public Health (BCPH) is warning residents not to swim or play in areas of Big Chico Creek. These areas include everything **upstream** from Sycamore Pool at One Mile Recreation Area through Upper Bidwell Park to the end of the dirt road. The no-swim advisory for Sycamore Pool remains in effect.

Lisa Almaguer

Public Information Officer

[BUTTE COUNTY PUBLIC HEALTH](#)

[2080 E 20th Street, Suite 180 | Chico, CA 95928](#)

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From: Almaguer, Lisa

Sent: Friday, July 18, 2025 2:35 PM

To: Beaudoin, Jarett <JBeaudoin@buttecounty.net>; Soderstrom, Monica <msoderstrom@buttecounty.net>; Cox, Erin <ECox@buttecounty.net>; Wais, Ashley <AWais@buttecounty.net>

Cc: Blankenship, DeAnne <DBlankenship@buttecounty.net>

Subject: DRAFT Press Release: Public Health Issues No-Swim Warning for Big Chico Creek Due to E. coli Risk

Importance: High

Hello all,

Please review the attached press release. In order to expedite this release, **PLEASE use track changes** when sending back your comments.

Thank you,

Lisa

Lisa Almaguer

Public Information Officer

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Beaudoin, Jarett

From: Beaudoin, Jarett
Sent: Friday, July 18, 2025 1:59 PM
To: mark.sorensen@chicoca.gov; skyler.lipski@Chicoca.gov; erik.gustafson@Chicoca.gov; emorrissey@chicorec.gov
Cc: Almaguer, Lisa; Soderstrom, Monica; Wais, Ashley; McSpadden, Elaine
Subject: CDC Update
Importance: High

Hey City of Chico Team,

BCPH spoke with CDPH and CDC today regarding the E.Coli O157 outbreak (I'm going to refer to this as EC O157 for the rest of this email, to distinguish it from the other general E.Coli species that we've been testing for). They agree with everything we've been doing/talking about, including removing the sediment from Sycamore pool and putting up no-swim notices. They have a low risk threshold for EC O157

The big updates are:

- recommend further testing upstream of the pool throughout the entire creek for **EC 0157 specifically**, targeting high swim areas (such as CARD's areas)
- recommend a public advisory not to swim in the entire Big Chico creek until testing can be completed

They have instructed BCPH on how to do the testing, and are sending us supplies to help with collection; so our Environmental Health team can collect these samples (Elaine is our EH director, cc'd here). The turn around time for the test is around 1 week, but they have to send us the supplies and such, so I imagine this may be a 3-4 week public advisory.

Just as a reminder- this is regarding the outbreak, so the advisory will be in place regardless of what the *general* E.Coli levels in the pool or other locations are post-cleaning, until we can confirm the EC O157 is not present.

Lisa is putting together a press release to announce the Creek-wide no-swim advisory and will send you a copy before it goes out.

I'm free for a phone call and apologize to send this all via email, but just wanted to get it out ASAP. Let me know if you have any thoughts or concerns!

-Jarett (267-761-1990)

Jarett Beaudoin, M.D., M.P.H.

Public Health Officer

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T: 530.552.4000

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Beaudoin, Jarett

From: Beaudoin, Jarett
Sent: Friday, July 18, 2025 1:40 PM
To: Almaguer, Lisa; Parker, Thomas; McSpadden, Elaine; Cox, Erin; Soderstrom, Monica; Thao, May
Subject: Fw: Preliminary Bacterial Report
Attachments: CH_2577037prelim.pdf

These are the locations CARD has done testing.

We need to decide where we want to test for O157. Do we want to use these locations? Add something farther upstream?

-Jarett

From: Beaudoin, Jarett <JBeaudoin@buttecounty.net>
Sent: Thursday, July 17, 2025 4:24 PM
To: Wais, Ashley <AWais@buttecounty.net>
Subject: Fw: Preliminary Bacterial Report

Still under 100 upstream!

-Jarett

From: Erin Morrissey <emorrissey@chicorec.gov>
Sent: Thursday, July 17, 2025 3:10 PM
To: Beaudoin, Jarett <jbeaudoin@buttecounty.net>
Cc: skyler.lipski@chicoca.gov <skyler.lipski@chicoca.gov>
Subject: FW: Preliminary Bacterial Report

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Hello Dr. Beaudoin

Thanks for your time today.

Here is testing from yesterday at CCNC, upper footbridge and 5-mile.

Today's testing included Hooker Oak Park – we should have preliminary reports tomorrow.

Here are the testing locations coordinates

1. 5- mile recreation area upstream from the footbridge 39°45'46.3"N 121°47'30.1"W
2. Hooker Oak Park near the bridge there is a swimming hole - 39°45'30.8"N 121°47'43.4"W
3. CCNC upstream food bridge Nature Center 39.747145, -121.805966
4. Chico Creek Nature Center swimming hole 39°44'47.4"N 121°48'33.8"W

I look forward to further advice.

Erin

From: Konou Xiong <konoux@fglinc.com>
Sent: Thursday, July 17, 2025 12:39 PM
To: Erin Morrissey <emorrissey@chicorec.gov>
Subject: Preliminary Bacterial Report

Hello,
Your bacterial analysis result is attached.
Thank you.
--



Konou Xiong
Lab Analyst
(530) 343-5818
[FGL Website](#) [FGL Facebook](#)

Beaudoin, Jarett

From: Beaudoin, Jarett
Sent: Friday, July 18, 2025 9:51 AM
To: Wais, Ashley
Subject: Accepted: STEC O157 Update

Beaudoin, Jarett

From: Beaudoin, Jarett
Sent: Thursday, July 17, 2025 4:25 PM
To: Wais, Ashley
Subject: Fw: Preliminary Bacterial Report
Attachments: CH_2577037prelim.pdf

Still under 100 upstream!

-Jarett

From: Erin Morrissey <emorrissey@chicorec.gov>
Sent: Thursday, July 17, 2025 3:10 PM
To: Beaudoin, Jarett <jbeaudoin@buttecounty.net>
Cc: skyler.lipski@chicoca.gov <skyler.lipski@chicoca.gov>
Subject: FW: Preliminary Bacterial Report

ATTENTION: This message originated from outside **Butte County**. Please exercise judgment before opening attachments, clicking on links, or replying.

Hello Dr. Beaudoin

Thanks for your time today.

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3. CCNC upstream food bridge Nature Center 39.747145, -121.805966
4. Chico Creek Nature Center swimming hole 39°44'47.4"N 121°48'33.8"W

I look forward to further advice.

Erin

From: Konou Xiong <konoux@fglinc.com>
Sent: Thursday, July 17, 2025 12:39 PM
To: Erin Morrissey <emorrissey@chicorec.gov>
Subject: Preliminary Bacterial Report

Hello,

Your bacterial analysis result is attached.

Thank you.

--



Konou Xiong
Lab Analyst
(530) 343-5818
[FGL Website](#) [FGL Facebook](#)

Beaudoin, Jarett

From: Beaudoin, Jarett
Sent: Thursday, July 17, 2025 4:16 PM
To: Almaguer, Lisa; Soderstrom, Monica; Cox, Erin; Wais, Ashley; McSpadden, Elaine
Subject: CDPH/CDC Call tomorrow

Hey Group,

I'm thinking through the next couple days. Ashley, Tom and I are meeting with CDPH/CDC tomorrow to talk about the cases & sampling. I think there is a good chance that they are going to ask for sediment and water samples **upstream**. I was talking to Erin M from CARD again today and they have gotten a lot of questions from parents (she said 50 different families!) about safety in these upstream locations. She also reasonably feels uncomfortable telling parents that the risk at these upstream locations is at baseline if in fact we are testing upstream because we are suspicious.

Consequently, I think that if CDPH/CDC is also suspicious of upstream sources, we should probably put out another message to the public.

Thoughts?

Jarett Beaudoin, M.D., M.P.H.

Public Health Officer

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T: 530.552.4000

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Beaudoin, Jarett

From: Beaudoin, Jarett
Sent: Thursday, July 17, 2025 4:03 PM
To: Almaguer, Lisa; Soderstrom, Monica; Cox, Erin; McSpadden, Elaine
Cc: Wais, Ashley; Thao, May
Subject: Fw: Consultation re: STEC O157 cases exposed to natural recreational water in Butte County, CA

FYI- our [REDACTED] are now shown to be genetically identical, suggesting that these are from the same source.

-Jarett

From: Lamba, Katherine@CDPH <Katherine.Lamba@cdph.ca.gov>
Sent: Thursday, July 17, 2025 3:54 PM
To: Wais, Ashley <AWais@buttecounty.net>; 'Mattioli, Mia Catharine (CDC/NCEZID/DFWED/WDPB)' <kuk9@cdc.gov>; Miko, Shanna (CDC/NCEZID/DFWED/WDPB) <rh6@cdc.gov>; Beaudoin, Jarett <jbeaudoin@buttecounty.net>
Cc: Stainken, Cameron@CDPH <Cameron.Stainken@cdph.ca.gov>; Kahler, Amy (CDC/NCEZID/DFWED/WDPB) <ete1@cdc.gov>; Kunz, Jasen M. (CDC/NCEZID/DFWED/WDPB) <izk0@cdc.gov>; Hill, Vincent (CDC/NCEZID/DFWED/WDPB) <veh2@cdc.gov>; McKeel, Haley (CDC/NCEZID/DFWED/EDLB) <hvw0@cdc.gov>; Strockbine, Nancy (CDC/NCEZID/DFWED/EDLB) <nas6@cdc.gov>
Subject: RE: Consultation re: STEC O157 cases exposed to natural recreational water in Butte County, CA

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[REDACTED]

[REDACTED]

[REDACTED]

[REDACTED]

[REDACTED]	[REDACTED]	[REDACTED]	[REDACTED]	[REDACTED]	[REDACTED]	[REDACTED]	[REDACTED]
[REDACTED]	[REDACTED]	[REDACTED]	[REDACTED]	[REDACTED]	[REDACTED]	[REDACTED]	[REDACTED]
[REDACTED]	[REDACTED]	[REDACTED]	[REDACTED]	[REDACTED]	[REDACTED]	[REDACTED]	[REDACTED]
[REDACTED]	[REDACTED]	[REDACTED]	[REDACTED]	[REDACTED]	[REDACTED]	[REDACTED]	[REDACTED]
[REDACTED]	[REDACTED]	[REDACTED]	[REDACTED]	[REDACTED]	[REDACTED]	[REDACTED]	[REDACTED]
[REDACTED]	[REDACTED]	[REDACTED]	[REDACTED]	[REDACTED]	[REDACTED]	[REDACTED]	[REDACTED]

Thanks,
Kat

Katherine Lamba, MPH (she/her)
California Department of Public Health
Phone: 510-620-3429 | Email: Katherine.Lamba@cdph.ca.gov

Confidential - Low

From: Wais, Ashley <AWais@buttecounty.net>

Sent: Thursday, July 17, 2025 8:56 AM

To: 'Mattioli, Mia Catharine (CDC/NCEZID/DFWED/WDPB)' <kuk9@cdc.gov>; Lamba, Katherine@CDPH <Katherine.Lamba@cdph.ca.gov>; Miko, Shanna (CDC/NCEZID/DFWED/WDPB) <rhu6@cdc.gov>; Beaudoin, Jarett <jbeaudoin@buttecounty.net>

Cc: Stainken, Cameron@CDPH <Cameron.Stainken@cdph.ca.gov>; Kahler, Amy (CDC/NCEZID/DFWED/WDPB) <ete1@cdc.gov>; Kunz, Jasen M. (CDC/NCEZID/DFWED/WDPB) <izk0@cdc.gov>; Hill, Vincent (CDC/NCEZID/DFWED/WDPB) <veh2@cdc.gov>; McKeel, Haley (CDC/NCEZID/DFWED/EDLB) <hvw0@cdc.gov>; Strockbine, Nancy (CDC/NCEZID/DFWED/EDLB) <nas6@cdc.gov>

Subject: RE: Consultation re: STEC O157 cases exposed to natural recreational water in Butte County, CA

Hi Mia,

Thank you for accommodating our tight schedule and consulting with us for this scenario. We have reached out to the City of Chico to see if they can acquire these samples. We are available at 12PM tomorrow for a discussion.

I did have a few questions related to the sample requests:

1. The pool is now drained (see below) and the process for removing sediment is underway. Did the sediment need to be submerged?
2. I am not sure it will be possible to acquire a "mucky water" sample now that the pool is drained. Is there a different type of sample that should be taken or should it be taken from another location (upstream)?

Any insight is appreciated.



Thank you,
Ashley Wais, MPH, CIC®

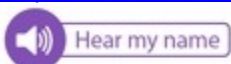
Epidemiologist

[BUTTE COUNTY PUBLIC HEALTH](#)

[202 Mira Loma Drive | Oroville, CA 95965](#)

T: [530-552-3950](#) | M: [530-300-4166](#)

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From: Mattioli, Mia Catharine (CDC/NCEZID/DFWED/WDPB) <kuk9@cdc.gov>
Sent: Thursday, July 17, 2025 8:31 AM
To: Lamba, Katherine@CDPH <Katherine.Lamba@cdph.ca.gov>; Miko, Shanna (CDC/NCEZID/DFWED/WDPB) <rhu6@cdc.gov>; Wais, Ashley <AWais@buttecounty.net>; Beaudoin, Jarett <jbeaudoin@buttecounty.net>
Cc: Stainken, Cameron (CDC cdph.ca.gov) <cameron.stainken@cdph.ca.gov>; Kahler, Amy (CDC/NCEZID/DFWED/WDPB) <ete1@cdc.gov>; Kunz, Jasen M. (CDC/NCEZID/DFWED/WDPB) <izk0@cdc.gov>; Hill, Vincent (CDC/NCEZID/DFWED/WDPB) <veh2@cdc.gov>; McKeel, Haley (CDC/NCEZID/DFWED/EDLB) <hvw0@cdc.gov>; Strockbine, Nancy (CDC/NCEZID/DFWED/EDLB) <nas6@cdc.gov>
Subject: RE: Consultation re: STEC O157 cases exposed to natural recreational water in Butte County, CA

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Hi Kat,

Thanks so much for proposing times!

CDC is available at the following:

- Friday 7/18: 12pm PST/3PM EST
- Monday 7/21: 1pm PST/4pm EST

Also, if they are cleaning out Sycamore pool, could we ask that someone grab two, 1-L bottles and fill one halfway with the sediment and the other almost full with the mucky water churned up? These can be stored in a fridge (4C) until process. Our lab does this type of testing if not available in CA. These samples will be the best for this type of bug and water source.

Thanks!

Mia

Mia Catharine Mattioli
Environmental Engineer
Centers for Disease Control and Prevention (CDC)
Department of Health and Human Services (HHS)
Office: (404) 718-5643

From: Lamba, Katherine@CDPH <Katherine.Lamba@cdph.ca.gov>
Sent: Wednesday, July 16, 2025 9:22 PM
To: Mattioli, Mia Catharine (CDC/NCEZID/DFWED/WDPB) <kuk9@cdc.gov>; Miko, Shanna (CDC/NCEZID/DFWED/WDPB) <rhu6@cdc.gov>; Wais, Ashley <AWais@buttecounty.net>; Beaudoin, Jarett <jbeaudoin@buttecounty.net>
Cc: Stainken, Cameron (CDC cdph.ca.gov) <cameron.stainken@cdph.ca.gov>; Kahler, Amy (CDC/NCEZID/DFWED/WDPB) <ete1@cdc.gov>; Kunz, Jasen M. (CDC/NCEZID/DFWED/WDPB) <izk0@cdc.gov>; Hill, Vincent (CDC/NCEZID/DFWED/WDPB) <veh2@cdc.gov>; McKeel, Haley (CDC/NCEZID/DFWED/EDLB) <hvw0@cdc.gov>; Strockbine, Nancy (CDC/NCEZID/DFWED/EDLB) <nas6@cdc.gov>
Subject: RE: Consultation re: STEC O157 cases exposed to natural recreational water in Butte County, CA

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Hi all,

Looping in a couple of folks from Butte County directly (Ashley Wais- epi and Dr. Beaudoin, Health Officer) so we can all sort out scheduling for this call.

Looks like scheduling over the next several days may be challenging but hopefully we can sort out a time that works sooner rather than later for the group. Would CDC team by chance be available during any of the following times?

- Thursday 7/17: 12pm PST/3PM EST
- Friday 7/18: 12pm PST/3PM EST
- Monday 7/21: 9am-11am PST (12-2 EST); 1pm PST/4pm EST
 - For Monday these are the slots that work for CDC and CDPH; @Wais, Ashley let us know if any of these work for Butte.

Thank you!
Kat

Katherine Lamba, MPH (she/her)
California Department of Public Health
Phone: 510-620-3429 | Email: Katherine.Lamba@cdph.ca.gov

Confidential - Low

From: Lamba, Katherine@CDPH
Sent: Wednesday, July 16, 2025 2:44 PM
To: Mattioli, Mia Catharine (CDC/NCEZID/DFWED/WDPB) <kuk9@cdc.gov>; Miko, Shanna (CDC/NCEZID/DFWED/WDPB) <rhu6@cdc.gov>
Cc: Stainken, Cameron@CDPH <Cameron.Stainken@cdph.ca.gov>; Kahler, Amy (CDC/NCEZID/DFWED/WDPB) <ete1@cdc.gov>; Kunz, Jasen M. (CDC/NCEZID/DFWED/WDPB) <izk0@cdc.gov>; Hill, Vincent (CDC/NCEZID/DFWED/WDPB) <veh2@cdc.gov>; McKeel, Haley (CDC/NCEZID/DFWED/EDLB) <hvw0@cdc.gov>; Strockbine, Nancy (CDC/NCEZID/DFWED/EDLB) <nas6@cdc.gov>
Subject: RE: Consultation re: STEC O157 cases exposed to natural recreational water in Butte County, CA

[REDACTED]

[REDACTED]

[REDACTED] My thought went to geese flying down from WA 😊 .

Kat

Katherine Lamba, MPH (she/her)
California Department of Public Health
Phone: 510-620-3429 | Email: Katherine.Lamba@cdph.ca.gov

From: Mattioli, Mia Catharine (CDC/NCEZID/DFWED/WDPB) <kuk9@cdc.gov>
Sent: Wednesday, July 16, 2025 2:30 PM
To: Lamba, Katherine@CDPH <Katherine.Lamba@cdph.ca.gov>; Miko, Shanna (CDC/NCEZID/DFWED/WDPB) <rhu6@cdc.gov>
Cc: Stainken, Cameron@CDPH <Cameron.Stainken@cdph.ca.gov>; Kahler, Amy (CDC/NCEZID/DFWED/WDPB) <ete1@cdc.gov>; Kunz, Jasen M. (CDC/NCEZID/DFWED/WDPB) <izk0@cdc.gov>; Hill, Vincent (CDC/NCEZID/DFWED/WDPB) <veh2@cdc.gov>; McKeel, Haley (CDC/NCEZID/DFWED/EDLB) <hvw0@cdc.gov>; Strockbine, Nancy (CDC/NCEZID/DFWED/EDLB) <nas6@cdc.gov>
Subject: RE: Consultation re: STEC O157 cases exposed to natural recreational water in Butte County, CA

Adding our other enterics clinical outbreak SME, Nancy Strockbine, as well.

Thanks!

Mia Catharine Mattioli
Environmental Engineer
Centers for Disease Control and Prevention (CDC)
Department of Health and Human Services (HHS)
Office: (404) 718-5643

From: Mattioli, Mia Catharine (CDC/NCEZID/DFWED/WDPB)
Sent: Wednesday, July 16, 2025 5:28 PM
To: Lamba, Katherine@CDPH <Katherine.Lamba@cdph.ca.gov>; Miko, Shanna (CDC/NCEZID/DFWED/WDPB) <rhu6@cdc.gov>
Cc: Stainken, Cameron (CDC cdph.ca.gov) <cameron.stainken@cdph.ca.gov>; Kahler, Amy (CDC/NCEZID/DFWED/WDPB) <ete1@cdc.gov>; Kunz, Jasen M. (CDC/NCEZID/DFWED/WDPB) <izk0@cdc.gov>; Hill, Vincent (CDC/NCEZID/DFWED/WDPB) <veh2@cdc.gov>; McKeel, Haley (CDC/NCEZID/DFWED/EDLB) <hvw0@cdc.gov>
Subject: RE: Consultation re: STEC O157 cases exposed to natural recreational water in Butte County, CA

OK, thanks so much! This is very close and similar sounding to our Lake Wildwood *E. coli* O157:H7 outbreak in 2017 at almost the exact same time of year. In that case there were Canada geese amplifying the pathogen within the lake. I wonder if there are geese or other birds frequenting these untreated venues as well. I'm including our clinical enterics laboratory SME, Haley McKeel, who was also involved in the 2017 response.

Our team would be available this Friday (7/18) from 12-2 PM EST or next Monday (7/21) after 12 PM EST. If none of those times work for you all, let us know what works best for you, and we can move things on our end.

Thanks again for reaching out!

Mia

Mia Catharine Mattioli
Environmental Engineer
Centers for Disease Control and Prevention (CDC)
Department of Health and Human Services (HHS)
Office: (404) 718-5643

From: Lamba, Katherine@CDPH <Katherine.Lamba@cdph.ca.gov>
Sent: Wednesday, July 16, 2025 5:22 PM
To: Mattioli, Mia Catharine (CDC/NCEZID/DFWED/WDPB) <kuk9@cdc.gov>; Miko, Shanna (CDC/NCEZID/DFWED/WDPB) <rhu6@cdc.gov>
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<ete1@cdc.gov>; Kunz, Jasen M. (CDC/NCEZID/DFWED/WDPB) <izk0@cdc.gov>; Hill, Vincent (CDC/NCEZID/DFWED/WDPB) <veh2@cdc.gov>

Subject: RE: Consultation re: STEC O157 cases exposed to natural recreational water in Butte County, CA

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Fantastic, thanks! Let me check in with our Butte County colleagues then I will loop them in and can coordinate setting something up. In the meantime if you are able to share some time slots over the next several days that work for your team that would be great.

Yes- Sycamore pool is untreated water.

Kat

Katherine Lamba, MPH (she/her)
California Department of Public Health
Phone: 510-620-3429 | Email: Katherine.Lamba@cdph.ca.gov

Confidential - Low

From: Mattioli, Mia Catharine (CDC/NCEZID/DFWED/WDPB) <kuk9@cdc.gov>
Sent: Wednesday, July 16, 2025 2:11 PM
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Cc: Stainken, Cameron@CDPH <Cameron.Stainken@cdph.ca.gov>; Kahler, Amy (CDC/NCEZID/DFWED/WDPB) <ete1@cdc.gov>; Kunz, Jasen M. (CDC/NCEZID/DFWED/WDPB) <izk0@cdc.gov>; Hill, Vincent (CDC/NCEZID/DFWED/WDPB) <veh2@cdc.gov>
Subject: RE: Consultation re: STEC O157 cases exposed to natural recreational water in Butte County, CA

Hi Kat,

Thanks for reaching out! Yes, Shanna and I are the right contacts. Shanna is only leave this week so I've included her back-fill for outbreak support, Jasen Kunz. Jasen can set up a call to discuss sampling and testing. Our lab does both water and sediment testing for *E. coli* O157:H7, and we happy to discuss our sampling and testing methods. Of note, generic *E. coli* tests used for monitoring do *not* detect O157:H7 strains, which means those values alone cannot be used to evaluate risk of pathogen contamination.

Thanks for the outbreak notes as well. Just so I'm clear, this pool is untreated, correct? It is fed by a creek without further treatment?

Let us know if you would like to set up a call or prefer Jasen reach out, and thanks again!

Mia

Mia Catharine Mattioli
Environmental Engineer
Centers for Disease Control and Prevention (CDC)
Department of Health and Human Services (HHS)
Office: (404) 718-5643

From: Lamba, Katherine@CDPH <Katherine.Lamba@cdph.ca.gov>

Sent: Wednesday, July 16, 2025 5:05 PM

To: Mattioli, Mia Catharine (CDC/NCEZID/DFWED/WDPB) <kuk9@cdc.gov>; Miko, Shanna (CDC/NCEZID/DFWED/WDPB) <rhu6@cdc.gov>

Cc: Stinken, Cameron (CDC cdph.ca.gov) <cameron.stinken@cdph.ca.gov>

Subject: Consultation re: STEC O157 cases exposed to natural recreational water in Butte County, CA

CAUTION: This email originated from outside of the organization. Do not click links or open attachments unless you recognize the sender and know the content is safe.

Hi Mia and Shanna,

Hoping you're still the right contacts to reach out to- if not, please forward as needed.

CDPH has been supporting Butte County in the investigation of STEC O157 cases they suspect are associated with a couple of related natural recreational water locations in Chico, CA. Butte County has been in discussions with the City of Chico regarding possible testing of water and sediment for STEC/STEC O157 and they are looking for guidance on sampling methods, interpretation of laboratory results, and considerations around water sampling. We're wondering if you and your team may be available to consult on this situation, possibly via a conference call?

Some background:

- Butte County initially identified 2 cases of STEC O157 [REDACTED] onsets [REDACTED], where exposure to [Sycamore Pool](#) (aka One-Mile recreational area/Bidwell Park) in Chico is the suspected exposure. WGS has been completed for one STEC case and is in process for the 2nd. No other closely related recent STEC isolates have been identified.
 - 1 additional STEC case with onset [REDACTED] and exposure to Sycamore pool on [REDACTED] was subsequently identified.
- Sycamore pool is a man-made concrete swimming 'pool' with fresh natural recreational water and is connected to Big Chico Creek
- On 7/1/25, the City of Chico issued a [swimming advisory](#) at Sycamore pool due to elevated E. coli levels from routine testing. Samples are routinely collected upstream and downstream from Sycamore pool. The [pool is closed 7/16-7/18](#) for routine sediment removal/cleaning.
- Butte County has now identified 2 additional STEC cases, onsets [REDACTED] with exposure to the [Five Mile recreational area](#) in Chico, which is also connected to the Big Chico Creek but is about 3 miles east of Sycamore Pool. WGS is pending to determine if these cases have STEC isolates that are related to cases with Sycamore pool exposure.

Thank you, and Cameron please chime in if I've missed any relevant info.

Kat

Katherine Lamba, MPH (she/her)

Epidemiologist

Disease Investigations Section | Infectious Diseases Branch

Center for Infectious Diseases

California Department of Public Health

Phone: 510-620-3429 | Email: Katherine.Lamba@cdph.ca.gov

IDB-DIS general inbox: IDB-DIS@cdph.ca.gov



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Confidential - Low

Beaudoin, Jarett

From: Beaudoin, Jarett
Sent: Thursday, July 17, 2025 10:35 AM
To: Skyler Lipski; Erik Gustafson
Cc: Wais, Ashley; Shane Romain
Subject: Re: Consultation re: STEC O157 cases exposed to natural recreational water in Butte County, CA

Shane is a hero. We'll let you know the logistics after our meeting with them tomorrow.

-Jarett

From: Skyler Lipski <skyler.lipski@Chicoca.gov>
Sent: Thursday, July 17, 2025 10:30 AM
To: Beaudoin, Jarett <JBeaudoin@buttecounty.net>; Erik Gustafson <erik.gustafson@Chicoca.gov>
Cc: Wais, Ashley <AWais@buttecounty.net>; Shane Romain <shane.romain@Chicoca.gov>
Subject: RE: Consultation re: STEC O157 cases exposed to natural recreational water in Butte County, CA

ATTENTION: This message originated from outside **Butte County**. Please exercise judgment before opening attachments, clicking on links, or replying.

Hi Jarett –

Shane's crew is getting that sample today and we will plan to keep it in our office refrigerator at 965 Fir.

Let us know if CDC will pick it up or if we need to deliver it somewhere.

Thanks,

Skyler Lipski

Deputy Director, Public Works O&M
(530) 894-4210 Office

From: Beaudoin, Jarett <JBeaudoin@buttecounty.net>
Sent: Thursday, July 17, 2025 8:42 AM
To: Skyler Lipski <skyler.lipski@Chicoca.gov>; Erik Gustafson <erik.gustafson@Chicoca.gov>
Cc: Wais, Ashley <AWais@buttecounty.net>
Subject: Fw: Consultation re: STEC O157 cases exposed to natural recreational water in Butte County, CA
Importance: High

ATTENTION: This message originated from outside **City of Chico**. Please exercise judgment before opening attachments, clicking on links, or replying. Please report any suspicious emails with the Phishing Alert Button in Outlook or forward the email to phishing@chicoca.gov

Hey Erik & Skyler,

Our issue finally got up to CDC headquarters. Unfortunately they are asking for a sample of the sediment (see below). Is there any sediment left today we can steal? No worries if not (we can try from an upstream site), but thought I would check.

-Jarett

From: Mattioli, Mia Catharine (CDC/NCEZID/DFWED/WDPB) <kuk9@cdc.gov>
Sent: Thursday, July 17, 2025 8:31 AM
To: Lamba, Katherine@CDPH <Katherine.Lamba@cdph.ca.gov>; Miko, Shanna (CDC/NCEZID/DFWED/WDPB) <rhu6@cdc.gov>; Wais, Ashley <AWais@buttecounty.net>; Beaudoin, Jarett <jbeaudoin@buttecounty.net>
Cc: Stainken, Cameron (CDC cdph.ca.gov) <cameron.stainken@cdph.ca.gov>; Kahler, Amy (CDC/NCEZID/DFWED/WDPB) <ete1@cdc.gov>; Kunz, Jasen M. (CDC/NCEZID/DFWED/WDPB) <izk0@cdc.gov>; Hill, Vincent (CDC/NCEZID/DFWED/WDPB) <veh2@cdc.gov>; McKeel, Haley (CDC/NCEZID/DFWED/EDLB) <hvw0@cdc.gov>; Strockbine, Nancy (CDC/NCEZID/DFWED/EDLB) <nas6@cdc.gov>
Subject: RE: Consultation re: STEC O157 cases exposed to natural recreational water in Butte County, CA

ATTENTION: This message originated from outside **Butte County**. Please exercise judgment before opening attachments, clicking on links, or replying.

Hi Kat,

Thanks so much for proposing times!

CDC is available at the following:

- Friday 7/18: 12pm PST/3PM EST
- Monday 7/21: 1pm PST/4pm EST

Also, if they are cleaning out Sycamore pool, could we ask that someone grab two, 1-L bottles and fill one halfway with the sediment and the other almost full with the mucky water churned up? These can be stored in a fridge (4C) until process. Our lab does this type of testing if not available in CA. These samples will be the best for this type of bug and water source.

Thanks!

Mia

Mia Catharine Mattioli
Environmental Engineer
Centers for Disease Control and Prevention (CDC)
Department of Health and Human Services (HHS)
Office: (404) 718-5643

From: Lamba, Katherine@CDPH <Katherine.Lamba@cdph.ca.gov>
Sent: Wednesday, July 16, 2025 9:22 PM
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Hi all,

Looping in a couple of folks from Butte County directly (Ashley Wais- epi and Dr. Beaudoin, Health Officer) so we can all sort out scheduling for this call.

Looks like scheduling over the next several days may be challenging but hopefully we can sort out a time that works sooner rather than later for the group. Would CDC team by chance be available during any of the following times?

- Thursday 7/17: 12pm PST/3PM EST
- Friday 7/18: 12pm PST/3PM EST
- Monday 7/21: 9am-11am PST (12-2 EST); 1pm PST/4pm EST
 - For Monday these are the slots that work for CDC and CDPH; @Wais, Ashley let us know if any of these work for Butte.

Thank you!

Kat

Katherine Lamba, MPH (she/her)
California Department of Public Health
Phone: 510-620-3429 | Email: Katherine.Lamba@cdph.ca.gov

Confidential - Low

From: Lamba, Katherine@CDPH
Sent: Wednesday, July 16, 2025 2:44 PM
To: Mattioli, Mia Catharine (CDC/NCEZID/DFWED/WDPB) <kuk9@cdc.gov>; Miko, Shanna (CDC/NCEZID/DFWED/WDPB) <rhu6@cdc.gov>
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Subject: RE: Consultation re: STEC O157 cases exposed to natural recreational water in Butte County, CA

My thought went to geese flying down from WA 😊 .

Kat

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California Department of Public Health
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Subject: RE: Consultation re: STEC O157 cases exposed to natural recreational water in Butte County, CA

Adding our other enterics clinical outbreak SME, Nancy Strockbine, as well.

Thanks!

Mia Catharine Mattioli
Environmental Engineer
Centers for Disease Control and Prevention (CDC)
Department of Health and Human Services (HHS)
Office: (404) 718-5643

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OK, thanks so much! This is very close and similar sounding to our Lake Wildwood *E. coli* O157:H7 outbreak in 2017 at almost the exact same time of year. In that case there were Canada geese amplifying the pathogen within the lake. I wonder if there are geese or other birds frequenting these untreated venues as well. I'm including our clinical enterics laboratory SME, Haley McKeel, who was also involved in the 2017 response.

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Thanks again for reaching out!

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Fantastic, thanks! Let me check in with our Butte County colleagues then I will loop them in and can coordinate setting something up. In the meantime if you are able to share some time slots over the next several days that work for your team that would be great.

Yes- Sycamore pool is untreated water.

Kat

Katherine Lamba, MPH (she/her)
California Department of Public Health
Phone: 510-620-3429 | Email: Katherine.Lamba@cdph.ca.gov

Confidential - Low

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Subject: RE: Consultation re: STEC O157 cases exposed to natural recreational water in Butte County, CA

Hi Kat,

Thanks for reaching out! Yes, Shanna and I are the right contacts. Shanna is only leave this week so I've included her back-fill for outbreak support, Jasen Kunz. Jasen can set up a call to discuss sampling and testing. Our lab does both water and sediment testing for *E. coli* O157:H7, and we happy to discuss our sampling and testing methods. Of note, generic *E. coli* tests used for monitoring do *not* detect O157:H7 strains, which means those values alone cannot be used to evaluate risk of pathogen contamination.

Thanks for the outbreak notes as well. Just so I'm clear, this pool is untreated, correct? It is fed by a creek without further treatment?

Let us know if you would like to set up a call or prefer Jasen reach out, and thanks again!

Mia

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Environmental Engineer
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Cc: Stainken, Cameron (CDC cdph.ca.gov) <cameron.stainken@cdph.ca.gov>

Subject: Consultation re: STEC O157 cases exposed to natural recreational water in Butte County, CA

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Hi Mia and Shanna,

Hoping you're still the right contacts to reach out to- if not, please forward as needed.

CDPH has been supporting Butte County in the investigation of STEC O157 cases they suspect are associated with a couple of related natural recreational water locations in Chico, CA. Butte County has been in discussions with the City of Chico regarding possible testing of water and sediment for STEC/STEC O157 and they are looking for guidance on sampling methods, interpretation of laboratory results, and considerations around water sampling. We're wondering if you and your team may be available to consult on this situation, possibly via a conference call?

Some background:

- Butte County initially identified 2 cases of STEC O157 [REDACTED], onsets [REDACTED], where exposure to [Sycamore Pool](#) (aka One-Mile recreational area/Bidwell Park) in Chico is the suspected exposure. WGS has been completed for one STEC case and is in process for the 2nd. No other closely related recent STEC isolates have been identified.
 - 1 additional STEC case with onset [REDACTED] and exposure to Sycamore pool on [REDACTED] was subsequently identified.
- Sycamore pool is a man-made concrete swimming 'pool' with fresh natural recreational water and is connected to Big Chico Creek
- On 7/1/25, the City of Chico issued a [swimming advisory](#) at Sycamore pool due to elevated E. coli levels from routine testing. Samples are routinely collected upstream and downstream from Sycamore pool. The [pool is closed 7/16-7/18](#) for routine sediment removal/cleaning.
- Butte County has now identified 2 additional STEC cases, onsets [REDACTED] with exposure to the [Five Mile recreational area](#) in Chico, which is also connected to the Big Chico Creek but is about 3 miles east of Sycamore Pool. WGS is pending to determine if these cases have STEC isolates that are related to cases with Sycamore pool exposure.

Thank you, and Cameron please chime in if I've missed any relevant info.

Kat

Katherine Lamba, MPH (she/her)

Epidemiologist

Disease Investigations Section | Infectious Diseases Branch

Center for Infectious Diseases

California Department of Public Health

Phone: 510-620-3429 | Email: Katherine.Lamba@cdph.ca.gov

IDB-DIS general inbox: IDB-DIS@cdph.ca.gov



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Confidential - Low

Beaudoin, Jarett

From: Beaudoin, Jarett
Sent: Thursday, July 17, 2025 9:59 AM
To: James Mu
Subject: Re: STEC Cases Connected with Butte

Ah nice. I'll let you know if I track someone down.

-Jarett

From: James Mu <jmu@shastacounty.gov>
Sent: Wednesday, July 16, 2025 1:40 PM
To: Beaudoin, Jarett <JBeaudoin@buttecounty.net>
Subject: RE: STEC Cases Connected with Butte

ATTENTION: This message originated from outside **Butte County**. Please exercise judgment before opening attachments, clicking on links, or replying.

Hi Jarett.

You're welcome!

I don't have any contacts at Whiskeytown Lake—it's operated by the National Park Service. I've been thinking about reaching out to them sometime soon for a meeting.

James C. Mu, MD

James C. Mu, MD
Health Officer | Public Health Branch

2650 Breslauer Way
Redding, CA 96001
Phone: (530)245-6870
Fax: (530)225-3743
Inter-Office Mail Code: HD401

www.shastahhsa.net



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From: Beaudoin, Jarett <JBeaudoin@buttecounty.net>
Sent: Wednesday, July 16, 2025 8:20 AM
To: James Mu <jmu@shastacounty.gov>
Subject: Re: STEC Cases Connected with Butte

⚠️ EXTERNAL SENDER: Do not follow links or open attachments unless you recognize the sender and know the content is safe.

Thank you James!

I believe we use Cooling "Centers".

I certainly don't mind bringing anyone into the group! The more the merrier.

Now MY last question- I notice that Whiskeytown Lake has bacterial issues and seems to have a good system. It seems to be run by the park system. Do you have a contact for the lake? Maybe someone who could point me in the right direction to talk to someone who watches these levels?

Thank you!

-Jarett

From: James Mu <jmu@shastacounty.gov>
Sent: Tuesday, July 15, 2025 9:50 AM
To: Beaudoin, Jarett <JBeaudoin@buttecounty.net>
Subject: RE: STEC Cases Connected with Butte

ATTENTION: This message originated from outside **Butte County**. Please exercise judgment before opening attachments, clicking on links, or replying.

Hi Jarett.

After reviewing our STEC cases more closely in Shasta County, none appear to be associated with exposure at Sycamore Pool. I appreciate the continued communication and collaboration across our counties.

I'd also like to ask about the terminology your county uses for extreme heat messaging—specifically regarding “air-conditioned spaces” and “cooling centers.” Glenn and Tehama counties refer to air-conditioned spaces as “Cooling Zones” and use “Cooling Centers” when formally activated. What terminology does your county use?

Lastly, I wanted to ask if it would be alright to invite the two new Public Health Officers in Siskiyou and Trinity Counties to join our mini-group. I believe they would benefit from the connection and shared updates, and it could strengthen our regional collaboration.

James C. Mu, MD

James C. Mu, MD
Health Officer | Public Health Branch

2650 Breslauer Way
Redding, CA 96001
Phone: (530)245-6870
Fax: (530)225-3743
Inter-Office Mail Code: HD401

www.shastahhsa.net



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From: Beaudoin, Jarrett <JBeaudoin@buttecounty.net>
Sent: Monday, July 14, 2025 11:45 AM
To: James Mu <jmu@shastacounty.gov>
Subject: Re: STEC Cases Connected with Butte

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Thank you! And if they didn't ask about water sources, we certainly don't mind reaching out or helping in any way.

-Jarrett

From: James Mu <jmu@shastacounty.gov>
Sent: Monday, July 14, 2025 11:43 AM
To: Beaudoin, Jarrett <JBeaudoin@buttecounty.net>
Subject: RE: STEC Cases Connected with Butte

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Thank you, Jarrett.

I believe our Communicable Disease unit has already investigated these cases, though I'm not certain whether they inquired specifically about pool exposure. I'll forward this to the team and ask them to follow up on that detail.

James C. Mu, MD

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Health Officer | Public Health Branch

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From: Beaudoin, Jarett <JBeaudoin@buttecounty.net>

Sent: Monday, July 14, 2025 10:19 AM

To: Satterfield, Mark <msatterfield@countyofplumas.com>; James Mu <jmu@shastacounty.gov>; Timothy Peters <timothy.peters@tchsa.net>

Subject: STEC Cases Connected with Butte

⚠ EXTERNAL SENDER: Do not follow links or open attachments unless you recognize the sender and know the content is safe.

Hello fellow Northern Health Officers!

As you may have heard, we are having a possible STEC outbreak in Butte County with some cases having connections to the local creek in town (Big Chico Creek, aka "1-Mile" aka "Sycamore Pool"). I got CDPH to pull all the STEC cases in your counties (attached) and just wanted to double check that none of the cases swam in Chico prior to their infectious period.

Would it be possible for you all to check with your investigating nurses to see if they mentioned any contact? Alternatively, if you all are swamped- I don't mind having my PHN's reach out the the patients to ask.

Any help would be appreciated!

Jarett

Jarett Beaudoin, M.D., M.P.H.

Public Health Officer

[BUTTE COUNTY PUBLIC HEALTH](#)

[202 Mira Loma Drive | Oroville, CA 95965](#)

T: 530.552.4000

Nationally Accredited since 09/13/17

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Beaudoin, Jarett

From: Beaudoin, Jarett
Sent: Thursday, July 17, 2025 9:44 AM
To: Lamba, Katherine@CDPH
Subject: Accepted: Butte County STEC O157 Sycamore Pool/CDC/CDPH

Beaudoin, Jarett

From: Beaudoin, Jarett
Sent: Thursday, July 17, 2025 9:10 AM
To: emorrissey@chicorec.gov
Subject: Fw: Consultation re: STEC O157 cases exposed to natural recreational water in Butte County, CA

FYI

-Jarett

From: Beaudoin, Jarett <JBeaudoin@buttecounty.net>
Sent: Thursday, July 17, 2025 8:41 AM
To: skyler.lipski@Chicoca.gov <skyler.lipski@chicoca.gov>; erik.gustafson@Chicoca.gov <erik.gustafson@chicoca.gov>
Cc: Wais, Ashley <AWais@buttecounty.net>
Subject: Fw: Consultation re: STEC O157 cases exposed to natural recreational water in Butte County, CA

Hey Erik & Skyler,

Our issue finally got up to CDC headquarters. Unfortunately they are asking for a sample of the sediment (see below). Is there any sediment left today we can steal? No worries if not (we can try from an upstream site), but thought I would check.

-Jarett

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Sent: Thursday, July 17, 2025 8:31 AM
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Cc: Stainken, Cameron (CDC cdph.ca.gov) <cameron.stainken@cdph.ca.gov>; Kahler, Amy (CDC/NCEZID/DFWED/WDPB) <ete1@cdc.gov>; Kunz, Jasen M. (CDC/NCEZID/DFWED/WDPB) <izk0@cdc.gov>; Hill, Vincent (CDC/NCEZID/DFWED/WDPB) <veh2@cdc.gov>; McKeel, Haley (CDC/NCEZID/DFWED/EDLB) <hvw0@cdc.gov>; Strockbine, Nancy (CDC/NCEZID/DFWED/EDLB) <nas6@cdc.gov>
Subject: RE: Consultation re: STEC O157 cases exposed to natural recreational water in Butte County, CA

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Hi Kat,

Thanks so much for proposing times!

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- Monday 7/21: 1pm PST/4pm EST

Also, if they are cleaning out Sycamore pool, could we ask that someone grab two, 1-L bottles and fill one halfway with the sediment and the other almost full with the mucky water churned up? These can be stored in a fridge (4C) until process. Our lab does this type of testing if not available in CA. These samples will be the best for this type of bug and water source.

Thanks!

Mia

Mia Catharine Mattioli
Environmental Engineer
Centers for Disease Control and Prevention (CDC)
Department of Health and Human Services (HHS)
Office: (404) 718-5643

From: Lamba, Katherine@CDPH <Katherine.Lamba@cdph.ca.gov>

Sent: Wednesday, July 16, 2025 9:22 PM

To: Mattioli, Mia Catharine (CDC/NCEZID/DFWED/WDPB) <kuk9@cdc.gov>; Miko, Shanna (CDC/NCEZID/DFWED/WDPB) <rh6@cdc.gov>; Wais, Ashley <AWais@buttecounty.net>; Beaudoin, Jarett <jbeaudoin@buttecounty.net>

Cc: Stainken, Cameron (CDC cdph.ca.gov) <cameron.stainken@cdph.ca.gov>; Kahler, Amy (CDC/NCEZID/DFWED/WDPB) <ete1@cdc.gov>; Kunz, Jasen M. (CDC/NCEZID/DFWED/WDPB) <izk0@cdc.gov>; Hill, Vincent (CDC/NCEZID/DFWED/WDPB) <veh2@cdc.gov>; McKeel, Haley (CDC/NCEZID/DFWED/EDLB) <hvw0@cdc.gov>; Strockbine, Nancy (CDC/NCEZID/DFWED/EDLB) <nas6@cdc.gov>

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Hi all,

Looping in a couple of folks from Butte County directly (Ashley Wais- epi and Dr. Beaudoin, Health Officer) so we can all sort out scheduling for this call.

Looks like scheduling over the next several days may be challenging but hopefully we can sort out a time that works sooner rather than later for the group. Would CDC team by chance be available during any of the following times?

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- Monday 7/21: 9am-11am PST (12-2 EST); 1pm PST/4pm EST
 - For Monday these are the slots that work for CDC and CDPH; @Wais, Ashley let us know if any of these work for Butte.

Thank you!

Kat

Katherine Lamba, MPH (she/her)
California Department of Public Health
Phone: 510-620-3429 | Email: Katherine.Lamba@cdph.ca.gov

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From: Lamba, Katherine@CDPH

Sent: Wednesday, July 16, 2025 2:44 PM

To: Mattioli, Mia Catharine (CDC/NCEZID/DFWED/WDPB) <kuk9@cdc.gov>; Miko, Shanna (CDC/NCEZID/DFWED/WDPB)

<rh6@cdc.gov>

Cc: Stinken, Cameron@CDPH <Cameron.Stinken@cdph.ca.gov>; Kahler, Amy (CDC/NCEZID/DFWED/WDPB) <ete1@cdc.gov>; Kunz, Jasen M. (CDC/NCEZID/DFWED/WDPB) <izk0@cdc.gov>; Hill, Vincent (CDC/NCEZID/DFWED/WDPB) <veh2@cdc.gov>; McKeel, Haley (CDC/NCEZID/DFWED/EDLB) <hvw0@cdc.gov>; Strockbine, Nancy (CDC/NCEZID/DFWED/EDLB) <nas6@cdc.gov>

Subject: RE: Consultation re: STEC O157 cases exposed to natural recreational water in Butte County, CA

My thought went to geese flying down from WA 😊.

Kat

Katherine Lamba, MPH (she/her)
California Department of Public Health
Phone: 510-620-3429 | Email: Katherine.Lamba@cdph.ca.gov

From: Mattioli, Mia Catharine (CDC/NCEZID/DFWED/WDPB) <kuk9@cdc.gov>

Sent: Wednesday, July 16, 2025 2:30 PM

To: Lamba, Katherine@CDPH <Katherine.Lamba@cdph.ca.gov>; Miko, Shanna (CDC/NCEZID/DFWED/WDPB) <rh6@cdc.gov>

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Subject: RE: Consultation re: STEC O157 cases exposed to natural recreational water in Butte County, CA

Adding our other enterics clinical outbreak SME, Nancy Strockbine, as well.

Thanks!

Mia Catharine Mattioli
Environmental Engineer
Centers for Disease Control and Prevention (CDC)
Department of Health and Human Services (HHS)
Office: (404) 718-5643

From: Mattioli, Mia Catharine (CDC/NCEZID/DFWED/WDPB)

Sent: Wednesday, July 16, 2025 5:28 PM

To: Lamba, Katherine@CDPH <Katherine.Lamba@cdph.ca.gov>; Miko, Shanna (CDC/NCEZID/DFWED/WDPB) <rh6@cdc.gov>

Cc: Stinken, Cameron (CDC cdph.ca.gov) <cameron.stinken@cdph.ca.gov>; Kahler, Amy (CDC/NCEZID/DFWED/WDPB) <ete1@cdc.gov>; Kunz, Jasen M. (CDC/NCEZID/DFWED/WDPB) <izk0@cdc.gov>; Hill, Vincent (CDC/NCEZID/DFWED/WDPB) <veh2@cdc.gov>; McKeel, Haley (CDC/NCEZID/DFWED/EDLB) <hvw0@cdc.gov>

Subject: RE: Consultation re: STEC O157 cases exposed to natural recreational water in Butte County, CA

OK, thanks so much! This is very close and similar sounding to our Lake Wildwood *E. coli* O157:H7 outbreak in 2017 at almost the exact same time of year. In that case there were Canada geese amplifying the pathogen within the lake. I wonder if there are geese or other birds frequenting these untreated venues as well. I'm including our clinical enterics laboratory SME, Haley McKeel, who was also involved in the 2017 response.

Our team would be available this Friday (7/18) from 12-2 PM EST or next Monday (7/21) after 12 PM EST. If none of those times work for you all, let us know what works best for you, and we can move things on our end.

Thanks again for reaching out!

Mia

Mia Catharine Mattioli
Environmental Engineer
Centers for Disease Control and Prevention (CDC)
Department of Health and Human Services (HHS)
Office: (404) 718-5643

From: Lamba, Katherine@CDPH <Katherine.Lamba@cdph.ca.gov>
Sent: Wednesday, July 16, 2025 5:22 PM
To: Mattioli, Mia Catharine (CDC/NCEZID/DFWED/WDPB) <kuk9@cdc.gov>; Miko, Shanna (CDC/NCEZID/DFWED/WDPB) <rhu6@cdc.gov>
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Subject: RE: Consultation re: STEC O157 cases exposed to natural recreational water in Butte County, CA

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Fantastic, thanks! Let me check in with our Butte County colleagues then I will loop them in and can coordinate setting something up. In the meantime if you are able to share some time slots over the next several days that work for your team that would be great.

Yes- Sycamore pool is untreated water.

Kat

Katherine Lamba, MPH (she/her)
California Department of Public Health
Phone: 510-620-3429 | Email: Katherine.Lamba@cdph.ca.gov

Confidential - Low

From: Mattioli, Mia Catharine (CDC/NCEZID/DFWED/WDPB) <kuk9@cdc.gov>
Sent: Wednesday, July 16, 2025 2:11 PM
To: Lamba, Katherine@CDPH <Katherine.Lamba@cdph.ca.gov>; Miko, Shanna (CDC/NCEZID/DFWED/WDPB) <rhu6@cdc.gov>
Cc: Stainken, Cameron@CDPH <Cameron.Stainken@cdph.ca.gov>; Kahler, Amy (CDC/NCEZID/DFWED/WDPB) <ete1@cdc.gov>; Kunz, Jasen M. (CDC/NCEZID/DFWED/WDPB) <izk0@cdc.gov>; Hill, Vincent (CDC/NCEZID/DFWED/WDPB) <veh2@cdc.gov>
Subject: RE: Consultation re: STEC O157 cases exposed to natural recreational water in Butte County, CA

Hi Kat,

Thanks for reaching out! Yes, Shanna and I are the right contacts. Shanna is only leave this week so I've included her back-fill for outbreak support, Jasen Kunz. Jasen can set up a call to discuss sampling and testing. Our lab does both water and sediment testing for *E. coli* O157:H7, and we happy to discuss our sampling and testing methods. Of note, generic *E. coli* tests used for monitoring do *not* detect O157:H7 strains, which means those values alone cannot be used to evaluate risk of pathogen contamination.

Thanks for the outbreak notes as well. Just so I'm clear, this pool is untreated, correct? It is fed by a creek without further treatment?

Let us know if you would like to set up a call or prefer Jasen reach out, and thanks again!

Mia

Mia Catharine Mattioli
Environmental Engineer
Centers for Disease Control and Prevention (CDC)
Department of Health and Human Services (HHS)
Office: (404) 718-5643

From: Lamba, Katherine@CDPH <Katherine.Lamba@cdph.ca.gov>

Sent: Wednesday, July 16, 2025 5:05 PM

To: Mattioli, Mia Catharine (CDC/NCEZID/DFWED/WDPB) <kuk9@cdc.gov>; Miko, Shanna (CDC/NCEZID/DFWED/WDPB) <rhu6@cdc.gov>

Cc: Stainken, Cameron (CDC cdph.ca.gov) <cameron.stainken@cdph.ca.gov>

Subject: Consultation re: STEC O157 cases exposed to natural recreational water in Butte County, CA

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Hi Mia and Shanna,

Hoping you're still the right contacts to reach out to- if not, please forward as needed.

CDPH has been supporting Butte County in the investigation of STEC O157 cases they suspect are associated with a couple of related natural recreational water locations in Chico, CA. Butte County has been in discussions with the City of Chico regarding possible testing of water and sediment for STEC/STEC O157 and they are looking for guidance on sampling methods, interpretation of laboratory results, and considerations around water sampling. We're wondering if you and your team may be available to consult on this situation, possibly via a conference call?

Some background:

- Butte County initially identified 2 cases of STEC O157 [REDACTED], onsets [REDACTED], where exposure to [Sycamore Pool](#) (aka One-Mile recreational area/Bidwell Park) in Chico is the suspected exposure. WGS has been completed for one STEC case and is in process for the 2nd. No other closely related recent STEC isolates have been identified.
 - 1 additional STEC case with onset [REDACTED] and exposure to Sycamore pool on [REDACTED] was subsequently identified.
- Sycamore pool is a man-made concrete swimming 'pool' with fresh natural recreational water and is connected to Big Chico Creek

- On 7/1/25, the City of Chico issued a [swimming advisory](#) at Sycamore pool due to elevated E. coli levels from routine testing. Samples are routinely collected upstream and downstream from Sycamore pool. The [pool is closed 7/16-7/18](#) for routine sediment removal/cleaning.
- Butte County has now identified 2 additional STEC cases, onsets [REDACTED] with exposure to the [Five Mile recreational area](#) in Chico, which is also connected to the Big Chico Creek but is about 3 miles east of Sycamore Pool. WGS is pending to determine if these cases have STEC isolates that are related to cases with Sycamore pool exposure.

Thank you, and Cameron please chime in if I've missed any relevant info.

Kat

Katherine Lamba, MPH (she/her)
Epidemiologist
Disease Investigations Section | Infectious Diseases Branch
Center for Infectious Diseases
California Department of Public Health
Phone: 510-620-3429 | Email: Katherine.Lamba@cdph.ca.gov
IDB-DIS general inbox: IDB-DIS@cdph.ca.gov



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Beaudoin, Jarett

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Hey Erik & Skyler,

Our issue finally got up to CDC headquarters. Unfortunately they are asking for a sample of the sediment (see below). Is there any sediment left today we can steal? No worries if not (we can try from an upstream site), but thought I would check.

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Kat

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Subject: RE: Consultation re: STEC O157 cases exposed to natural recreational water in Butte County, CA

[REDACTED]

[REDACTED]

[REDACTED] My thought went to geese flying down from WA 😊 .

Kat

Katherine Lamba, MPH (she/her)
California Department of Public Health
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From: Mattioli, Mia Catharine (CDC/NCEZID/DFWED/WDPB) <kuk9@cdc.gov>
Sent: Wednesday, July 16, 2025 2:30 PM
To: Lamba, Katherine@CDPH <Katherine.Lamba@cdph.ca.gov>; Miko, Shanna (CDC/NCEZID/DFWED/WDPB) <rhu6@cdc.gov>
Cc: Stainken, Cameron@CDPH <Cameron.Stainken@cdph.ca.gov>; Kahler, Amy (CDC/NCEZID/DFWED/WDPB) <ete1@cdc.gov>; Kunz, Jasen M. (CDC/NCEZID/DFWED/WDPB) <izk0@cdc.gov>; Hill, Vincent (CDC/NCEZID/DFWED/WDPB) <veh2@cdc.gov>; McKeel, Haley (CDC/NCEZID/DFWED/EDLB) <hvw0@cdc.gov>; Strockbine, Nancy (CDC/NCEZID/DFWED/EDLB) <nas6@cdc.gov>
Subject: RE: Consultation re: STEC O157 cases exposed to natural recreational water in Butte County, CA

Adding our other enterics clinical outbreak SME, Nancy Strockbine, as well.

Thanks!

Mia Catharine Mattioli
Environmental Engineer
Centers for Disease Control and Prevention (CDC)
Department of Health and Human Services (HHS)
Office: (404) 718-5643

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OK, thanks so much! This is very close and similar sounding to our Lake Wildwood *E. coli* O157:H7 outbreak in 2017 at almost the exact same time of year. In that case there were Canada geese amplifying the pathogen within the lake. I wonder if there are geese or other birds frequenting these untreated venues as well. I'm including our clinical enterics laboratory SME, Haley McKeel, who was also involved in the 2017 response.

Our team would be available this Friday (7/18) from 12-2 PM EST or next Monday (7/21) after 12 PM EST. If none of those times work for you all, let us know what works best for you, and we can move things on our end.

Thanks again for reaching out!

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Fantastic, thanks! Let me check in with our Butte County colleagues then I will loop them in and can coordinate setting something up. In the meantime if you are able to share some time slots over the next several days that work for your team that would be great.

Yes- Sycamore pool is untreated water.

Kat

Katherine Lamba, MPH (she/her)
California Department of Public Health
Phone: 510-620-3429 | Email: Katherine.Lamba@cdph.ca.gov

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Subject: RE: Consultation re: STEC O157 cases exposed to natural recreational water in Butte County, CA

Hi Kat,

Thanks for reaching out! Yes, Shanna and I are the right contacts. Shanna is only leave this week so I've included her back-fill for outbreak support, Jasen Kunz. Jasen can set up a call to discuss sampling and testing. Our lab does both water and sediment testing for *E. coli* O157:H7, and we happy to discuss our sampling and testing methods. Of note, generic *E. coli* tests used for monitoring do *not* detect O157:H7 strains, which means those values alone cannot be used to evaluate risk of pathogen contamination.

Thanks for the outbreak notes as well. Just so I'm clear, this pool is untreated, correct? It is fed by a creek without further treatment?

Let us know if you would like to set up a call or prefer Jasen reach out, and thanks again!

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Hi Mia and Shanna,

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CDPH has been supporting Butte County in the investigation of STEC O157 cases they suspect are associated with a couple of related natural recreational water locations in Chico, CA. Butte County has been in discussions with the City of Chico regarding possible testing of water and sediment for STEC/STEC O157 and they are looking for guidance on sampling methods, interpretation of laboratory results, and considerations around water sampling. We're wondering if you and your team may be available to consult on this situation, possibly via a conference call?

Some background:

- Butte County initially identified 2 cases of STEC O157 [REDACTED], onsets [REDACTED], where exposure to [Sycamore Pool](#) (aka One-Mile recreational area/Bidwell Park) in Chico is the suspected exposure. WGS has been completed for one STEC case and is in process for the 2nd. No other closely related recent STEC isolates have been identified.
 - 1 additional STEC case with onset [REDACTED] and exposure to Sycamore pool on [REDACTED] was subsequently identified.
- Sycamore pool is a man-made concrete swimming 'pool' with fresh natural recreational water and is connected to Big Chico Creek
- On 7/1/25, the City of Chico issued a [swimming advisory](#) at Sycamore pool due to elevated *E. coli* levels from routine testing. Samples are routinely collected upstream and downstream from Sycamore pool. The [pool is closed 7/16-7/18](#) for routine sediment removal/cleaning.

- Butte County has now identified 2 additional STEC cases, onsets [REDACTED] with exposure to the [Five Mile recreational area](#) in Chico, which is also connected to the Big Chico Creek but is about 3 miles east of Sycamore Pool. WGS is pending to determine if these cases have STEC isolates that are related to cases with Sycamore pool exposure.

Thank you, and Cameron please chime in if I've missed any relevant info.

Kat

Katherine Lamba, MPH (she/her)
Epidemiologist
Disease Investigations Section | Infectious Diseases Branch
Center for Infectious Diseases
California Department of Public Health
Phone: 510-620-3429 | Email: Katherine.Lamba@cdph.ca.gov
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Confidential - Low

Beaudoin, Jarett

From: Beaudoin, Jarett
Sent: Thursday, July 17, 2025 8:57 AM
To: Gallick Bertolucci, Regina; Pandori, Mark
Cc: Morrow, Danielle; Wais, Ashley; Cox, Erin
Subject: Re: O157 water testing?

CDPH and CDC have now come to our rescue! We are meeting with them tomorrow and it seems they will be helping us with testing.

I am nervous that their testing may be slow so I may reach back out if needed. I'll let you know what happens.

Thanks a bunch!

-Jarett

From: Gallick Bertolucci, Regina <RGallickBertolucci@buttecounty.net>
Sent: Thursday, July 17, 2025 8:24 AM
To: Pandori, Mark <pandorim@saccounty.gov>; Beaudoin, Jarett <JBeaudoin@buttecounty.net>
Cc: Morrow, Danielle <dhopkins@buttecounty.net>; Wais, Ashley <AWais@buttecounty.net>; Cox, Erin <ECox@buttecounty.net>
Subject: RE: O157 water testing?

We have a good working relationship with Donna and Rawni at Monterey County PHL. I have informed Zenda at CDPH of our rise in O157, and they included Greg Inami in the Foodborne and Waterborne Disease section.

What would you to ask or get more information about?

Regina Gallick Bertolucci, MPH-Infection Control, PHM, CPH, CPT
Manager, Public Health Laboratory
[BUTTE COUNTY PUBLIC HEALTH](#)
[695 Oleander Ave Chico CA 95926](#)
T: 530.891.2747 | M: 530.693.7304

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[FACEBOOK](#) | [TWITTER](#) | [INSTAGRAM](#) | [YOUTUBE](#)

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From: Pandori, Mark <pandorim@saccounty.gov>
Sent: Wednesday, July 16, 2025 5:14 PM
To: Beaudoin, Jarett <JBeaudoin@buttecounty.net>
Cc: Gallick Bertolucci, Regina <RGallickBertolucci@buttecounty.net>; Morrow, Danielle <dhopkins@buttecounty.net>; Wais, Ashley <AWais@buttecounty.net>; Cox, Erin <ECox@buttecounty.net>
Subject: RE: O157 water testing?

ATTENTION: This message originated from outside **Butte County**. Please exercise judgment before opening attachments, clicking on links, or replying.

Yea, some county labs are really good at water testing.

I used to call Monterey County and ask them all my water testing questions. Danielle or Regina, do you need a contact?

There are some cool things that CDPH has also done with PCR for O157 in water. I can see who is in charge there.

mark

From: Beaudoin, Jarett <JBeaudoin@buttecounty.net>

Sent: Wednesday, July 16, 2025 11:06

To: Pandori, Mark <pandorim@saccounty.gov>

Cc: Gallick Bertolucci, Regina <RGallickBertolucci@buttecounty.net>; Morrow, Danielle <dhopkins@buttecounty.net>;

Wais, Ashley <AWais@buttecounty.net>; Cox, Erin <ECox@buttecounty.net>

Subject: O157 water testing?

! EXTERNAL EMAIL: If unknown sender, **do not** click links/attachments. **!**
If you have concerns about this email, please report it via the Phish Alert button.

Hey Mark,

Random question- we have a O157/STEC outbreak we are investigating, with connections to a local creek (Big Chico Creek). We test the water for E.Coli but were interested in trying to sample the water (and even the sediment) for O157 and/or STEC.

Are you familiar at all with water testing or know someone who would be? We got this guide from Nevada County who has a similar outbreak. We have emails out to CDPH and some other experts, but Ashley smartly thought you may have some thoughts.

Any leads are helpful!

Jarett Beaudoin, M.D., M.P.H.

Public Health Officer

[BUTTE COUNTY PUBLIC HEALTH](#)

[202 Mira Loma Drive | Oroville, CA 95965](#)

T: 530.552.4000

Nationally Accredited since 09/13/17

[FACEBOOK](#) | [TWITTER \(X\)](#) | [INSTAGRAM](#) | [YOUTUBE](#)

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Beaudoin, Jarett

From: Beaudoin, Jarett
Sent: Thursday, July 17, 2025 8:42 AM
To: skyler.lipski@Chicoca.gov; erik.gustafson@Chicoca.gov
Cc: Wais, Ashley
Subject: Fw: Consultation re: STEC O157 cases exposed to natural recreational water in Butte County, CA

Importance: High

Hey Erik & Skyler,

Our issue finally got up to CDC headquarters. Unfortunately they are asking for a sample of the sediment (see below). Is there any sediment left today we can steal? No worries if not (we can try from an upstream site), but thought I would check.

-Jarett

From: Mattioli, Mia Catharine (CDC/NCEZID/DFWED/WDPB) <kuk9@cdc.gov>
Sent: Thursday, July 17, 2025 8:31 AM
To: Lamba, Katherine@CDPH <Katherine.Lamba@cdph.ca.gov>; Miko, Shanna (CDC/NCEZID/DFWED/WDPB) <rh6@cdc.gov>; Wais, Ashley <AWais@buttecounty.net>; Beaudoin, Jarett <jbeaudoin@buttecounty.net>
Cc: Stainken, Cameron (CDC cdph.ca.gov) <cameron.stainken@cdph.ca.gov>; Kahler, Amy (CDC/NCEZID/DFWED/WDPB) <ete1@cdc.gov>; Kunz, Jasen M. (CDC/NCEZID/DFWED/WDPB) <izk0@cdc.gov>; Hill, Vincent (CDC/NCEZID/DFWED/WDPB) <veh2@cdc.gov>; McKeel, Haley (CDC/NCEZID/DFWED/EDLB) <hvw0@cdc.gov>; Strockbine, Nancy (CDC/NCEZID/DFWED/EDLB) <nas6@cdc.gov>
Subject: RE: Consultation re: STEC O157 cases exposed to natural recreational water in Butte County, CA

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Hi Kat,

Thanks so much for proposing times!

CDC is available at the following:

- Friday 7/18: 12pm PST/3PM EST
- Monday 7/21: 1pm PST/4pm EST

Also, if they are cleaning out Sycamore pool, could we ask that someone grab two, 1-L bottles and fill one halfway with the sediment and the other almost full with the mucky water churned up? These can be stored in a fridge (4C) until process. Our lab does this type of testing if not available in CA. These samples will be the best for this type of bug and water source.

Thanks!

Mia

Mia Catharine Mattioli
Environmental Engineer

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Sent: Wednesday, July 16, 2025 9:22 PM
To: Mattioli, Mia Catharine (CDC/NCEZID/DFWED/WDPB) <kuk9@cdc.gov>; Miko, Shanna (CDC/NCEZID/DFWED/WDPB) <rhu6@cdc.gov>; Wais, Ashley <AWais@buttecounty.net>; Beaudoin, Jarett <jbeaudoin@buttecounty.net>
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Hi all,

Looping in a couple of folks from Butte County directly (Ashley Wais- epi and Dr. Beaudoin, Health Officer) so we can all sort out scheduling for this call.

Looks like scheduling over the next several days may be challenging but hopefully we can sort out a time that works sooner rather than later for the group. Would CDC team by chance be available during any of the following times?

- Thursday 7/17: 12pm PST/3PM EST
- Friday 7/18: 12pm PST/3PM EST
- Monday 7/21: 9am-11am PST (12-2 EST); 1pm PST/4pm EST
 - For Monday these are the slots that work for CDC and CDPH; @Wais, Ashley let us know if any of these work for Butte.

Thank you!
Kat

Katherine Lamba, MPH (she/her)
California Department of Public Health
Phone: 510-620-3429 | Email: Katherine.Lamba@cdph.ca.gov

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Subject: RE: Consultation re: STEC O157 cases exposed to natural recreational water in Butte County, CA

[REDACTED]

[REDACTED]

[REDACTED] My thought went to geese flying down from WA 😊 .

Kat

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- Sycamore pool is a man-made concrete swimming 'pool' with fresh natural recreational water and is connected to Big Chico Creek
- On 7/1/25, the City of Chico issued a [swimming advisory](#) at Sycamore pool due to elevated E. coli levels from routine testing. Samples are routinely collected upstream and downstream from Sycamore pool. The [pool is closed 7/16-7/18](#) for routine sediment removal/cleaning.
- Butte County has now identified 2 additional STEC cases, onsets [REDACTED] with exposure to the [Five Mile recreational area](#) in Chico, which is also connected to the Big Chico Creek but is about 3 miles east of Sycamore Pool. WGS is pending to determine if these cases have STEC isolates that are related to cases with Sycamore pool exposure.

Thank you, and Cameron please chime in if I've missed any relevant info.

Kat

Katherine Lamba, MPH (she/her)

Epidemiologist

Disease Investigations Section | Infectious Diseases Branch

Center for Infectious Diseases

California Department of Public Health

Phone: 510-620-3429 | Email: Katherine.Lamba@cdph.ca.gov

IDB-DIS general inbox: IDB-DIS@cdph.ca.gov



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Confidential - Low

Beaudoin, Jarett

From: Beaudoin, Jarett
Sent: Wednesday, July 16, 2025 11:42 AM
To: Skyler Lipski; Erin Morrissey; Wais, Ashley; Shane Romain; Erik Gustafson; Almaguer, Lisa
Cc: Lindsay Amundson
Subject: Re: Sycamore Follow-up

Let me ask Wildwood what they do. I'm inclined to say that we could have lifeguards, but with the signs up and the specific lifeguard precautions (only get in water if someone is drowning).

Will let you know what Wildwood says.

-Jarett

From: Skyler Lipski <skyler.lipski@Chicoca.gov>
Sent: Wednesday, July 16, 2025 10:49 AM
To: Erin Morrissey <emorrissey@chicorec.gov>; Beaudoin, Jarett <JBeaudoin@buttecounty.net>; Wais, Ashley <AWais@buttecounty.net>; Shane Romain <shane.romain@Chicoca.gov>; Erik Gustafson <erik.gustafson@Chicoca.gov>; Almaguer, Lisa <LAlmaguer@buttecounty.net>
Cc: Lindsay Amundson <Lindsay.Amundson@chicoca.gov>
Subject: RE: Sycamore Follow-up

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Jarett –

Seeking your advice on lifeguards... while in the “advisory” state, should we still have lifeguards present since we are only advising of bacteria levels, not telling people “no swimming.” Or would you suggest we halt lifeguard presence in advisory to reduce the invitation to swim?

Thanks,

Skyler Lipski

Deputy Director, Public Works O&M
(530) 894-4210 Office

From: Skyler Lipski
Sent: Wednesday, July 16, 2025 8:48 AM
To: Erin Morrissey <emorrissey@chicorec.gov>; Beaudoin, Jarett <JBeaudoin@buttecounty.net>; Wais, Ashley <AWais@buttecounty.net>; Shane Romain <shane.romain@Chicoca.gov>; Erik Gustafson <erik.gustafson@Chicoca.gov>; Lisa Almaguer <LAlmaguer@buttecounty.net>
Cc: Lindsay Amundson <Lindsay.Amundson@chicoca.gov>
Subject: RE: Sycamore Follow-up

Erin – that’s great news! Do you mind shooting me the contact for the person you connected with at FGL? It sounds like I got some different information from their Microbiology Project Manager, Raquel Harvey. Thanks!

Skyler Lipski

Deputy Director, Public Works O&M
(530) 894-4210 Office

From: Erin Morrissey <emorrissey@chicorec.gov>**Sent:** Wednesday, July 16, 2025 8:34 AM**To:** Skyler Lipski <skyler.lipski@Chicoca.gov>; Beaudoin, Jarrett <JBeaudoin@buttecounty.net>; Wais, Ashley <AWais@buttecounty.net>; Shane Romain <shane.romain@Chicoca.gov>; Erik Gustafson <erik.gustafson@Chicoca.gov>; Lisa Almaguer <LAlmaguer@buttecounty.net>**Cc:** Lindsay Amundson <Lindsay.Amundson@chicoca.gov>**Subject:** RE: Sycamore Follow-up

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Hi all

I just received a message from FGL that they can do the HO157 and they are waiting to hear from another lab regarding the STEC.

I have requested to start daily testing at 4 locations (5-mile, Hooker Oak Park, the upper footbridge and the Nature Center) for the standard E Coli and the HO157 bacteria. If they are able to identify a lab to test for STEC then we will add that. I look forward to sharing the results with this group.

I am open to any suggested amendments to this testing regime, please do not hesitate to reach out.

Thanks,

Erin

From: Skyler Lipski <skyler.lipski@Chicoca.gov>**Sent:** Tuesday, July 15, 2025 5:12 PM**To:** Erin Morrissey <emorrissey@chicorec.gov>; Beaudoin, Jarrett <JBeaudoin@buttecounty.net>; Wais, Ashley <AWais@buttecounty.net>; Shane Romain <shane.romain@Chicoca.gov>; Erik Gustafson <erik.gustafson@Chicoca.gov>; Lisa Almaguer <LAlmaguer@buttecounty.net>**Cc:** Lindsay Amundson <Lindsay.Amundson@chicoca.gov>**Subject:** RE: Sycamore Follow-up

I inquired with FGL about testing for STEC or EC 0157:H7 and they explained are not able to test for those. They mentioned two other labs, SGS or Primus, *may* be able to help.

Skyler Lipski

Deputy Director, Public Works O&M
(530) 894-4210 Office

From: Erin Morrissey <emorrissey@chicorec.gov>**Sent:** Tuesday, July 15, 2025 5:00 PM**To:** Beaudoin, Jarrett <JBeaudoin@buttecounty.net>; Skyler Lipski <skyler.lipski@Chicoca.gov>; Wais, Ashley <AWais@buttecounty.net>; Shane Romain <shane.romain@Chicoca.gov>; Erik Gustafson <erik.gustafson@Chicoca.gov>; Lisa Almaguer <LAlmaguer@buttecounty.net>

Cc: Lindsay Amundson <Lindsay.Amundson@chicoca.gov>

Subject: RE: Sycamore Follow-up

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Thanks Jarett, I appreciate the follow up.

I reached out to FGL to ask about the more specific testing. We plan to move to daily testing at the upstream swimming holes, preferably with the more specialized testing.

We currently have Lifeguards scheduled for Friday afternoon – this is the anticipated time for the pool to refill after cleaning. Please advise if we should maintain the current lifeguard schedule or if we should wait for the testing post pool cleaning.

I will keep everyone posted on what I hear back about the testing.

I have also attached the results from our 1st batch of testing for those who haven't received this yet.

Thanks

Erin

From: Beaudoin, Jarett <JBeaudoin@buttecounty.net>

Sent: Tuesday, July 15, 2025 3:27 PM

To: skyler.lipski@Chicoca.gov; Wais, Ashley <AWais@buttecounty.net>; shane.romain@Chicoca.gov; erik.gustafson@Chicoca.gov; Almaguer, Lisa <LAlmaguer@buttecounty.net>

Cc: Lindsay Amundson <lindsay.amundson@chicoca.gov>; Erin Morrissey <emorrissey@chicorec.gov>

Subject: Sycamore Follow-up

Thank you all for the great meeting!

I think fixing the signage, changing the website, removing the lifeguards, cleaning the pool, then revisiting next week is a great plan.

As for the **non-pool sites** (Five Mile, Nature Center, Hooker Oak, places where lots of CARD kids play):

- I think daily testing for E.Coli as just an indicator/warning species would be great
- I think we should use the same EPA/Waterboard guidance when looking at those levels (see attached)
- As for testing the more harmful variant, our bug has two qualities that could be tested for: the toxin or the species.
 - **STEC** (Shiga-Toxin Producing E.Coli) is when the type of E.coli produces a specific toxin.
 - **E.Coli HO157** is a type of E.Coli that frequently becomes harmful.
- **I would ask the lab if they can do either of these tests on water.** I believe it is possible with either a culture or a PCR from water, but not sure if they can do it. I'm also not sure if there is additional guidance on number of samples or ways to sample for this particular E.Coli, but we will keep reading and chatting with people on our side. Let me know if they say yes!
- Ashley and I will keep talking with people to get more details. If anyone is curious, my residual questions for the various experts/other localities are below.

Please feel free to reach out if you have any thoughts!

-Jarett

Pending Questions I am planning to discuss with experts/other localities

- For a possible STEC outbreak in a stream/river, should we do sediment samples (or other samples) upstream? If so how? Where?
- Can we track the origin of the STEC or E.Coli to an animal or human? If so how?
- If levels continue to be in the 100-200 range at Sycamore pool, are there any interventions that can be used for a running creek to reduce the levels?
- Is the Color-Coded system for 100-200 = yellow; 200+ = red; based on any evidence?

(I'm sure I have more, but those are the big ones)

Jarett Beaudoin, M.D., M.P.H.

Public Health Officer

[BUTTE COUNTY PUBLIC HEALTH](#)

[202 Mira Loma Drive | Oroville, CA 95965](#)

T: 530.552.4000

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Beaudoin, Jarett

From: Beaudoin, Jarett
Sent: Wednesday, July 16, 2025 11:06 AM
To: Pandori, Mark
Cc: Gallick Bertolucci, Regina; Morrow, Danielle; Wais, Ashley; Cox, Erin
Subject: O157 water testing?
Attachments: Final LWW Report Appendices-Nevada County.pdf

Hey Mark,

Random question- we have a O157/STEC outbreak we are investigating, with connections to a local creek (Big Chico Creek). We test the water for E.Coli but were interested in trying to sample the water (and even the sediment) for O157 and/or STEC.

Are you familiar at all with water testing or know someone who would be? We got this guide from Nevada County who has a similar outbreak. We have emails out to CDPH and some other experts, but Ashley smartly thought you may have some thoughts.

Any leads are helpful!

Jarett Beaudoin, M.D., M.P.H.

Public Health Officer

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Beaudoin, Jarett

From: Beaudoin, Jarett
Sent: Wednesday, July 16, 2025 10:51 AM
To: Erin Morrissey; Skyler Lipski; Wais, Ashley
Subject: Re: New test?

Ah gotcha.

FYI- Ashley and I are asking CDPH and our Lab director about the sampling as well.

-Jarett

From: Erin Morrissey <emorrissey@chicorec.gov>
Sent: Wednesday, July 16, 2025 10:48 AM
To: Skyler Lipski <skyler.lipski@chicoca.gov>; Beaudoin, Jarett <jbeaudoin@buttecounty.net>
Subject: FW: New test?

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UGH! See below- sounds like they can't do the specialized test locally. They are looking for another lab that can do it...

We are moving forward with the E Coli testing at the 4 sites and hopefully they will find someone who can do the more specialized testing. I will keep you posted!
Erin

From: Heidi Ochoa <heidio@fglinc.com>
Sent: Wednesday, July 16, 2025 9:32 AM
To: Erin Morrissey <emorrissey@chicorec.gov>; zanep@fglinc.com
Subject: Re: New test?

Hello,

I apologize but we cannot analyze Surface Water for E.Coli HO157. We can only analyze Drinking Water for E.Coli HO157.

Are you seeking the Coliform-LTB-Series 15 Tube or the Coliform-Quanti Tray 2000-L daily?

--



Heidi Ochoa
Chico Laboratory Manger
(530) 343-5818
[FGL Website](#) [FGL Facebook](#)

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On 7/16/2025 8:29 AM, Erin Morrissey wrote:

Actually – lets also do the new testing regime at 5-mile as well. Thanks

From: Erin Morrissey
Sent: Wednesday, July 16, 2025 8:28 AM
To: 'Heidi Ochoa' <heidio@fglinc.com>; zanep@fglinc.com
Subject: RE: New test?

Great news!

We would like to do this test at the 3 locations previously tested – Hooker Oak Park, the Upper Food Bridge and the Nature Center.

We no longer require the total coliform or the fecal tests– just the E Coli and the HO157. If you find a lab for the STEC we can add that. We also want to step up to daily testing please. Let me know if you have any questions or concerns.

Thank you!

Erin

From: Heidi Ochoa <heidio@fglinc.com>
Sent: Wednesday, July 16, 2025 8:23 AM
To: Erin Morrissey <emorrissey@chicorec.gov>; zanep@fglinc.com
Subject: Re: New test?

Hello,

We can analyze E.Coli HO157. I am awaiting a response from another lab for the STEC.

Thank you!

--



Heidi Ochoa
Chico Laboratory Manger
(530) 343-5818
[FGL Website](#) [FGL Facebook](#)

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On 7/15/2025 3:32 PM, Erin Morrissey wrote:

Hi There

Are you able to test for either of these?

1. STEC (Shiga-Toxin Producing E.Coli).

2. **E.Coli HO157**

Thank you!
Erin



Erin Morrissey *(she/hear)*

Recreation Director

530-815-4539

[Chico Area Recreation & Park District](#)

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Beaudoin, Jarett

From: Beaudoin, Jarett
Sent: Wednesday, July 16, 2025 8:20 AM
To: James Mu
Subject: Re: STEC Cases Connected with Butte

Thank you James!

I believe we use Cooling "Centers".

I certainly don't mind bringing anyone into the group! The more the merrier.

Now MY last question- I notice that Whiskeytown Lake has bacterial issues and seems to have a good system. It seems to be run by the park system. Do you have a contact for the lake? Maybe someone who could point me in the right direction to talk to someone who watches these levels?

Thank you!

-Jarett

From: James Mu <jmu@shastacounty.gov>
Sent: Tuesday, July 15, 2025 9:50 AM
To: Beaudoin, Jarett <JBeaudoin@buttecounty.net>
Subject: RE: STEC Cases Connected with Butte

ATTENTION: This message originated from outside **Butte County**. Please exercise judgment before opening attachments, clicking on links, or replying.

Hi Jarett.

After reviewing our STEC cases more closely in Shasta County, none appear to be associated with exposure at Sycamore Pool. I appreciate the continued communication and collaboration across our counties.

I'd also like to ask about the terminology your county uses for extreme heat messaging—specifically regarding “air-conditioned spaces” and “cooling centers.” Glenn and Tehama counties refer to air-conditioned spaces as “Cooling Zones” and use “Cooling Centers” when formally activated. What terminology does your county use?

Lastly, I wanted to ask if it would be alright to invite the two new Public Health Officers in Siskiyou and Trinity Counties to join our mini-group. I believe they would benefit from the connection and shared updates, and it could strengthen our regional collaboration.

James C. Mu, MD

James C. Mu, MD
Health Officer | Public Health Branch

2650 Breslauer Way
Redding, CA 96001
Phone: (530)245-6870
Fax: (530)225-3743
Inter-Office Mail Code: HD401

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From: Beaudoin, Jarrett <JBeaudoin@buttecounty.net>
Sent: Monday, July 14, 2025 11:45 AM
To: James Mu <jmu@shastacounty.gov>
Subject: Re: STEC Cases Connected with Butte

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Thank you! And if they didn't ask about water sources, we certainly don't mind reaching out or helping in any way.

-Jarrett

From: James Mu <jmu@shastacounty.gov>
Sent: Monday, July 14, 2025 11:43 AM
To: Beaudoin, Jarrett <JBeaudoin@buttecounty.net>
Subject: RE: STEC Cases Connected with Butte

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Thank you, Jarrett.

I believe our Communicable Disease unit has already investigated these cases, though I'm not certain whether they inquired specifically about pool exposure. I'll forward this to the team and ask them to follow up on that detail.

James C. Mu, MD

James C. Mu, MD
Health Officer | Public Health Branch

2650 Breslauer Way
Redding, CA 96001
Phone: (530)245-6870
Fax: (530)225-3743
Inter-Office Mail Code: HD401

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From: Beaudoin, Jarett <JBeaudoin@buttecounty.net>

Sent: Monday, July 14, 2025 10:19 AM

To: Satterfield, Mark <msatterfield@countyofplumas.com>; James Mu <jmu@shastacounty.gov>; Timothy Peters <timothy.peters@tchsa.net>

Subject: STEC Cases Connected with Butte

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Hello fellow Northern Health Officers!

As you may have heard, we are having a possible STEC outbreak in Butte County with some cases having connections to the local creek in town (Big Chico Creek, aka "1-Mile" aka "Sycamore Pool"). I got CDPH to pull all the STEC cases in your counties (attached) and just wanted to double check that none of the cases swam in Chico prior to their infectious period.

Would it be possible for you all to check with your investigating nurses to see if they mentioned any contact? Alternatively, if you all are swamped- I don't mind having my PHN's reach out the the patients to ask.

Any help would be appreciated!

Jarett

Jarett Beaudoin, M.D., M.P.H.

Public Health Officer

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Beaudoin, Jarett

From: Beaudoin, Jarett
Sent: Wednesday, July 16, 2025 8:16 AM
To: John Griffith
Cc: Wais, Ashley
Subject: Re: Butte County STEC/HUS Investigation

Perfect. Just sent you a teams link. See you Monday!

-Jarett

From: John Griffith <johng@sccwrp.org>
Sent: Wednesday, July 16, 2025 7:50 AM
To: Beaudoin, Jarett <JBeaudoin@buttecounty.net>
Subject: Re: Butte County STEC/HUS Investigation

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That would work. How about 1:00?

John

On Jul 15, 2025, at 9:58 PM, Beaudoin, Jarett <JBeaudoin@buttecounty.net> wrote:

No worries. What about next week then? My Tuesday (22nd) is open from 11-3?

-Jarett

From: John Griffith <johng@sccwrp.org>
Sent: Tuesday, July 15, 2025 11:47 AM
To: Beaudoin, Jarett <JBeaudoin@buttecounty.net>
Subject: Re: Butte County STEC/HUS Investigation

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4:00 would be cutting it close. I want to make sure I have time to answer your questions, but have to be on the road by 4:15 to get home on time to bottle feed some abandoned puppies we are fostering. I've got lots of availability on Friday if that works better.

John

On Jul 14, 2025, at 3:40 PM, Beaudoin, Jarett <JBeaudoin@buttecounty.net> wrote:

Wonderful. Is 4:00 too late? I'm in an all day training that day but it ends at 4:00!

-Jarett

From: John Griffith <johng@sccwrp.org>
Sent: Monday, July 14, 2025 1:24 PM
To: Beaudoin, Jarett <JBeaudoin@buttecounty.net>
Cc: Wais, Ashley <AWais@buttecounty.net>
Subject: Re: Butte County STEC/HUS Investigation

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Hi Jarett,

I'd be happy to chat with you. My next availability is Thursday afternoon.
Does that timing work for you and Ashley?

John

On Jul 14, 2025, at 10:13 AM, Beaudoin, Jarett
<JBeaudoin@buttecounty.net> wrote:

Dr. Griffith,

I am the Health Officer for Butte County, California! I got your information from Nevada County's Environmental Health Group who spoke very highly about your help during their the Lake Wildwood STEC outbreak in 2018.

My Epidemiologist (Ashley, cc'd here) and I would love to chat if you have a moment sometime in the next 1-2 weeks. We are having a possible STEC outbreak in one of our bodies of water (Big Chico Creek) and had some technical questions that go a bit beyond the typical EPA guidance (which I can send in advance if you'd like).

Feel free to also point us to someone else if you know of someone and are too bogged down at the moment. Any help would be welcomed!

Best,
Jarett

Jarett Beaudoin, M.D., M.P.H.
Public Health Officer
[BUTTE COUNTY PUBLIC HEALTH](#)
[202 Mira Loma Drive | Oroville, CA 95965](#)

T: 530.552.4000

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Beaudoin, Jarett

Subject: RE: Butte County STEC/HUS Investigation
Location: Microsoft Teams Meeting

Start: Mon 7/21/2025 1:00 PM
End: Mon 7/21/2025 2:00 PM

Recurrence: (none)

Meeting Status: Meeting organizer

Organizer: Beaudoin, Jarett
Required Attendees: John Griffith; Wais, Ashley

From: John Griffith <johng@sccwrp.org>
Sent: Wednesday, July 16, 2025 2:50:06 PM
To: Beaudoin, Jarett <JBeaudoin@buttecounty.net>
Subject: Re: Butte County STEC/HUS Investigation

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That would work. How about 1:00?

John

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-Jarett

From: John Griffith <johng@sccwrp.org>
Sent: Tuesday, July 15, 2025 11:47 AM
To: Beaudoin, Jarett <JBeaudoin@buttecounty.net>
Subject: Re: Butte County STEC/HUS Investigation

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4:00 would be cutting it close. I want to make sure I have time to answer your questions, but have to be on the road by 4:15 to get home on time to bottle feed some abandoned puppies we are fostering. I've got lots of availability on Friday if that works better.

John

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Wonderful. Is 4:00 too late? I'm in an all day training that day but it ends at 4:00!

-Jarett

From: John Griffith <johng@sccwrp.org>
Sent: Monday, July 14, 2025 1:24 PM
To: Beaudoin, Jarett <JBeaudoin@buttecounty.net>
Cc: Wais, Ashley <AWais@buttecounty.net>
Subject: Re: Butte County STEC/HUS Investigation

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Hi Jarett,

I'd be happy to chat with you. My next availability is Thursday afternoon.
Does that timing work for you and Ashley?

John

On Jul 14, 2025, at 10:13 AM, Beaudoin, Jarett
<JBeaudoin@buttecounty.net> wrote:

Dr. Griffith,

I am the Health Officer for Butte County, California! I got your information from Nevada County's Environmental Health Group who spoke very highly about your help during their the Lake Wildwood STEC outbreak in 2018.

My Epidemiologist (Ashley, cc'd here) and I would love to chat if you have a moment sometime in the next 1-2 weeks. We are having a possible STEC outbreak in one of our bodies of water (Big Chico Creek) and had some technical questions that go a bit beyond the typical EPA guidance (which I can send in advance if you'd like).

Feel free to also point us to someone else if you know of someone and are too bogged down at the moment. Any help would be welcomed!

Best,

Jarett

Jarett Beaudoin, M.D., M.P.H.

Public Health Officer

[BUTTE COUNTY PUBLIC HEALTH](#)

[202 Mira Loma Drive | Oroville, CA 95965](#)

T: 530.552.4000

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Beaudoin, Jarett

From: Beaudoin, Jarett
Sent: Tuesday, July 15, 2025 9:57 PM
To: Lamba, Katherine@CDPH; Murphy, Shannon@OEHHA; Stainken, Cameron@CDPH; Higa, Jeffrey@CDPH; Weinstein, Eva@CDPH
Cc: McSpadden, Elaine; Wais, Ashley; Smith, Wesley@OEHHA; Kraushaar, Vit@CDPH
Subject: Re: Butte County Health Inquiry- Waterborne Illness-OEHHA Referral

Thank you Kat!

These WGS results are extremely helpful for our active investigation and connecting the cases will impact a lot of resource allocation from our county.

I know we have a few more coming your way- so any expedition for those would also be greatly appreciated. Shoot- if y'all get them fast tracked I may send you all a cake.

-Jarett

Jarett Beaudoin, M.D., M.P.H.

Public Health Officer

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From: Lamba, Katherine@CDPH <Katherine.Lamba@cdph.ca.gov>

Sent: Tuesday, July 15, 2025 12:06 PM

To: Beaudoin, Jarett <jbeaudoin@buttecounty.net>; Murphy, Shannon@OEHHA <Shannon.Murphy@oehha.ca.gov>; Stainken, Cameron@CDPH <Cameron.Stainken@cdph.ca.gov>; Higa, Jeffrey@CDPH <Jeffrey.Higa@cdph.ca.gov>; Weinstein, Eva@CDPH <Eva.Weinstein@cdph.ca.gov>

Cc: McSpadden, Elaine <emcspadden@buttecounty.net>; Wais, Ashley <AWais@buttecounty.net>; Smith, Wesley@OEHHA <Wesley.Smith@oehha.ca.gov>; Kraushaar, Vit@CDPH <Vit.Kraushaar@cdph.ca.gov>

Subject: RE: Butte County Health Inquiry- Waterborne Illness-OEHHA Referral

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Hi all,

[REDACTED]

Wesley@OEHHA <Wesley.Smith@oehha.ca.gov>; Kraushaar, Vit@CDPH <Vit.Kraushaar@cdph.ca.gov>

Subject: RE: Butte County Health Inquiry- Waterborne Illness-OEHHA Referral

ATTENTION: This message originated from outside **Butte County**. Please exercise judgment before opening attachments, clicking on links, or replying.

Hello Butte County colleagues,

I hope you all had a restful long weekend. Just a quick update that MDL has received the isolates for the 2 STEC cases:

• [REDACTED]

Let us know if you have any updates to share or if anything additional is needed at this time.

Kat

Katherine Lamba, MPH (she/her)
California Department of Public Health
Phone: 510-620-3429 | Email: Katherine.Lamba@cdph.ca.gov

Confidential - Low

From: Murphy, Shannon@OEHHA <Shannon.Murphy@oehha.ca.gov>

Sent: Friday, June 27, 2025 5:38 PM

To: Lamba, Katherine@CDPH <Katherine.Lamba@cdph.ca.gov>; Stainken, Cameron@CDPH <Cameron.Stainken@cdph.ca.gov>; Beaudoin, Jarrett <jbeaudoin@buttecounty.net>; Higa, Jeffrey@CDPH <Jeffrey.Higa@cdph.ca.gov>; Weinstein, Eva@CDPH <Eva.Weinstein@cdph.ca.gov>

Cc: McSpadden, Elaine <emcspadden@buttecounty.net>; Wais, Ashley <AWais@buttecounty.net>; Smith, Wesley@OEHHA <Wesley.Smith@oehha.ca.gov>; Kraushaar, Vit@CDPH <Vit.Kraushaar@cdph.ca.gov>

Subject: RE: Butte County Health Inquiry- Waterborne Illness-OEHHA Referral

You don't often get email from shannon.murphy@oehha.ca.gov. [Learn why this is important](#)

Many thanks for these resources- great case references. Have a great weekend.

Shannon R. Murphy, Ph.D.

Staff Toxicologist

Fish, Incident Response, Seafood Safety, and Harmful Algal Bloom (F.I.S.H.) Section

shannon.murphy@oehha.ca.gov

916.322.8365

Office of Environmental Health Hazard Assessment
California Environmental Protection Agency
1001 I St., MS-12B, PO Box 4010, Sacramento, CA 95812

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From: Lamba, Katherine@CDPH <Katherine.Lamba@cdph.ca.gov>

Sent: Friday, June 27, 2025 5:06 PM

To: Stainken, Cameron@CDPH <Cameron.Stainken@cdph.ca.gov>; Beaudoin, Jarrett <jbeaudoin@buttecounty.net>;

Murphy, Shannon@OEHHA <Shannon.Murphy@oehha.ca.gov>; Higa, Jeffrey@CDPH <Jeffrey.Higa@cdph.ca.gov>;
Weinstein, Eva@CDPH <Eva.Weinstein@cdph.ca.gov>
Cc: McSpadden, Elaine <emcspadden@buttecounty.net>; Wais, Ashley <AWais@buttecounty.net>; Smith,
Wesley@OEHHA <Wesley.Smith@oehha.ca.gov>; Kraushaar, Vit@CDPH <Vit.Kraushaar@cdph.ca.gov>
Subject: RE: Butte County Health Inquiry- Waterborne Illness-OEHHA Referral

EXTERNAL:

Hi all,

Sharing a few of the communications from the Nevada County/Lake Wildwood investigation if needed. If you all want to check back in next week (Tuesday?), please send along some time slots that would work for your team.

Thank you and have a good weekend,

Kat

Katherine Lamba, MPH (she/her)
California Department of Public Health
Phone: 510-620-3429 | Email: Katherine.Lamba@cdph.ca.gov

Confidential - Low

From: Stainken, Cameron@CDPH <Cameron.Stainken@cdph.ca.gov>
Sent: Friday, June 27, 2025 3:32 PM
To: Beaudoin, Jarett <jbeaudoin@buttecounty.net>; Murphy, Shannon@OEHHA <Shannon.Murphy@oehha.ca.gov>;
Higa, Jeffrey@CDPH <Jeffrey.Higa@cdph.ca.gov>; Weinstein, Eva@CDPH <Eva.Weinstein@cdph.ca.gov>; Lamba,
Katherine@CDPH <Katherine.Lamba@cdph.ca.gov>
Cc: McSpadden, Elaine <emcspadden@buttecounty.net>; Wais, Ashley <AWais@buttecounty.net>; Smith,
Wesley@OEHHA <Wesley.Smith@oehha.ca.gov>; Kraushaar, Vit@CDPH <Vit.Kraushaar@cdph.ca.gov>
Subject: RE: Butte County Health Inquiry- Waterborne Illness-OEHHA Referral

Great! Sending an invite now, feel free to forward as needed.

Confidential - Low

From: Beaudoin, Jarett <jbeaudoin@buttecounty.net>
Sent: Friday, June 27, 2025 3:31 PM
To: Murphy, Shannon@OEHHA <Shannon.Murphy@oehha.ca.gov>; Stainken, Cameron@CDPH
<Cameron.Stainken@cdph.ca.gov>; Higa, Jeffrey@CDPH <Jeffrey.Higa@cdph.ca.gov>; Weinstein, Eva@CDPH
<Eva.Weinstein@cdph.ca.gov>; Lamba, Katherine@CDPH <Katherine.Lamba@cdph.ca.gov>
Cc: McSpadden, Elaine <emcspadden@buttecounty.net>; Wais, Ashley <AWais@buttecounty.net>; Smith,
Wesley@OEHHA <Wesley.Smith@oehha.ca.gov>; Kraushaar, Vit@CDPH <Vit.Kraushaar@cdph.ca.gov>
Subject: Re: Butte County Health Inquiry- Waterborne Illness-OEHHA Referral

I can jump on at 4:00!

-Jarett

Jarett Beaudoin
Public Health Officer
Butte County Public Health

From: Murphy, Shannon@OEHA <Shannon.Murphy@oehha.ca.gov>
Sent: Friday, June 27, 2025 3:24:22 PM
To: Stainken, Cameron@CDPH <Cameron.Stainken@cdph.ca.gov>; Higa, Jeffrey@CDPH <Jeffrey.Higa@cdph.ca.gov>;
Weinstein, Eva@CDPH <Eva.Weinstein@cdph.ca.gov>; Lamba, Katherine@CDPH <Katherine.Lamba@cdph.ca.gov>
Cc: Beaudoin, Jarett <jbeaudoin@buttecounty.net>; McSpadden, Elaine <emcspadden@buttecounty.net>; Wais, Ashley
<AWais@buttecounty.net>; Smith, Wesley@OEHA <Wesley.Smith@oehha.ca.gov>; Kraushaar, Vit@CDPH
<Vit.Kraushaar@cdph.ca.gov>
Subject: RE: Butte County Health Inquiry- Waterborne Illness-OEHA Referral

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Thanks so much!

Dr. Beaudoin- feel free to respond directly and schedule a call that works for you.

Cheers,

Shannon R. Murphy, Ph.D.
Staff Toxicologist
Fish, Ecotoxicology, and Water Section
shannon.murphy@oehha.ca.gov
916.322.8365

Office of Environmental Health Hazard Assessment
California Environmental Protection Agency
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From: Stainken, Cameron@CDPH <Cameron.Stainken@cdph.ca.gov>
Sent: Friday, June 27, 2025 3:15 PM
To: Murphy, Shannon@OEHA <Shannon.Murphy@oehha.ca.gov>; Higa, Jeffrey@CDPH <Jeffrey.Higa@cdph.ca.gov>;
Weinstein, Eva@CDPH <Eva.Weinstein@cdph.ca.gov>; Lamba, Katherine@CDPH <Katherine.Lamba@cdph.ca.gov>
Cc: Beaudoin, Jarett <jbeaudoin@buttecounty.net>; McSpadden, Elaine <emcspadden@buttecounty.net>; Wais, Ashley
<AWais@buttecounty.net>; Murphy, Shannon@OEHA <Shannon.Murphy@oehha.ca.gov>; Smith, Wesley@OEHA
<Wesley.Smith@oehha.ca.gov>; Kraushaar, Vit@CDPH <Vit.Kraushaar@cdph.ca.gov>
Subject: RE: Butte County Health Inquiry- Waterborne Illness-OEHA Referral

EXTERNAL:

Hi Shannon and Dr. Beaudoin,

Happy to help with this situation! Would a 3:30 or 4PM call work for everyone to discuss prior to the weekend?
We can also touch base again on Monday for any loose ends.

Thanks!
Cameron

Cameron Stainken MD, MSc, MPH
Public Health Medical Officer
Infectious Diseases Branch
California Department of Public Health
Cameron.stainken@cdph.ca.gov

Confidential - Low

From: Murphy, Shannon@OEHA <Shannon.Murphy@oehha.ca.gov>
Sent: Friday, June 27, 2025 2:36 PM
To: Stainken, Cameron@CDPH <Cameron.Stainken@cdph.ca.gov>; Higa, Jeffrey@CDPH <Jeffrey.Higa@cdph.ca.gov>; Weinstein, Eva@CDPH <Eva.Weinstein@cdph.ca.gov>
Cc: Beaudoin, Jarett <jbeaudoin@buttecounty.net>; McSpadden, Elaine <emcspadden@buttecounty.net>; Wais, Ashley <AWais@buttecounty.net>; Murphy, Shannon@OEHA <Shannon.Murphy@oehha.ca.gov>; Smith, Wesley@OEHA <Wesley.Smith@oehha.ca.gov>
Subject: Butte County Health Inquiry- Waterborne Illness-OEHA Referral
Importance: High

Good afternoon, Dr. Stainken and Team:

I am reaching out for your assistance with a somewhat urgent inquiry from our colleagues at Butte County Health. **Two reported E.coli infection related hemolytic uremic syndrome cases in children** are under investigation with a suspected waterborne connection. Given this, I suggested that Butte County speak with you and your team.

You may recall that I worked a potential HAB-related illness case in cooperation with Butte County last summer (during the Shigellosis outbreak) that turned out to be a mild E.coli-related illness, and they reached out for assistance with the current human illness concerns.

In anticipation of the upcoming independence Day holiday, your timely guidance would be greatly appreciated.

Waterborne Health Concern- Butte County

- Butte County Local Health Officer **Dr. Jarett Beaudoin** (cc'd on this correspondence) is seeking guidance on informing health-based decisions regarding management of a City of Chico-managed swimming area, known as [Sycamore Pool](#), on a natural stream system (Big Chico Creek) experiencing elevated and persistent E.coli levels.
 - Sycamore pool is a high-use recreational swimming area with a history of elevated E.coli levels that exceed surface water guidance thresholds.
- Butte County has **two reported E.coli infection related hemolytic uremic syndrome cases in children**. Sycamore Pool swimming area is the currently suspected exposure source.
- Butte County is in contact with the Central Valley Regional Water Quality Control Board (Region 5) regarding the surface water quality standard, supporting documentation and interpretation of the relevant thresholds.

Request of CDPH

- Dr. Beaudoin requests your input on any experience CDPH may have with implementing health-based actions to limit or manage potential exposure. More specifically, information any case examples that outline how other counties may have responded to similar circumstances, including guidance on swimming area closures, health advisory signage, and public communication efforts would be most appreciated.

Please accept this communication as a joint introduction between CDPH and Dr. Beaudoin of Butte County Health. If I can be of further assistance, please do not hesitate to reach out.

Thank you for your continued collegial support and collaboration with our shared public health efforts.

Best,

Shannon R. Murphy, Ph.D.

Staff Toxicologist

Fish, Ecotoxicology, and Water Section

shannon.murphy@oehha.ca.gov

916.322.8365

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California Environmental Protection Agency

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Beaudoin, Jarett

From: Beaudoin, Jarett
Sent: Wednesday, July 16, 2025 7:39 AM
To: Soderstrom, Monica
Subject: Re: Sycamore Follow-up

Definitely! I'm free till 8 or we can chat over lunch? I imagine I'll get out around 12 so could call you then?

Jarett Beaudoin
Public Health Officer
Butte County Public Health

From: Soderstrom, Monica <msoderstrom@buttecounty.net>
Sent: Wednesday, July 16, 2025 7:37:34 AM
To: Beaudoin, Jarett <JBeaudoin@buttecounty.net>
Subject: RE: Sycamore Follow-up

Good morning,
I see you have the TB intensive training on your calendar for the next 3 days. Let me know if there is a lunch break or other time that would work for a brief chat about the 5 Mile.

Thank you,

Monica Soderstrom, RN, PHN
Public Health Director
[BUTTE COUNTY PUBLIC HEALTH](#)
[202 Mira Loma Drive | Oroville, CA 95965](#)
T: 530.552.4000 | D: [530.552.3930](#) |

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From: Soderstrom, Monica <msoderstrom@buttecounty.net>
Sent: Tuesday, July 15, 2025 10:30 PM
To: Beaudoin, Jarett <JBeaudoin@buttecounty.net>
Subject: Re: Sycamore Follow-up

The conversation continues! It's a bloomin' onion! Thanks for additional info.

Monica

Sent from my Verizon, Samsung Galaxy smartphone
Get [Outlook for Android](#)

From: Beaudoin, Jarett <JBeaudoin@buttecounty.net>
Sent: Tuesday, July 15, 2025 9:43:05 PM
To: Soderstrom, Monica <msoderstrom@buttecounty.net>
Subject: Re: Sycamore Follow-up

Sounds good.

But just to make sure we are on the same page- We don't know for sure that STEC is living in sediment from Park Fire and that this is causing the outbreak... it could be ducks, goats, deer, babies, nutrients from golf courses, encampments, bad septic tanks, or any combination of those. Also the most recent [REDACTED] was actually a bit upstream from 5 mile, around the the golf course (discovered this today as I continue to pester the PHN's for more specific details).

But now if we were to do Sediment testing... that could make it a bit more convincing. Lake Wildwood did this (among other places) and Ashley and I are looking into the methodology and cost. The sediment is everywhere- from bear hole down to sycamore pool- and all of that could be ripe for STEC colonization.

Then the question becomes similar to Palermo- if we will do a PH declaration than we would need a related action. I don't suspect that PW wants to dredge the sediment upstream of 5 mile... so then it becomes a little odd that we are clearing the Lindo channel (I'm assuming that's what would interest County Admin) when actually the suspect case swimming is a mile up by the golf course.

But regardless of all that- I still think Lindo Channel as a *flood risk* is a PH emergency! So would be happy to declare for just that if it speeds up clearing of the channel before the rainy season. I think last time I was listening to Josh Pack, it seemed like his timeline was actually pretty good for clearing before the season without the order which is why I stopped thinking about it.

I swear- Big Chico Creek post-Park Fire should be someone's PhD Thesis...

-Jarett

From: Soderstrom, Monica <msoderstrom@buttecounty.net>
Sent: Tuesday, July 15, 2025 9:07 PM
To: Beaudoin, Jarett <JBeaudoin@buttecounty.net>
Subject: Re: Sycamore Follow-up

Thanks for this. I gave Andy a brief rundown today during my monthly meeting with him. I told him chico had issued a press release and you had a meeting scheduled at 1:00.

Tomorrow I will give him an update from your meeting. He was very interested in scheduling a meeting with Josh Pack of PW about the 5 mile and a potential PH declaration based on cases associated with that part of the creek. They are working with a consultant regarding debris removal of the channel post Park Fire.

Let's talk tomorrow!
Monica

Sent from my Verizon, Samsung Galaxy smartphone
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From: Beaudoin, Jarett <JBeaudoin@buttecounty.net>

Sent: Tuesday, July 15, 2025 3:31:50 PM

To: Soderstrom, Monica <msoderstrom@buttecounty.net>; McSpadden, Elaine <EMcspadden@buttecounty.net>; Cox, Erin <ECox@buttecounty.net>

Cc: Almaguer, Lisa <LAlmaguer@buttecounty.net>; Wais, Ashley <AWais@buttecounty.net>; Thao, May <MThao@buttecounty.net>

Subject: Fw: Sycamore Follow-up

Hello!

Update: City of Chico meeting went really well (I think). See the email below for details. We are meeting again next week after the cleaning of the pool and they are starting to test high-risk sites which I think is great.

-Jarett

From: Beaudoin, Jarett <JBeaudoin@buttecounty.net>

Sent: Tuesday, July 15, 2025 3:27 PM

To: skyler.lipski@Chicoca.gov <skyler.lipski@chicoca.gov>; Wais, Ashley <AWais@buttecounty.net>; shane.romain@Chicoca.gov <shane.romain@chicoca.gov>; erik.gustafson@Chicoca.gov <erik.gustafson@chicoca.gov>; Almaguer, Lisa <LAlmaguer@buttecounty.net>

Cc: Lindsay Amundson <lindsay.amundson@chicoca.gov>; emorrissey@chicorec.gov <emorrissey@chicorec.gov>

Subject: Sycamore Follow-up

Thank you all for the great meeting!

I think fixing the signage, changing the website, removing the lifeguards, cleaning the pool, then revisiting next week is a great plan.

As for the **non-pool sites** (Five Mile, Nature Center, Hooker Oak, places where lots of CARD kids play):

- I think daily testing for E.Coli as just an indicator/warning species would be great
- I think we should use the same EPA/Waterboard guidance when looking at those levels (see attached)
- As for testing the more harmful variant, our bug has two qualities that could be tested for: the toxin or the species.
 - **STEC** (Shiga-Toxin Producing E.Coli) is when the type of E.coli produces a specific toxin.
 - **E.Coli HO157** is a type of E.Coli that frequently becomes harmful.
- **I would ask the lab if they can do either of these tests on water.** I believe it is possible with either a culture or a PCR from water, but not sure if they can do it. I'm also not sure if there is additional guidance on number of samples or ways to sample for this particular E.Coli, but we will keep reading and chatting with people on our side. Let me know if they say yes!
- Ashley and I will keep talking with people to get more details. If anyone is curious, my residual questions for the various experts/other localities are below.

Please feel free to reach out if you have any thoughts!

-Jarett

Pending Questions I am planning to discuss with experts/other localities

- For a possible STEC outbreak in a stream/river, should we do sediment samples (or other samples) upstream? If so how? Where?
- Can we track the origin of the STEC or E.Coli to an animal or human? If so how?
- If levels continue to be in the 100-200 range at Sycamore pool, are there any interventions that can be used for a running creek to reduce the levels?
- Is the Color-Coded system for 100-200 = yellow; 200+ = red; based on any evidence?

(I'm sure I have more, but those are the big ones)

Jarett Beaudoin, M.D., M.P.H.

Public Health Officer

[BUTTE COUNTY PUBLIC HEALTH](#)

[202 Mira Loma Drive | Oroville, CA 95965](#)

T: 530.552.4000

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Beaudoin, Jarett

From: Beaudoin, Jarett
Sent: Tuesday, July 15, 2025 9:59 PM
To: John Griffith
Subject: Re: Butte County STEC/HUS Investigation

No worries. What about next week then? My Tuesday (22nd) is open from 11-3?

-Jarett

From: John Griffith <johng@sccwrp.org>
Sent: Tuesday, July 15, 2025 11:47 AM
To: Beaudoin, Jarett <JBeaudoin@buttecounty.net>
Subject: Re: Butte County STEC/HUS Investigation

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4:00 would be cutting it close. I want to make sure I have time to answer your questions, but have to be on the road by 4:15 to get home on time to bottle feed some abandoned puppies we are fostering. I've got lots of availability on Friday if that works better.

John

On Jul 14, 2025, at 3:40 PM, Beaudoin, Jarett <JBeaudoin@buttecounty.net> wrote:

Wonderful. Is 4:00 too late? I'm in an all day training that day but it ends at 4:00!

-Jarett

From: John Griffith <johng@sccwrp.org>
Sent: Monday, July 14, 2025 1:24 PM
To: Beaudoin, Jarett <JBeaudoin@buttecounty.net>
Cc: Wais, Ashley <AWais@buttecounty.net>
Subject: Re: Butte County STEC/HUS Investigation

ATTENTION: This message originated from outside **Butte County**. Please exercise judgment before opening attachments, clicking on links, or replying.

Hi Jarett,

I'd be happy to chat with you. My next availability is Thursday afternoon. Does that timing work for you and Ashley?

John

On Jul 14, 2025, at 10:13 AM, Beaudoin, Jarett
<JBeaudoin@buttecounty.net> wrote:

Dr. Griffith,

I am the Health Officer for Butte County, California! I got your information from Nevada County's Environmental Health Group who spoke very highly about your help during their the Lake Wildwood STEC outbreak in 2018.

My Epidemiologist (Ashley, cc'd here) and I would love to chat if you have a moment sometime in the next 1-2 weeks. We are having a possible STEC outbreak in one of our bodies of water (Big Chico Creek) and had some technical questions that go a bit beyond the typical EPA guidance (which I can send in advance if you'd like).

Feel free to also point us to someone else if you know of someone and are too bogged down at the moment. Any help would be welcomed!

Best,
Jarett

Jarett Beaudoin, M.D., M.P.H.

Public Health Officer

[BUTTE COUNTY PUBLIC HEALTH](#)

[202 Mira Loma Drive | Oroville, CA 95965](#)

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Beaudoin, Jarett

From: Beaudoin, Jarett
Sent: Tuesday, July 15, 2025 9:43 PM
To: Soderstrom, Monica
Subject: Re: Sycamore Follow-up

Sounds good.

But just to make sure we are on the same page- We don't know for sure that STEC is living in sediment from Park Fire and that this is causing the outbreak... it could be ducks, goats, deer, babies, nutrients from golf courses, encampments, bad septic tanks, or any combination of those. Also the most recent [REDACTED] was actually a bit upstream from 5 mile, around the the golf course (discovered this today as I continue to pester the PHN's for more specific details).

But now if we were to do Sediment testing... that could make it a bit more convincing. Lake Wildwood did this (among other places) and Ashley and I are looking into the methodology and cost. The sediment is everywhere- from bear hole down to sycamore pool- and all of that could be ripe for STEC colonization.

Then the question becomes similar to Palermo- if we will do a PH declaration than we would need a related action. I don't suspect that PW wants to dredge the sediment upstream of 5 mile... so then it becomes a little odd that we are clearing the Lindo channel (I'm assuming that's what would interest County Admin) when actually the suspect case swimming is a mile up by the golf course.

But regardless of all that- I still think Lindo Channel as a *flood risk* is a PH emergency! So would be happy to declare for just that if it speeds up clearing of the channel before the rainy season. I think last time I was listening to Josh Pack, it seemed like his timeline was actually pretty good for clearing before the season without the order which is why I stopped thinking about it.

I swear- Big Chico Creek post-Park Fire should be someone's PhD Thesis...

-Jarett

From: Soderstrom, Monica <msoderstrom@buttecounty.net>
Sent: Tuesday, July 15, 2025 9:07 PM
To: Beaudoin, Jarett <JBeaudoin@buttecounty.net>
Subject: Re: Sycamore Follow-up

Thanks for this. I gave Andy a brief rundown today during my monthly meeting with him. I told him chico had issued a press release and you had a meeting scheduled at 1:00.

Tomorrow I will give him an update from your meeting. He was very interested in scheduling a meeting with Josh Pack of PW about the 5 mile and a potential PH declaration based on cases associated with that part of the creek. They are working with a consultant regarding debris removal of the channel post Park Fire.

Let's talk tomorrow!
Monica

Sent from my Verizon, Samsung Galaxy smartphone
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From: Beaudoin, Jarett <JBeaudoin@buttecounty.net>
Sent: Tuesday, July 15, 2025 3:31:50 PM
To: Soderstrom, Monica <msoderstrom@buttecounty.net>; McSpadden, Elaine <EMcspadden@buttecounty.net>; Cox, Erin <ECox@buttecounty.net>
Cc: Almaguer, Lisa <LAlmaguer@buttecounty.net>; Wais, Ashley <AWais@buttecounty.net>; Thao, May <MThao@buttecounty.net>
Subject: Fw: Sycamore Follow-up

Hello!

Update: City of Chico meeting went really well (I think). See the email below for details. We are meeting again next week after the cleaning of the pool and they are starting to test high-risk sites which I think is great.

-Jarett

From: Beaudoin, Jarett <JBeaudoin@buttecounty.net>
Sent: Tuesday, July 15, 2025 3:27 PM
To: skyler.lipski@Chicoca.gov <skyler.lipski@chicoca.gov>; Wais, Ashley <AWais@buttecounty.net>; shane.romain@Chicoca.gov <shane.romain@chicoca.gov>; erik.gustafson@Chicoca.gov <erik.gustafson@chicoca.gov>; Almaguer, Lisa <LAlmaguer@buttecounty.net>
Cc: Lindsay Amundson <lindsay.amundson@chicoca.gov>; emorrissey@chicorec.gov <emorrissey@chicorec.gov>
Subject: Sycamore Follow-up

Thank you all for the great meeting!

I think fixing the signage, changing the website, removing the lifeguards, cleaning the pool, then revisiting next week is a great plan.

As for the **non-pool sites** (Five Mile, Nature Center, Hooker Oak, places where lots of CARD kids play):

- I think daily testing for E.Coli as just an indicator/warning species would be great
- I think we should use the same EPA/Waterboard guidance when looking at those levels (see attached)
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 - **STEC** (Shiga-Toxin Producing E.Coli) is when the type of E.coli produces a specific toxin.
 - **E.Coli HO157** is a type of E.Coli that frequently becomes harmful.
- **I would ask the lab if they can do either of these tests on water.** I believe it is possible with either a culture or a PCR from water, but not sure if they can do it. I'm also not sure if there is additional guidance on number of samples or ways to sample for this particular E.Coli, but we will keep reading and chatting with people on our side. Let me know if they say yes!

- Ashley and I will keep talking with people to get more details. If anyone is curious, my residual questions for the various experts/other localities are below.

Please feel free to reach out if you have any thoughts!

-Jarett

Pending Questions I am planning to discuss with experts/other localities

- For a possible STEC outbreak in a stream/river, should we do sediment samples (or other samples) upstream? If so how? Where?
- Can we track the origin of the STEC or E.Coli to an animal or human? If so how?
- If levels continue to be in the 100-200 range at Sycamore pool, are there any interventions that can be used for a running creek to reduce the levels?
- Is the Color-Coded system for 100-200 = yellow; 200+ = red; based on any evidence?

(I'm sure I have more, but those are the big ones)

Jarett Beaudoin, M.D., M.P.H.

Public Health Officer

[BUTTE COUNTY PUBLIC HEALTH](#)

[202 Mira Loma Drive | Oroville, CA 95965](#)

T: 530.552.4000

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Beaudoin, Jarett

From: Beaudoin, Jarett
Sent: Tuesday, July 15, 2025 7:32 PM
To: Amy Condie
Cc: Timothy Peters
Subject: Re: STEC Cases Connected with Butte

Excellent. Thank you Amy!

-Jarett

From: Amy Condie <Amy.Condie@tchsa.net>
Sent: Tuesday, July 15, 2025 4:46 PM
To: Beaudoin, Jarett <JBeaudoin@buttecounty.net>
Cc: Timothy Peters <Timothy.Peters@tchsa.net>
Subject: RE: STEC Cases Connected with Butte

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[REDACTED] . Just wanted to update.



Amy Condie

Public Health Nurse II
Tehama County Health Services Agency
Public Health
1860 Walnut St. Red Bluff, CA. 96080
P: 530-527-6824 Cell: 530-840-1170 Fax: 530-527-0362

From: Beaudoin, Jarett <JBeaudoin@buttecounty.net>
Sent: Monday, July 14, 2025 4:15 PM
To: Amy Condie <Amy.Condie@tchsa.net>
Cc: Timothy Peters <Timothy.Peters@tchsa.net>
Subject: Re: STEC Cases Connected with Butte

Unfortunately yes... They all seem to have been swimming in the Sycamore pool/ "1 mile" around the end of June.

-Jarett

From: Amy Condie <Amy.Condie@tchsa.net>
Sent: Monday, July 14, 2025 4:09 PM
To: Beaudoin, Jarett <JBeaudoin@buttecounty.net>
Cc: Timothy Peters <Timothy.Peters@tchsa.net>
Subject: RE: STEC Cases Connected with Butte

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No problem.

Are you looking for O157?



Amy Condie

Public Health Nurse II
Tehama County Health Services Agency
Public Health
1860 Walnut St. Red Bluff, CA. 96080
P: 530-527-6824 Cell: 530-840-1170 Fax: 530-527-0362

From: Beaudoin, Jarett <JBeaudoin@buttecounty.net>
Sent: Monday, July 14, 2025 3:35 PM
To: Amy Condie <Amy.Condie@tchsa.net>
Cc: Timothy Peters <Timothy.Peters@tchsa.net>
Subject: Re: STEC Cases Connected with Butte

Amazing! Thank you so much. It's so nice to be able to check really quickly because CDPH was less than helpful.

-Jarett

From: Amy Condie <Amy.Condie@tchsa.net>
Sent: Monday, July 14, 2025 2:14 PM
To: Beaudoin, Jarett <JBeaudoin@buttecounty.net>
Cc: Timothy Peters <Timothy.Peters@tchsa.net>; jmu@co.shasta.ca.us <jmu@co.shasta.ca.us>; msatterfield@countyofplumas.com <msatterfield@countyofplumas.com>
Subject: RE: STEC Cases Connected with Butte

ATTENTION: This message originated from outside **Butte County**. Please exercise judgment before opening attachments, clicking on links, or replying.

Good afternoon!

I took a looksie at the Tehama cases. It looks like one is a duplicate (which I will merge). Of the ones able to be contacted, none had connection to the Sycamore Pool or any Butte County bodies of water. Please let me know if you need any additional information.



Amy Condie

Public Health Nurse II
Tehama County Health Services Agency
Public Health
1860 Walnut St. Red Bluff, CA. 96080
P: 530-527-6824 Cell: 530-840-1170 Fax: 530-527-0362

From: Timothy Peters <Timothy.Peters@tchsa.net>

Sent: Monday, July 14, 2025 10:33 AM

To: Amy Condie <Amy.Condie@tchsa.net>; Kelly Burton <Kelly.Burton@tchsa.net>; Michelle Schmidt <Michelle.Schmidt@tchsa.net>; Nedalyn Bennett <Nedalyn.Bennett@tchsa.net>; Dolly Hopper <Dolly.Hopper@tchsa.net>; Sharon Sinclair <sinclairs@tchsa.net>; Sharon Atkinson <Sharon.Atkinson@tchsa.net>

Subject: Fw: STEC Cases Connected with Butte

Team: Are we able to look back on our STEC cases in the attached list to see if there was a connection to Big Chico Creek/One Mile/Sycamore pool? I do not recall seeing the number of cases from Tehama in Dr. Beaudoin's list? Thanks, TP



Timothy D. Peters, M.D.

Public Health Officer

Tehama County Health Services Agency | Public Health

timothy.peters@tchsa.net

Phone: (530)527-8491 ext. 3613

Fax: (530)527-0362

From: Beaudoin, Jarett <JBeaudoin@buttecounty.net>

Sent: Monday, July 14, 2025 10:19 AM

To: Satterfield, Mark <msatterfield@countyofplumas.com>; Mu, James@Shasta County <jmu@co.shasta.ca.us>; Timothy Peters <Timothy.Peters@tchsa.net>

Subject: STEC Cases Connected with Butte

Hello fellow Northern Health Officers!

As you may have heard, we are having a possible STEC outbreak in Butte County with some cases having connections to the local creek in town (Big Chico Creek, aka "1-Mile" aka "Sycamore Pool"). I got CDPH to pull all the STEC cases in your counties (attached) and just wanted to double check that none of the cases swam in Chico prior to their infectious period.

Would it be possible for you all to check with your investigating nurses to see if they mentioned any contact? Alternatively, if you all are swamped- I don't mind having my PHN's reach out the the patients to ask.

Any help would be appreciated!

Jarett

Jarett Beaudoin, M.D., M.P.H.

Public Health Officer

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Beaudoin, Jarett

From: Beaudoin, Jarett
Sent: Tuesday, July 15, 2025 3:32 PM
To: Soderstrom, Monica; McSpadden, Elaine; Cox, Erin
Cc: Almaguer, Lisa; Wais, Ashley; Thao, May
Subject: Fw: Sycamore Follow-up

Hello!

Update: City of Chico meeting went really well (I think). See the email below for details. We are meeting again next week after the cleaning of the pool and they are starting to test high-risk sites which I think is great.

-Jarett

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Cc: Lindsay Amundson <lindsay.amundson@chicoca.gov>; emorrissey@chicorec.gov <emorrissey@chicorec.gov>
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I think fixing the signage, changing the website, removing the lifeguards, cleaning the pool, then revisiting next week is a great plan.

As for the **non-pool sites** (Five Mile, Nature Center, Hooker Oak, places where lots of CARD kids play):

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- Ashley and I will keep talking with people to get more details. If anyone is curious, my residual questions for the various experts/other localities are below.

Please feel free to reach out if you have any thoughts!

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(I'm sure I have more, but those are the big ones)

Jarett Beaudoin, M.D., M.P.H.

Public Health Officer

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From: Beaudoin, Jarett
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To: skyler.lipski@Chicoca.gov; Wais, Ashley; shane.romain@Chicoca.gov; erik.gustafson@Chicoca.gov; Almaguer, Lisa
Cc: Lindsay Amundson; emorrissey@chicorec.gov
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Beaudoin, Jarett

From: Beaudoin, Jarett
Sent: Tuesday, July 15, 2025 12:23 PM
To: Almaguer, Lisa; Soderstrom, Monica; Cox, Erin; Wais, Ashley
Cc: Blankenship, DeAnne
Subject: Re: Press Release Sycamore Pool Cleaning Bidwell Park

Wow!! Good good.

-Jarett

From: Almaguer, Lisa <LAlmaguer@buttecounty.net>
Sent: Tuesday, July 15, 2025 12:21 PM
To: Beaudoin, Jarett <JBeaudoin@buttecounty.net>; Soderstrom, Monica <msoderstrom@buttecounty.net>; Cox, Erin <ECox@buttecounty.net>; Wais, Ashley <AWais@buttecounty.net>
Cc: Blankenship, DeAnne <DBlankenship@buttecounty.net>
Subject: Fw: Press Release Sycamore Pool Cleaning Bidwell Park

FYI - City of Chico will be draining and cleaning Sycamore pool Wednesday through Friday of this week.

Lisa

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From: Shane Romain <shane.romain@Chicoca.gov>
Sent: Tuesday, July 15, 2025 11:26:29 AM
To: Press-Release <Press-Release@Chicoca.gov>
Subject: Press Release Sycamore Pool Cleaning Bidwell Park

ATTENTION: This message originated from outside **Butte County**. Please exercise judgment before opening attachments, clicking on links, or replying.

Good morning,

Attached for your information is a press release regarding the cleaning of Sycamore Pool in Bidwell Park.

Thank you,



Shane Romain

Park and Natural Resources Manager

Public Works, O&M

(530) 896-7831 Direct | (530) 896-7800 Main Office

[Website](#) | [Contact Us](#) | [PALS Volunteer Program](#)

Beaudoin, Jarett

From: Beaudoin, Jarett
Sent: Tuesday, July 15, 2025 10:35 AM
To: Silva, Lucero
Cc: Thao, May
Subject: Re: STEC SOS

Oh perfect.

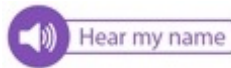
thank you!

Jarett Beaudoin
Public Health Officer
Butte County Public Health

From: Silva, Lucero <LSilva@buttecounty.net>
Sent: Tuesday, July 15, 2025 10:08:29 AM
To: Beaudoin, Jarett <JBeaudoin@buttecounty.net>
Cc: Thao, May <MThao@buttecounty.net>
Subject: RE: STEC SOS

I would be going on my own. I will have my badge handy. I usually check in with one of the other nurses before and after these types of visits. 😊

Lucero “Lucy” Silva (She/Her)



Public Health Nurse

[BUTTE COUNTY PUBLIC HEALTH](#)
[2080 E20th Street Suite 180 Chico CA 95928](#)

T: 530.552.3830 IDC General line: 530.538.5387 F: 530.879.3309

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From: Beaudoin, Jarett <JBeaudoin@buttecounty.net>
Sent: Monday, July 14, 2025 4:31 PM
To: Silva, Lucero <LSilva@buttecounty.net>
Cc: Thao, May <MThao@buttecounty.net>
Subject: Re: STEC SOS

I love that idea!

I'll be in Seattle, would you be going on your own? Is that ok? I don't know how drive bys work really

-Jarett

Jarett Beaudoin
Public Health Officer
Butte County Public Health

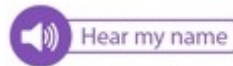
From: Silva, Lucero <LSilva@buttecounty.net>
Sent: Monday, July 14, 2025 4:29:33 PM
To: Beaudoin, Jarett <JBeaudoin@buttecounty.net>
Cc: Thao, May <MThao@buttecounty.net>
Subject: STEC SOS

Good Afternoon Dr. B,

May and I discussed the scenario of the person with STEC and possible SOS, after our meeting this afternoon. What are your thoughts about possibly doing a drive by to home address listed with a 2nd letter in hand and stool collection kit on Wednesday if no call back is received?

Thank you,

Lucero "Lucy" Silva (She/Her)



Public Health Nurse

[BUTTE COUNTY PUBLIC HEALTH](#)

[2080 E20th Street Suite 180 Chico CA 95928](#)

T: 530.552.3830 IDC General line: 530.538.5387 F: 530.879.3309

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Beaudoin, Jarett

From: Beaudoin, Jarett
Sent: Tuesday, July 15, 2025 8:19 AM
To: Almaguer, Lisa; McSpadden, Elaine
Subject: Re: Sycamore Pool Signs

No, I think we should hold off until we talk to the city today.

-Jarett

Jarett Beaudoin
Public Health Officer
Butte County Public Health

From: Almaguer, Lisa <LAlmaguer@buttecounty.net>
Sent: Tuesday, July 15, 2025 8:17:33 AM
To: Beaudoin, Jarett <JBeaudoin@buttecounty.net>; McSpadden, Elaine <EMcspadden@buttecounty.net>
Subject: RE: Sycamore Pool Signs

Awesome.

Adding Elaine here.

Just checking – did either of you get in touch with Fish & Wildlife yesterday? Wondering if we were able to get any clarity about when the no-clean order can be lifted, and if informing them of our situation can expedite that?

Lisa Almaguer
Public Information Officer
[BUTTE COUNTY PUBLIC HEALTH](#)
[2080 E 20th Street, Suite 180 | Chico, CA 95928](#)
T: 530.552.4000 | D: [530.552.4041](#)

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Cc: Mark Sorensen <Mark.Sorensen@chicoca.gov>; Shane Romain <shane.romain@Chicoca.gov>; Erik Gustafson <erik.gustafson@Chicoca.gov>; Wais, Ashley <AWais@buttecounty.net>; Lindsay Amundson <Lindsay.Amundson@chicoca.gov>; Almaguer, Lisa <LAlmaguer@buttecounty.net>
Subject: Re: Sycamore Pool Signs

Excellent. Our PIO Lisa will be coming as well.

-Jarett

Jarett Beaudoin
Public Health Officer
Butte County Public Health

From: Skyler Lipski <skyler.lipski@Chicoca.gov>
Sent: Tuesday, July 15, 2025 7:09:16 AM
To: Beaudoin, Jarett <JBeaudoin@buttecounty.net>; emorrissey@chicorec.gov <emorrissey@chicorec.gov>
Cc: Mark Sorensen <Mark.Sorensen@chicoca.gov>; Shane Romain <shane.romain@Chicoca.gov>; Erik Gustafson <erik.gustafson@Chicoca.gov>; Wais, Ashley <AWais@buttecounty.net>; Lindsay Amundson <Lindsay.Amundson@chicoca.gov>
Subject: Re: Sycamore Pool Signs

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Jarett - Yes, 1pm at 965 Fir St.

Erin - Please join if you can. When I'm back in the office I'll update the meeting invite.

Skyler Lipski
Deputy Director, Public Works O&M
City of Chico
(530) 894-4210 Office

Sent from mobile

On Jul 14, 2025, at 4:09 PM, Beaudoin, Jarett <JBeaudoin@buttecounty.net> wrote:

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To: Beaudoin, Jarett <JBeaudoin@buttecounty.net>; Mark Sorensen <Mark.Sorensen@chicoca.gov>; Shane Romain <shane.romain@Chicoca.gov>; Erik Gustafson <erik.gustafson@Chicoca.gov>

Cc: Wais, Ashley <AWais@buttecounty.net>

Subject: RE: Sycamore Pool Signs

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Skyler Lipski

Deputy Director, Public Works O&M
(530) 894-4210 Office

From: Beaudoin, Jarrett <JBeaudoin@buttecounty.net>

Sent: Wednesday, July 2, 2025 1:50 PM

To: Skyler Lipski <skyler.lipski@Chicoca.gov>; Mark Sorensen <Mark.Sorensen@chicoca.gov>; Shane Romain <shane.romain@Chicoca.gov>; Erik Gustafson <erik.gustafson@Chicoca.gov>

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Sent: Tuesday, July 1, 2025 11:37 AM

To: Erik Gustafson <erik.gustafson@Chicoca.gov>; Beaudoin, Jarett <jbeaudoin@buttecounty.net>; Skyler Lipski <skyler.lipski@Chicoca.gov>

Subject: RE: Sycamore Pool Signs

Hi,

Just got the results from yesterday's test. We are headed in the right direction.

CITY OF CHICO SYCAMORE POOL COLIFORM TESTS - 2025

Please be advised, every lake, stream or creek can have bacteria including E. coli, a natural bacteria that lives in the intestines of animals. There are hundreds of strains of E. coli and only a few of them cause disease or sickness. Water quality conditions can change quickly. Follow healthy water habits such as do not swallow water, wash hands, shower and/or towel dry after water contact. If you are sick or have open cuts or sores.

THRESHOLD: E coli >320 MPN/ml (Advisory Signs - no pool closure)

N/A

Not available - E. Coli results only

UPSTREAM OF POOL (EAST)				DOWNTOWN
Sample Date	Total Coliform (MPN/100 ml)	Fecal Coliform (MPN/100 ml)	E. Coli (MPN/100 ml)	Total Coliform (MPN/100 ml)
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2/11/25	1600	46	28	160
3/4/25	613	49	39	920
4/8/25	920	11	11	160
5/6/25	>2419	920	308	>2419
5/14/25	>2419	170	194	>2419
5/20/25	1986	240	248	173
5/27/25	>2419	130	144	>2419
6/3/25	>2419	220	219	>2419
6/10/25	>2419	540	248	>2419
6/17/25	>2419	350	194	198
6/24/25	>2419	N/A	153	>2419
6/30/25	>2419	N/A	104	>2419



Shane Romain

Park and Natural Resources Manager

Public Works, O&M

(530) 896-7831 Direct | (530) 896-7800 Main Office

[Website](#) | [Contact Us](#) | [PALS Volunteer Program](#)

From: Erik Gustafson <erik.gustafson@Chicoca.gov>

Sent: Monday, June 30, 2025 2:51 PM

To: Shane Romain <shane.romain@Chicoca.gov>; JBeaudoin@buttecounty.net; Skyler Lipski <skyler.lipski@Chicoca.gov>

Subject: FW: Sycamore Pool Signs

Hi Guy's-

Just jumped online here and catching up. Shane, do we have test results back yet from last Tuesday?

Jarett, I'm reluctant to put those swimming advisory signs up based on the large difference between the geometric mean that sets it at 100 CFUs per 100ml vs the 320 CFU option. Those are two very different thresholds and I don't understand why one or the other are being recommended. If you recommend the GM at 100 then we'll comply, but the other option of 320 puts us within range. Can you clarify the difference?

Know that the attached sign basically says no swimming during triple digits temperatures and the 4th of July weekend. We'll need to be ready for an onslaught of media attention....

Thanks,

Erik Gustafson

Director, Public Works O&M

(530) 894-4202 Office

From: Beaudoin, Jarett <JBeaudoin@buttecounty.net>

Sent: Monday, June 30, 2025 11:23 AM

To: Skyler Lipski <skyler.lipski@Chicoca.gov>

Cc: Erik Gustafson <erik.gustafson@Chicoca.gov>

Subject: Sycamore Pool Signs

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Because of this, **we need to put up signs advising the public of the levels and to recommend against swimming.** I've attached our Swimming Advisory that you can use instead of the one placed this weekend.

I'm meeting with the City Manager to update him this afternoon because we need to discuss next steps, so will have more info for you later. If Public Works would like to expedite things, you all can bump up testing to daily to see if the levels come down with less swimming and the encampment cleared upstream. That way if the levels were high only for that reason we can return to swimming sooner than if you continued weekly testing only.

Let me know if you have any questions!

-Jarett

Jarett Beaudoin, M.D., M.P.H.

Public Health Officer

[BUTTE COUNTY PUBLIC HEALTH](#)

[202 Mira Loma Drive | Oroville, CA 95965](#)

T: 530.552.4000

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Beaudoin, Jarett

From: Beaudoin, Jarett
Sent: Tuesday, July 15, 2025 7:39 AM
To: Skyler Lipski; emorrissey@chicorec.gov
Cc: Mark Sorensen; Shane Romain; Erik Gustafson; Wais, Ashley; Lindsay Amundson; Almaguer, Lisa
Subject: Re: Sycamore Pool Signs

Excellent. Our PIO Lisa will be coming as well.

-Jarett

Jarett Beaudoin
Public Health Officer
Butte County Public Health

From: Skyler Lipski <skyler.lipski@Chicoca.gov>
Sent: Tuesday, July 15, 2025 7:09:16 AM
To: Beaudoin, Jarett <JBeaudoin@buttecounty.net>; emorrissey@chicorec.gov <emorrissey@chicorec.gov>
Cc: Mark Sorensen <Mark.Sorensen@chicoca.gov>; Shane Romain <shane.romain@Chicoca.gov>; Erik Gustafson <erik.gustafson@Chicoca.gov>; Wais, Ashley <AWais@buttecounty.net>; Lindsay Amundson <Lindsay.Amundson@chicoca.gov>
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Jarett - Yes, 1pm at 965 Fir St.

Erin - Please join if you can. When I'm back in the office I'll update the meeting invite.

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Beaudoin, Jarett

From: Beaudoin, Jarett
Sent: Monday, July 14, 2025 4:31 PM
To: Silva, Lucero
Cc: Thao, May
Subject: Re: STEC SOS

I love that idea!

I'll be in Seattle, would you be going on your own? Is that ok? I don't know how drive bys work really

-Jarett

Jarett Beaudoin
Public Health Officer
Butte County Public Health

From: Silva, Lucero <LSilva@buttecounty.net>
Sent: Monday, July 14, 2025 4:29:33 PM
To: Beaudoin, Jarett <JBeaudoin@buttecounty.net>
Cc: Thao, May <MThao@buttecounty.net>
Subject: STEC SOS

Good Afternoon Dr. B,

May and I discussed the scenario of the person with STEC and possible SOS, after our meeting this afternoon. What are your thoughts about possibly doing a drive by to home address listed with a 2nd letter in hand and stool collection kit on Wednesday if no call back is received?

Thank you,

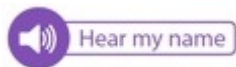
Lucero "Lucy" Silva (She/Her)

Public Health Nurse

[BUTTE COUNTY PUBLIC HEALTH](#)

[2080 E20th Street Suite 180 Chico CA 95928](#)

T: 530.552.3830 IDC General line: 530.538.5387 F: 530.879.3309



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Beaudoin, Jarett

From: Beaudoin, Jarett
Sent: Monday, July 14, 2025 4:15 PM
To: Amy Condie
Cc: Timothy Peters
Subject: Re: STEC Cases Connected with Butte

Unfortunately yes... They all seem to have been swimming in the Sycamore pool/ "1 mile" around the end of June.

-Jarett

From: Amy Condie <Amy.Condie@tchsa.net>
Sent: Monday, July 14, 2025 4:09 PM
To: Beaudoin, Jarett <JBeaudoin@buttecounty.net>
Cc: Timothy Peters <Timothy.Peters@tchsa.net>
Subject: RE: STEC Cases Connected with Butte

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No problem. [REDACTED]

[REDACTED]. Are you looking for O157?



Amy Condie

Public Health Nurse II
Tehama County Health Services Agency
Public Health
1860 Walnut St. Red Bluff, CA. 96080
P: 530-527-6824 Cell: 530-840-1170 Fax: 530-527-0362

From: Beaudoin, Jarett <JBeaudoin@buttecounty.net>
Sent: Monday, July 14, 2025 3:35 PM
To: Amy Condie <Amy.Condie@tchsa.net>
Cc: Timothy Peters <Timothy.Peters@tchsa.net>
Subject: Re: STEC Cases Connected with Butte

Amazing! Thank you so much. It's so nice to be able to check really quickly because CDPH was less than helpful.

-Jarett

From: Amy Condie <Amy.Condie@tchsa.net>
Sent: Monday, July 14, 2025 2:14 PM
To: Beaudoin, Jarett <JBeaudoin@buttecounty.net>
Cc: Timothy Peters <Timothy.Peters@tchsa.net>; jmu@co.shasta.ca.us <jmu@co.shasta.ca.us>;

msatterfield@countyofplumas.com <msatterfield@countyofplumas.com>

Subject: RE: STEC Cases Connected with Butte

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Good afternoon!

I took a looksie at the Tehama cases. It looks like one is a duplicate (which I will merge). Of the ones able to be contacted, none had connection to the Sycamore Pool or any Butte County bodies of water. Please let me know if you need any additional information.



Amy Condie

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1860 Walnut St. Red Bluff, CA. 96080
P: 530-527-6824 Cell: 530-840-1170 Fax: 530-527-0362

From: Timothy Peters <Timothy.Peters@tchsa.net>

Sent: Monday, July 14, 2025 10:33 AM

To: Amy Condie <Amy.Condie@tchsa.net>; Kelly Burton <Kelly.Burton@tchsa.net>; Michelle Schmidt <Michelle.Schmidt@tchsa.net>; Nedalyn Bennett <Nedalyn.Bennett@tchsa.net>; Dolly Hopper <Dolly.Hopper@tchsa.net>; Sharon Sinclair <sinclairs@tchsa.net>; Sharon Atkinson <Sharon.Atkinson@tchsa.net>

Subject: Fw: STEC Cases Connected with Butte

Team: Are we able to look back on our STEC cases in the attached list to see if there was a connection to Big Chico Creek/One Mile/Sycamore pool? I do not recall seeing the number of cases from Tehama in Dr. Beaudoin's list? Thanks, TP



Timothy D. Peters, M.D.

Public Health Officer
Tehama County Health Services Agency | Public Health
timothy.peters@tchsa.net
Phone: (530)527-8491 ext. 3613
Fax: (530)527-0362

From: Beaudoin, Jarett <JBeaudoin@buttecounty.net>

Sent: Monday, July 14, 2025 10:19 AM

To: Satterfield, Mark <msatterfield@countyofplumas.com>; Mu, James@Shasta County <jmu@co.shasta.ca.us>; Timothy Peters <Timothy.Peters@tchsa.net>

Subject: STEC Cases Connected with Butte

Hello fellow Northern Health Officers!

As you may have heard, we are having a possible STEC outbreak in Butte County with some cases having connections to the local creek in town (Big Chico Creek, aka "1-Mile" aka "Sycamore Pool"). I got CDPH to pull all the STEC cases in your counties (attached) and just wanted to double check that none of the cases swam in Chico prior to their infectious period.

Would it be possible for you all to check with your investigating nurses to see if they mentioned any contact? Alternatively, if you all are swamped- I don't mind having my PHN's reach out the the patients to ask.

Any help would be appreciated!

Jarett

Jarett Beaudoin, M.D., M.P.H.

Public Health Officer

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[202 Mira Loma Drive | Oroville, CA 95965](#)

T: 530.552.4000

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Beaudoin, Jarett

From: Beaudoin, Jarett
Sent: Monday, July 14, 2025 4:10 PM
To: Skyler Lipski; Mark Sorensen; Shane Romain; Erik Gustafson
Cc: Wais, Ashley
Subject: Re: Sycamore Pool Signs

Hello!

Checking in to see if we are still on for tomorrow at 1:00? I was thinking we could invite a representative from CARD as well.

-Jarett

From: Skyler Lipski <skyler.lipski@Chicoca.gov>
Sent: Wednesday, July 2, 2025 1:58 PM
To: Beaudoin, Jarett <JBeaudoin@buttecounty.net>; Mark Sorensen <Mark.Sorensen@chicoca.gov>; Shane Romain <shane.romain@Chicoca.gov>; Erik Gustafson <erik.gustafson@Chicoca.gov>
Cc: Wais, Ashley <AWais@buttecounty.net>
Subject: RE: Sycamore Pool Signs

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Let's shoot for it. I'll send you and Ashley and invite.

Skyler Lipski

Deputy Director, Public Works O&M
(530) 894-4210 Office

From: Beaudoin, Jarett <JBeaudoin@buttecounty.net>
Sent: Wednesday, July 2, 2025 1:50 PM
To: Skyler Lipski <skyler.lipski@Chicoca.gov>; Mark Sorensen <Mark.Sorensen@chicoca.gov>; Shane Romain <shane.romain@Chicoca.gov>; Erik Gustafson <erik.gustafson@Chicoca.gov>
Cc: Wais, Ashley <AWais@buttecounty.net>
Subject: Re: Sycamore Pool Signs

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I'm annoyingly on vacation next week. Can we do 7/15 at 1:00? I'd love to meet in person.

-Jarett

From: Skyler Lipski <skyler.lipski@Chicoca.gov>
Sent: Wednesday, July 2, 2025 1:28 PM
To: Mark Sorensen <Mark.Sorensen@chicoca.gov>; Beaudoin, Jarett <JBeaudoin@buttecounty.net>; Shane Romain

<shane.romain@Chicoca.gov>; Erik Gustafson <erik.gustafson@Chicoca.gov>

Cc: Wais, Ashley <AWais@buttecounty.net>

Subject: RE: Sycamore Pool Signs

ATTENTION: This message originated from outside **Butte County**. Please exercise judgment before opening attachments, clicking on links, or replying.

Jarett – Looking ahead to schedule the sit-down... Erik is back Wednesday. Shane is out next week. Some options:

Meet with Erik & I:

7/9 3-4

7/10 1-2

Meet with Erik, Shane & I:

7/15 1-1:30

7/17 10:30-12

Skyler Lipski

Deputy Director, Public Works O&M

(530) 894-4210 Office

From: Mark Sorensen <Mark.Sorensen@chicoca.gov>

Sent: Tuesday, July 1, 2025 2:26 PM

To: Beaudoin, Jarett <JBeaudoin@buttecounty.net>; Skyler Lipski <skyler.lipski@Chicoca.gov>; Shane Romain <shane.romain@Chicoca.gov>; Erik Gustafson <erik.gustafson@Chicoca.gov>

Cc: Wais, Ashley <AWais@buttecounty.net>

Subject: RE: Sycamore Pool Signs

Yes... best to get it right.

We'll wait for the results from the sample taken today and re-evaluate the situation then.

If it is similarly below 100 CFU's per 100ml, I'd go with cancelling the advisory.

What if it's 110? We'll have to figure that out.

From: Beaudoin, Jarett <JBeaudoin@buttecounty.net>

Sent: Tuesday, July 1, 2025 1:22 PM

To: Skyler Lipski <skyler.lipski@Chicoca.gov>; Shane Romain <shane.romain@Chicoca.gov>; Erik Gustafson <erik.gustafson@Chicoca.gov>

Cc: Wais, Ashley <AWais@buttecounty.net>; Mark Sorensen <Mark.Sorensen@chicoca.gov>

Subject: Re: Sycamore Pool Signs

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Ashley and I were just talking about this. We will definitely be updating the document, but I wanted to sit down with Erik and you all before we get everything on paper. Is that delay alright?

-Jarett

From: Skyler Lipski <skyler.lipski@Chicoca.gov>

Sent: Tuesday, July 1, 2025 12:34 PM

To: Beaudoin, Jarett <JBeaudoin@buttecounty.net>; Shane Romain <shane.romain@Chicoca.gov>; Erik Gustafson <erik.gustafson@Chicoca.gov>

Cc: Wais, Ashley <AWais@buttecounty.net>; Mark Sorensen <Mark.Sorensen@chicoca.gov>

Subject: RE: Sycamore Pool Signs

ATTENTION: This message originated from outside **Butte County**. Please exercise judgment before opening attachments, clicking on links, or replying.

Hi Jarett,

Thanks for the update. We concur with moving forward on lifting the advisory after two consecutive sample results under 100 CFU/100 mL... If that's indeed what we land on, would you mind updating the BCPH Sycamore Guidance Document to formally memorialize that procedure?

Shane will be reaching out soon to help coordinate BCPH's oversight of the sampling process, which continues to be conducted by Fruit Growers Laboratory (FGL).

Appreciate your partnership on this,

Skyler Lipski

Deputy Director, Public Works O&M
(530) 894-4210 Office

From: Beaudoin, Jarett <JBeaudoin@buttecounty.net>

Sent: Tuesday, July 1, 2025 12:00 PM

To: Shane Romain <shane.romain@Chicoca.gov>; Erik Gustafson <erik.gustafson@Chicoca.gov>; Skyler Lipski <skyler.lipski@Chicoca.gov>

Cc: Wais, Ashley <AWais@buttecounty.net>

Subject: Re: Sycamore Pool Signs

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Amazing! Cc'ing our Epidemiologist Ashley who has been working a lot with the water data. A couple thoughts:

- **Removing Advisory:** After talking with waterboard and some other locals, it seems like they remove advisories after two tests under 100 (instead of waiting for the average to come down). I think for now, this may not be a bad start. Annoyingly, the EPA guidance is very clear about when to put up signage, but lacks a lot of details on when to remove the signage. We are learning more each day though, so we may find a better answer soon.

- **Where to test:** You had mentioned earlier the issue with testing location. The guidance does say that we should have two samples in the most used spots, and they had recommended this in the last guidance. I think it would be better to start doing it this way. Would it be possible for Ashley and I to come out and see the sampling process? I'm sure you all are doing it great, but we are just trying to get the big picture on how this all works.

Otherwise, we can talk with Erik when he gets back and really iron this stuff out.

-Jarett

From: Shane Romain <shane.romain@Chicoca.gov>
Sent: Tuesday, July 1, 2025 11:37 AM
To: Erik Gustafson <erik.gustafson@Chicoca.gov>; Beaudoin, Jarett <jbeaudoin@buttecounty.net>; Skyler Lipski <skyler.lipski@Chicoca.gov>
Subject: RE: Sycamore Pool Signs

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Hi,

Just got the results from yesterday’s test. We are headed in the right direction.

CITY OF CHICO SYCAMORE POOL COLIFORM TESTS - 2025

Please be advised, every lake, stream or creek can have bacteria including E. coli, a natural bacteria that lives in the intestines of animals. There are hundreds of strains of E. coli and only a few of them cause disease or sickness. Water quality conditions can change quickly. Follow healthy water habits such as do not swallow water, wash hands, shower and/or towel dry after water contact. Do not swim if you are sick or have open cuts or sores.

THRESHOLD: E coli >320 MPN/ml (Advisory Signs - no pool closure)

N/A Not available - E. Coli results only

UPSTREAM OF POOL (EAST)				DOWNSTREAM (a)	
Sample Date	Total Coliform (MPN/100 ml)	Fecal Coliform (MPN/100 ml)	E. Coli (MPN/100 ml)	Total Coliform (MPN/100 ml)	C (M
1/7/25	980	79	64	1203	
2/11/25	1600	46	28	1600	
3/4/25	613	49	39	920	
4/8/25	920	11	11	1600	

5/6/25	>2419	920	308	>2419
5/14/25	>2419	170	194	>2419
5/20/25	1986	240	248	1733
5/27/25	>2419	130	144	>2419
6/3/25	>2419	220	219	>2419
6/10/25	>2419	540	248	>2419
6/17/25	>2419	350	194	1986
6/24/25	>2419	N/A	153	>2419
6/30/25	>2419	N/A	104	>2419



Shane Romain

Park and Natural Resources Manager

Public Works, O&M

(530) 896-7831 Direct | (530) 896-7800 Main Office

[Website](#) | [Contact Us](#) | [PALS Volunteer Program](#)

From: Erik Gustafson <erik.gustafson@Chicoca.gov>

Sent: Monday, June 30, 2025 2:51 PM

To: Shane Romain <shane.romain@Chicoca.gov>; JBeaudoin@buttecounty.net; Skyler Lipski <skyler.lipski@Chicoca.gov>

Subject: FW: Sycamore Pool Signs

Hi Guy's-

Just jumped online here and catching up. Shane, do we have test results back yet from last Tuesday?

Jarett, I'm reluctant to put those swimming advisory signs up based on the large difference between the geometric mean that sets it at 100 CFUs per 100ml vs the 320 CFU option. Those are two very different thresholds and I don't understand why one or the other are being recommended. If you recommend the GM at 100 then we'll comply, but the other option of 320 puts us within range. Can you clarify the difference?

Know that the attached sign basically says no swimming during triple digits temperatures and the 4th of July weekend. We'll need to be ready for an onslaught of media attention....

Thanks,

Erik Gustafson

Director, Public Works O&M

(530) 894-4202 Office

From: Beaudoin, Jarett <JBeaudoin@buttecounty.net>

Sent: Monday, June 30, 2025 11:23 AM

To: Skyler Lipski <skyler.lipski@Chicoca.gov>

Cc: Erik Gustafson <erik.gustafson@Chicoca.gov>

Subject: Sycamore Pool Signs

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Hey Skyler,

Thanks for standing in while Erik is away. He likely briefed you, but it has come to our attention that Sycamore Pool's E.Coli levels are above the threshold set by Public Health in 2017, which were based on the California Water Board recommendations that came from the EPA. I've attached all three if you are interested.

Because of this, **we need to put up signs advising the public of the levels and to recommend against swimming**. I've attached our Swimming Advisory that you can use instead of the one placed this weekend.

I'm meeting with the City Manager to update him this afternoon because we need to discuss next steps, so will have more info for you later. If Public Works would like to expedite things, you all can bump up testing to daily to see if the levels come down with less swimming and the encampment cleared upstream. That way if the levels were high only for that reason we can return to swimming sooner than if you continued weekly testing only.

Let me know if you have any questions!

-Jarett

Jarett Beaudoin, M.D., M.P.H.

Public Health Officer

[BUTTE COUNTY PUBLIC HEALTH](#)

[202 Mira Loma Drive | Oroville, CA 95965](#)

T: 530.552.4000

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Beaudoin, Jarett

From: Beaudoin, Jarett
Sent: Monday, July 14, 2025 3:41 PM
To: John Griffith
Cc: Wais, Ashley
Subject: Re: Butte County STEC/HUS Investigation

Wonderful. Is 4:00 too late? I'm in an all day training that day but it ends at 4:00!

-Jarett

From: John Griffith <johng@sccwrp.org>
Sent: Monday, July 14, 2025 1:24 PM
To: Beaudoin, Jarett <JBeaudoin@buttecounty.net>
Cc: Wais, Ashley <AWais@buttecounty.net>
Subject: Re: Butte County STEC/HUS Investigation

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Hi Jarett,

I'd be happy to chat with you. My next availability is Thursday afternoon. Does that timing work for you and Ashley?

John

On Jul 14, 2025, at 10:13 AM, Beaudoin, Jarett <JBeaudoin@buttecounty.net> wrote:

Dr. Griffith,

I am the Health Officer for Butte County, California! I got your information from Nevada County's Environmental Health Group who spoke very highly about your help during their the Lake Wildwood STEC outbreak in 2018.

My Epidemiologist (Ashley, cc'd here) and I would love to chat if you have a moment sometime in the next 1-2 weeks. We are having a possible STEC outbreak in one of our bodies of water (Big Chico Creek) and had some technical questions that go a bit beyond the typical EPA guidance (which I can send in advance if you'd like).

Feel free to also point us to someone else if you know of someone and are too bogged down at the moment. Any help would be welcomed!

Best,
Jarett

Jarett Beaudoin, M.D., M.P.H.

Public Health Officer

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Cc: Timothy Peters
Subject: Re: STEC Cases Connected with Butte

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-Jarett

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Sent: Monday, July 14, 2025 2:14 PM
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Cc: Timothy Peters <Timothy.Peters@tchsa.net>; jmu@co.shasta.ca.us <jmu@co.shasta.ca.us>; msatterfield@countyofplumas.com <msatterfield@countyofplumas.com>
Subject: RE: STEC Cases Connected with Butte

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Public Health Nurse II
Tehama County Health Services Agency
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Sent: Monday, July 14, 2025 10:33 AM
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Subject: Fw: STEC Cases Connected with Butte

Team: Are we able to look back on our STEC cases in the attached list to see if there was a connection to Big Chico Creek/One Mile/Sycamore pool? I do not recall seeing the number of cases from Tehama in Dr. Beaudoin's list? Thanks, TP



Timothy D. Peters, M.D.

Public Health Officer

Tehama County Health Services Agency | Public Health

timothy.peters@tchsa.net

Phone: (530)527-8491 ext. 3613

Fax: (530)527-0362

From: Beaudoin, Jarett <JBeaudoin@buttecounty.net>

Sent: Monday, July 14, 2025 10:19 AM

To: Satterfield, Mark <msatterfield@countyofplumas.com>; Mu, James@Shasta County <jmu@co.shasta.ca.us>;

Timothy Peters <Timothy.Peters@tchsa.net>

Subject: STEC Cases Connected with Butte

Hello fellow Northern Health Officers!

As you may have heard, we are having a possible STEC outbreak in Butte County with some cases having connections to the local creek in town (Big Chico Creek, aka "1-Mile" aka "Sycamore Pool"). I got CDPH to pull all the STEC cases in your counties (attached) and just wanted to double check that none of the cases swam in Chico prior to their infectious period.

Would it be possible for you all to check with your investigating nurses to see if they mentioned any contact? Alternatively, if you all are swamped- I don't mind having my PHN's reach out the the patients to ask.

Any help would be appreciated!

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Beaudoin, Jarett

From: Beaudoin, Jarett
Sent: Monday, July 14, 2025 11:45 AM
To: James Mu
Subject: Re: STEC Cases Connected with Butte

Thank you! And if they didn't ask about water sources, we certainly don't mind reaching out or helping in any way.

-Jarett

From: James Mu <jmu@shastacounty.gov>
Sent: Monday, July 14, 2025 11:43 AM
To: Beaudoin, Jarett <JBeaudoin@buttecounty.net>
Subject: RE: STEC Cases Connected with Butte

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Thank you, Jarett.

I believe our Communicable Disease unit has already investigated these cases, though I'm not certain whether they inquired specifically about pool exposure. I'll forward this to the team and ask them to follow up on that detail.

James C. Mu, MD

James C. Mu, MD
Health Officer | Public Health Branch

2650 Breslauer Way
Redding, CA 96001
Phone: (530)245-6870
Fax: (530)225-3743
Inter-Office Mail Code: HD401

www.shastahhsa.net



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From: Beaudoin, Jarett <JBeaudoin@buttecounty.net>
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To: Satterfield, Mark <msatterfield@countyofplumas.com>; James Mu <jmu@shastacounty.gov>; Timothy Peters

<timothy.peters@tchsa.net>

Subject: STEC Cases Connected with Butte

⚠ EXTERNAL SENDER: Do not follow links or open attachments unless you recognize the sender and know the content is safe.

Hello fellow Northern Health Officers!

As you may have heard, we are having a possible STEC outbreak in Butte County with some cases having connections to the local creek in town (Big Chico Creek, aka "1-Mile" aka "Sycamore Pool"). I got CDPH to pull all the STEC cases in your counties (attached) and just wanted to double check that none of the cases swam in Chico prior to their infectious period.

Would it be possible for you all to check with your investigating nurses to see if they mentioned any contact? Alternatively, if you all are swamped- I don't mind having my PHN's reach out the the patients to ask.

Any help would be appreciated!

Jarett

Jarett Beaudoin, M.D., M.P.H.

Public Health Officer

[BUTTE COUNTY PUBLIC HEALTH](#)

[202 Mira Loma Drive | Oroville, CA 95965](#)

T: 530.552.4000

Nationally Accredited since 09/13/17

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Beaudoin, Jarett

From: Beaudoin, Jarett
Sent: Monday, July 14, 2025 10:19 AM
To: Satterfield, Mark; Mu, James@Shasta County; Timothy Peters
Subject: STEC Cases Connected with Butte
Attachments: OtherLHD_STECcounts.xlsx

Hello fellow Northern Health Officers!

As you may have heard, we are having a possible STEC outbreak in Butte County with some cases having connections to the local creek in town (Big Chico Creek, aka "1-Mile" aka "Sycamore Pool"). I got CDPH to pull all the STEC cases in your counties (attached) and just wanted to double check that none of the cases swam in Chico prior to their infectious period.

Would it be possible for you all to check with your investigating nurses to see if they mentioned any contact? Alternatively, if you all are swamped- I don't mind having my PHN's reach out the the patients to ask.

Any help would be appreciated!

Jarett

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Beaudoin, Jarett

From: Beaudoin, Jarett
Sent: Monday, July 14, 2025 10:13 AM
To: johng@sccwrp.org
Cc: Wais, Ashley
Subject: Butte County STEC/HUS Investigation

Dr. Griffith,

I am the Health Officer for Butte County, California! I got your information from Nevada County's Environmental Health Group who spoke very highly about your help during their the Lake Wildwood STEC outbreak in 2018.

My Epidemiologist (Ashley, cc'd here) and I would love to chat if you have a moment sometime in the next 1-2 weeks. We are having a possible STEC outbreak in one of our bodies of water (Big Chico Creek) and had some technical questions that go a bit beyond the typical EPA guidance (which I can send in advance if you'd like).

Feel free to also point us to someone else if you know of someone and are too bogged down at the moment. Any help would be welcomed!

Best,
Jarett

Jarett Beaudoin, M.D., M.P.H.

Public Health Officer

[BUTTE COUNTY PUBLIC HEALTH](#)
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Beaudoin, Jarett

From: Beaudoin, Jarett
Sent: Friday, July 11, 2025 4:18 PM
To: Bonnifet, Kristy
Subject: Re: Revised Health Advisory

Looks good except a couple formatting issues. When

Jarett Beaudoin
Public Health Officer
Butte County Public Health

From: Bonnifet, Kristy <KBonnifet@buttecounty.net>
Sent: Friday, July 11, 2025 7:14:27 PM
To: Beaudoin, Jarett <JBeaudoin@buttecounty.net>
Subject: Revised Health Advisory

Please let me know if this is good to release asap 😊

Kristy Bonnifet
Program Manager
Emergency Preparedness and Infectious Disease Control (EPIC)
[BUTTE COUNTY PUBLIC HEALTH](#)
[2080 E. 20th Street | Chico, CA 95928](#)
T: [530.552.3999](#)

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Beaudoin, Jarett

From: Beaudoin, Jarett
Sent: Friday, July 11, 2025 2:50 PM
To: Cox, Erin; Soderstrom, Monica
Cc: Wais, Ashley; Thao, May
Subject: Re: STEC Health Advisory Review
Attachments: 250711_STEC Health Advisory to Providers.docx

Sorry for the delay. The first draft looked great. Here are my quick edits.

Big picture

- I framed the summary around the creek, rather than on yearly cases.
- Made clinical "asks" more clear. We don't really need to tell docs how to treat diarrhea. The big change is the testing and trying to talk urgent cares into avoiding antibiotics.
- Usually testing for O157 and Shiga toxin are separate tests that have to be ordered. This is annoying and providers should be reminded.

Adding May since I was talking to her about the lab section.

Ashley- can you verify the numbers?

-Jarett

From: Beaudoin, Jarett <JBeaudoin@buttecounty.net>
Sent: Friday, July 11, 2025 12:54 PM
To: Cox, Erin <ECox@buttecounty.net>; Soderstrom, Monica <msoderstrom@buttecounty.net>
Cc: Wais, Ashley <AWais@buttecounty.net>
Subject: Re: STEC Health Advisory Review

Sounds good. Monica, I have a lot of thoughts and edits and will do them now. Just FYI if you want to hold off on looking at it for the next hour.

-Jarett

From: Cox, Erin <ECox@buttecounty.net>
Sent: Friday, July 11, 2025 12:34 PM
To: Soderstrom, Monica <msoderstrom@buttecounty.net>; Beaudoin, Jarett <JBeaudoin@buttecounty.net>
Cc: Wais, Ashley <AWais@buttecounty.net>
Subject: STEC Health Advisory Review

Hello Monica and Dr. Beaudoin,

Please see the attached final draft of the STEC Health Advisory for review and approval. There was some discussion about whether to include any dates such as X amount of cases since X date instead of YTD. Please let us know your preference on that and we would need to add that in. May, Ashley, Kristy and I have all reviewed and provided input.

Thank you
Erin

Erin Cox, MHS (Ret. FP-C, Paramedic) (she/her/hers)
Division Director
Emergency Preparedness and Infectious Disease Control (EPIC)
Public Health Laboratory

[BUTTE COUNTY PUBLIC HEALTH](#)
[2080 E20th Street Suite 180 Chico CA 95928](#)
M: 530.693.5674 F: 530.538.2165
ecox@buttecounty.net
<https://www.buttecounty.net/610/Public-Health>

****REPORT A DISEASE OR OUTBREAK****

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Beaudoin, Jarett

From: Beaudoin, Jarett
Sent: Friday, July 11, 2025 12:55 PM
To: Cox, Erin; Soderstrom, Monica
Cc: Wais, Ashley
Subject: Re: STEC Health Advisory Review

Sounds good. Monica, I have a lot of thoughts and edits and will do them now. Just FYI if you want to hold off on looking at it for the next hour.

-Jarett

From: Cox, Erin <ECox@buttecounty.net>
Sent: Friday, July 11, 2025 12:34 PM
To: Soderstrom, Monica <msoderstrom@buttecounty.net>; Beaudoin, Jarett <JBeaudoin@buttecounty.net>
Cc: Wais, Ashley <AWais@buttecounty.net>
Subject: STEC Health Advisory Review

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Please see the attached final draft of the STEC Health Advisory for review and approval. There was some discussion about whether to include any dates such as X amount of cases since X date instead of YTD. Please let us know your preference on that and we would need to add that in. May, Ashley, Kristy and I have all reviewed and provided input.

Thank you
Erin

Erin Cox, MHS (Ret. FP-C, Paramedic) (she/her/hers)
Division Director
Emergency Preparedness and Infectious Disease Control (EPIC)
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Beaudoin, Jarett

From: Beaudoin, Jarett
Sent: Thursday, July 10, 2025 6:45 PM
To: Mark Sorensen
Subject: Re: Big Chico Creek testing results

Thanks Mark. This is really helpful! Will review with our timelines and let you know if we have any questions.

Jarett Beaudoin
Public Health Officer
Butte County Public Health

From: Mark Sorensen <Mark.Sorensen@chicoca.gov>
Sent: Thursday, July 10, 2025 7:32:59 PM
To: Beaudoin, Jarett <JBeaudoin@buttecounty.net>
Subject: FW: Big Chico Creek testing results

ATTENTION: This message originated from outside **Butte County**. Please exercise judgment before opening attachments, clicking on links, or replying.

FYI

From: Annabel Grimm <agrimm@chicorec.gov>
Sent: Wednesday, July 9, 2025 3:34 PM
To: Mark Sorensen <Mark.Sorensen@chicoca.gov>
Subject: FW: Big Chico Creek testing results

ATTENTION: This message originated from outside **City of Chico**. Please exercise judgment before opening attachments, clicking on links, or replying. Please report any suspicious emails with the Phishing Alert Button in Outlook or forward the email to phishing@chicoca.gov

Here you go! We're testing again on Friday. We'll keep you posted.

From: Erin Morrissey <emorrissey@chicorec.gov>
Sent: Wednesday, July 9, 2025 8:44 AM
To: Annabel Grimm <agrimm@chicorec.gov>
Subject: RE: Big Chico Creek testing results

Good morning

I am pretty confused now, after reading that email thread with Public Health.... Not sure what number/threshold we are working with... I thought it was E.Coli and the threshold was 320...

Here are the locations we tested

1. Hooker Oak Park near the bridge there is a swimming hole - 39°45'30.8"N 121°47'43.4"W
2. 5- mile recreation area upstream from the footbridge 39°45'46.3"N 121°47'30.1"W
3. Chico Creek Nature Center swimming hole 39°44'47.4"N 121°48'33.8"W

I asked them to retest the CCNC – we should have results today or tomorrow.

Moving forward we are going to do weekly testing on Fridays but we will do two locations near CCNC instead of the 5-mile location.

New location is the footbridge upstream from the CCNC - 39.747145, -121.805966

Attached is the preliminary report – they gave me some numbers over the phone that are not on this report.

Hooker Oak – Total = 1600, Fecal = 240

5-Mile – Total = 1600, Fecal=140

CCNC – Total=920, Fecal = 540

I was thinking about reaching out to PH to understand the testing better.

Let me know your thoughts!

Erin

From: Annabel Grimm <agrimm@chicorec.gov>

Sent: Wednesday, July 9, 2025 7:30 AM

To: Erin Morrissey <emorrissey@chicorec.gov>

Subject: Fwd: Big Chico Creek testing results

Can you forward me the info you have?

Sent from my iPhone

Begin forwarded message:

From: Mark Sorensen <Mark.Sorensen@chicoca.gov>

Date: July 9, 2025 at 07:26:52 PDT

To: Annabel Grimm <agrimm@chicorec.gov>

Subject: Big Chico Creek testing results

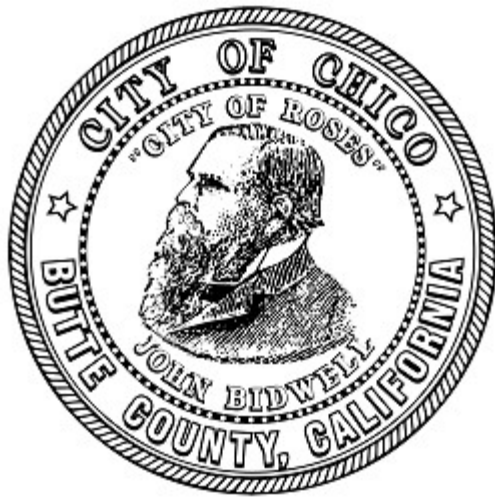
... please provide the locations and results of the tests you mentioned yesterday. May help us better understand the potential source(s) of the issue at one mile.... Thanks!

Mark Sorensen

City Manager | City of Chico

P.O. Box 3420 | 411 Main Street | Chico, CA 95927 | 530-896-7210

mark.sorensen@chicoca.gov | www.chicoca.gov



Beaudoin, Jarett

From: Beaudoin, Jarett
Sent: Thursday, July 10, 2025 6:43 PM
To: Soderstrom, Monica; Wais, Ashley; Cox, Erin; McSpadden, Elaine; Almaguer, Lisa
Subject: Fw: Big Chico Creek testing results
Attachments: CH_2576272prelim.pdf

Hello,

Spoke to Mark Sorenson about the possible connection to five mile. He reassured me that they had actually been doing some additional testing, including five mile. E. coli levels which were very low (30) when they tested (see attached)

We did not discuss any interventions at this time, as I told him we would review and reconnect on Tuesday.

Also from this thread, seems like we should be involving Rec in our conversations as there is still some confusion with the two different thresholds...

Jarett Beaudoin
Public Health Officer
Butte County Public Health

From: Mark Sorensen <Mark.Sorensen@chicoca.gov>
Sent: Thursday, July 10, 2025 7:36 PM
To: Beaudoin, Jarett <JBeaudoin@buttecounty.net>
Subject: FW: Big Chico Creek testing results

ATTENTION: This message originated from outside **Butte County**. Please exercise judgment before opening attachments, clicking on links, or replying.

FYI

From: Annabel Grimm <agrimm@chicorec.gov>
Sent: Wednesday, July 9, 2025 3:34 PM
To: Mark Sorensen <Mark.Sorensen@chicoca.gov>
Subject: FW: Big Chico Creek testing results

ATTENTION: This message originated from outside **City of Chico**. Please exercise judgment before opening attachments, clicking on links, or replying. Please report any suspicious emails with the Phishing Alert Button in Outlook or forward the email to phishing@chicoca.gov

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Sent: Wednesday, July 9, 2025 8:44 AM

To: Annabel Grimm <agrimm@chicorec.gov>

Subject: RE: Big Chico Creek testing results

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To: Erin Morrissey <emorrissey@chicorec.gov>

Subject: Fwd: Big Chico Creek testing results

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Sent from my iPhone

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Date: July 9, 2025 at 07:26:52 PDT

To: Annabel Grimm <agrimm@chicorec.gov>

Subject: Big Chico Creek testing results

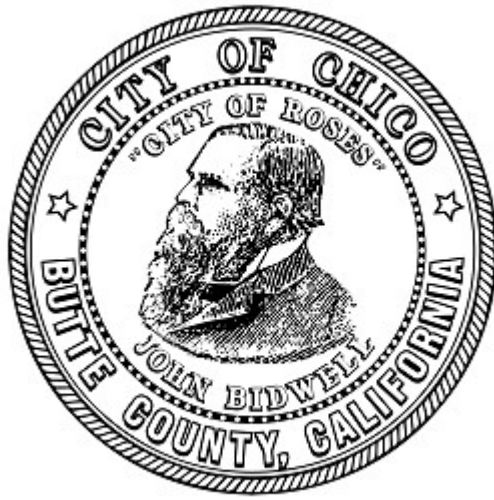
... please provide the locations and results of the tests you mentioned yesterday. May help us better understand the potential source(s) of the issue at one mile.... Thanks!

Mark Sorensen

City Manager | City of Chico

P.O. Box 3420 | 411 Main Street | Chico, CA 95927 | 530-896-7210

mark.sorensen@chicoca.gov | www.chicoca.gov



Beaudoin, Jarett

From: Beaudoin, Jarett
Sent: Tuesday, July 8, 2025 3:52 PM
To: Skyler Lipski
Cc: Mark Sorensen; Shane Romain; Erik Gustafson; Wais, Ashley; Cox, Erin
Subject: Re: Sycamore Pool Signs

Oh, you are posting them! Wonderful. Still over 100 though... ugh.

Jarett Beaudoin
Public Health Officer
Butte County Public Health

From: Skyler Lipski <skyler.lipski@Chicoca.gov>
Sent: Tuesday, July 8, 2025 3:55:29 PM
To: Beaudoin, Jarett <JBeaudoin@buttecounty.net>
Cc: Mark Sorensen <Mark.Sorensen@chicoca.gov>; Shane Romain <shane.romain@Chicoca.gov>; Erik Gustafson <erik.gustafson@Chicoca.gov>; Wais, Ashley <AWais@buttecounty.net>
Subject: Re: Sycamore Pool Signs

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Hi Jarett - the latest numbers are posted [here](#):

CITY OF CHICO SYCAMORE POOL COLIFORM TESTS - 2025

Please be advised, every lake, stream or creek can have bacteria including E. coli, a natural bacteria that lives in the intestines of people and animals. There are hundreds of strains of E. coli and only a few of them cause disease or sickness. Water quality conditions can change quickly. Follow healthy water habits such as do not swallow water, wash hands, shower and/or towel dry after water contact. Do not swim if you are sick or have open cuts or sores.

THRESHOLD: E. coli >120 MPN/100ml (Advisory Signs - no pool closures)
N/A Not available - E. Coli results only

Sample Date	UPSTREAM OF POOL (EAST)			DOWNSTREAM OF POOL WEST (at Camp)		
	Total Coliform (MPN/100 ml)	Fecal Coliform (MPN/100 ml)	E. Coli (MPN/100 ml)	Total Coliform (MPN/100 ml)	Fecal Coliform (MPN/100 ml)	E. Coli (MPN/100 ml)
1/7/25	980	79	64	1203	110	40
2/11/25	1650	46	28	1600	26	22
3/4/25	611	49	39	920	79	35
4/8/25	920	11	11	1600	49	17
5/6/25	>2419	300	308	>2419	240	308
5/14/25	>2419	170	194	>2419	920	461
5/20/25	1986	240	248	1711	240	194
5/27/25	>2419	110	144	>2419	240	198
6/3/25	>2419	220	219	>2419	240	308
6/10/25	>2419	240	248	>2419	240	261
6/17/25	>2419	350	194	1986	170	166
6/24/25	>2419	110	153	>2419	110	179
6/30/25	>2419	N/A	106	>2419	N/A	91
7/1/25	>2419	N/A	196	>2419	N/A	185
7/2/25	>2419	N/A	192	>2419	N/A	117
7/9/25	>2419	N/A	108	>2419	N/A	172
7/7/25	>2419	N/A	110	>2419	N/A	83

BCC_2025_Coliform_Web_070825
PDF Document · 157 KB

Still sampling daily.

Skyler Lipski
Deputy Director, Public Works O&M

City of Chico
(530) 894-4210 Office

Sent from mobile

On Jul 8, 2025, at 12:49 PM, Beaudoin, Jarett <JBeaudoin@buttecounty.net> wrote:

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Hello!

Just checking in on the levels this week- how are they looking?

-Jarett

Jarett Beaudoin
Public Health Officer
Butte County Public Health

From: Skyler Lipski <skyler.lipski@Chicoca.gov>
Sent: Wednesday, July 2, 2025 4:58:35 PM
To: Beaudoin, Jarett <JBeaudoin@buttecounty.net>; Mark Sorensen <Mark.Sorensen@chicoca.gov>; Shane Romain <shane.romain@Chicoca.gov>; Erik Gustafson <erik.gustafson@Chicoca.gov>
Cc: Wais, Ashley <AWais@buttecounty.net>
Subject: RE: Sycamore Pool Signs

ATTENTION: This message originated from outside **Butte County**. Please exercise judgment before opening attachments, clicking on links, or replying.

Let's shoot for it. I'll send you and Ashley and invite.

Skyler Lipski
Deputy Director, Public Works O&M
(530) 894-4210 Office

From: Beaudoin, Jarett <JBeaudoin@buttecounty.net>
Sent: Wednesday, July 2, 2025 1:50 PM
To: Skyler Lipski <skyler.lipski@Chicoca.gov>; Mark Sorensen <Mark.Sorensen@chicoca.gov>; Shane Romain <shane.romain@Chicoca.gov>; Erik Gustafson <erik.gustafson@Chicoca.gov>
Cc: Wais, Ashley <AWais@buttecounty.net>
Subject: Re: Sycamore Pool Signs

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I'm annoyingly on vacation next week. Can we do 7/15 at 1:00? I'd love to meet in person.

-Jarett

From: Skyler Lipski <skyler.lipski@Chicoca.gov>
Sent: Wednesday, July 2, 2025 1:28 PM
To: Mark Sorensen <Mark.Sorensen@chicoca.gov>; Beaudoin, Jarett <JBeaudoin@buttecounty.net>; Shane Romain <shane.romain@Chicoca.gov>; Erik Gustafson <erik.gustafson@Chicoca.gov>
Cc: Wais, Ashley <AWais@buttecounty.net>
Subject: RE: Sycamore Pool Signs

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Jarett – Looking ahead to schedule the sit-down... Erik is back Wednesday. Shane is out next week. Some options:

Meet with Erik & I:

7/9 3-4

7/10 1-2

Meet with Erik, Shane & I:

7/15 1-1:30

7/17 10:30-12

Skyler Lipski

Deputy Director, Public Works O&M
(530) 894-4210 Office

From: Mark Sorensen <Mark.Sorensen@chicoca.gov>
Sent: Tuesday, July 1, 2025 2:26 PM
To: Beaudoin, Jarett <JBeaudoin@buttecounty.net>; Skyler Lipski <skyler.lipski@Chicoca.gov>; Shane Romain <shane.romain@Chicoca.gov>; Erik Gustafson <erik.gustafson@Chicoca.gov>
Cc: Wais, Ashley <AWais@buttecounty.net>
Subject: RE: Sycamore Pool Signs

Yes... best to get it right.

We'll wait for the results from the sample taken today and re-evaluate the situation then.

If it is similarly below 100 CFU's per 100ml, I'd go with cancelling the advisory.

What if it's 110? We'll have to figure that out.

From: Beaudoin, Jarrett <JBeaudoin@buttecounty.net>
Sent: Tuesday, July 1, 2025 1:22 PM
To: Skyler Lipski <skyler.lipski@Chicoca.gov>; Shane Romain <shane.romain@Chicoca.gov>; Erik Gustafson <erik.gustafson@Chicoca.gov>
Cc: Wais, Ashley <AWais@buttecounty.net>; Mark Sorensen <Mark.Sorensen@chicoca.gov>
Subject: Re: Sycamore Pool Signs

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Ashley and I were just talking about this. We will definitely be updating the document, but I wanted to sit down with Erik and you all before we get everything on paper. Is that delay alright?

-Jarrett

From: Skyler Lipski <skyler.lipski@Chicoca.gov>
Sent: Tuesday, July 1, 2025 12:34 PM
To: Beaudoin, Jarrett <JBeaudoin@buttecounty.net>; Shane Romain <shane.romain@Chicoca.gov>; Erik Gustafson <erik.gustafson@Chicoca.gov>
Cc: Wais, Ashley <AWais@buttecounty.net>; Mark Sorensen <Mark.Sorensen@chicoca.gov>
Subject: RE: Sycamore Pool Signs

ATTENTION: This message originated from outside **Butte County**. Please exercise judgment before opening attachments, clicking on links, or replying.

Hi Jarrett,

Thanks for the update. We concur with moving forward on lifting the advisory after two consecutive sample results under 100 CFU/100 mL... If that's indeed what we land on, would you mind updating the BCPH Sycamore Guidance Document to formally memorialize that procedure?

Shane will be reaching out soon to help coordinate BCPH's oversight of the sampling process, which continues to be conducted by Fruit Growers Laboratory (FGL).

Appreciate your partnership on this,

Skyler Lipski

Deputy Director, Public Works O&M
(530) 894-4210 Office

From: Beaudoin, Jarrett <JBeaudoin@buttecounty.net>
Sent: Tuesday, July 1, 2025 12:00 PM
To: Shane Romain <shane.romain@Chicoca.gov>; Erik Gustafson <erik.gustafson@Chicoca.gov>; Skyler Lipski <skyler.lipski@Chicoca.gov>
Cc: Wais, Ashley <AWais@buttecounty.net>
Subject: Re: Sycamore Pool Signs

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Amazing! Cc'ing our Epidemiologist Ashley who has been working a lot with the water data. A couple thoughts:

- **Removing Advisory:** After talking with waterboard and some other locals, it seems like they remove advisories after two tests under 100 (instead of waiting for the average to come down). I think for now, this may not be a bad start. Annoyingly, the EPA guidance is very clear about when to put up signage, but lacks a lot of details on when to remove the signage. We are learning more each day though, so we may find a better answer soon.
- **Where to test:** You had mentioned earlier the issue with testing location. The guidance does say that we should have two samples in the most used spots, and they had recommended this in the last guidance. I think it would be better to start doing it this way. Would it be possible for Ashley and I to come out and see the sampling process? I'm sure you all are doing it great, but we are just trying to get the big picture on how this all works.

Otherwise, we can talk with Erik when he gets back and really iron this stuff out.

-Jarett

From: Shane Romain <shane.romain@Chicoca.gov>
Sent: Tuesday, July 1, 2025 11:37 AM
To: Erik Gustafson <erik.gustafson@Chicoca.gov>; Beaudoin, Jarett <jbeaudoin@buttecounty.net>;
Skyler Lipski <skyler.lipski@Chicoca.gov>
Subject: RE: Sycamore Pool Signs

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Hi,

Just got the results from yesterday's test. We are headed in the right direction.

CITY OF CHICO SYCAMORE POOL COLIFORM TESTS - 2025

Please be advised, every lake, stream or creek can have bacteria including E. coli, a natural bacteria that lives in the intestines of animals. There are hundreds of strains of E. coli and only a few of them cause disease or sickness. Water quality conditions can change quickly. Follow healthy water habits such as do not swallow water, wash hands, shower and/or towel dry after water contact. If you are sick or have open cuts or sores.

THRESHOLD: E coli >320 MPN/ml (Advisory Signs - no pool closure)

N/A

Not available - E. Coli results only

UPSTREAM OF POOL (EAST)			
Sample Date	Total Coliform (MPN/100 ml)	Fecal Coliform (MPN/100 ml)	E. Coli (MPN/100 ml)
1/7/25	980	79	64
2/11/25	1600	46	28
3/4/25	613	49	39
4/8/25	920	11	11
5/6/25	>2419	920	308
5/14/25	>2419	170	194
5/20/25	1986	240	248
5/27/25	>2419	130	144
6/3/25	>2419	220	219
6/10/25	>2419	540	248
6/17/25	>2419	350	194
6/24/25	>2419	N/A	153
6/30/25	>2419	N/A	104

<image001.jpg>

Shane Romain

Park and Natural Resources Manager

Public Works, O&M

(530) 896-7831 Direct | (530) 896-7800 Main Office

[Website](#) | [Contact Us](#) | [PALS Volunteer Program](#)

From: Erik Gustafson <erik.gustafson@Chicoca.gov>

Sent: Monday, June 30, 2025 2:51 PM

To: Shane Romain <shane.romain@Chicoca.gov>; JBeaudoin@buttecounty.net; Skyler Lipski <skyler.lipski@Chicoca.gov>

Subject: FW: Sycamore Pool Signs

Hi Guy's-

Just jumped online here and catching up. Shane, do we have test results back yet from last Tuesday?

Jarett, I'm reluctant to put those swimming advisory signs up based on the large difference between the geometric mean that sets it at 100 CFUs per 100ml vs the 320 CFU option. Those are two very different thresholds and I don't understand why one or the other are being recommended. If you recommend the GM at 100 then we'll comply, but the other option of 320 puts us within range. Can you clarify the difference?

Know that the attached sign basically says no swimming during triple digits temperatures and the 4th of July weekend. We'll need to be ready for an onslaught of media attention....

Thanks,

Erik Gustafson

Director, Public Works O&M
(530) 894-4202 Office

From: Beaudoin, Jarett <JBeaudoin@buttecounty.net>
Sent: Monday, June 30, 2025 11:23 AM
To: Skyler Lipski <skyler.lipski@Chicoca.gov>
Cc: Erik Gustafson <erik.gustafson@Chicoca.gov>
Subject: Sycamore Pool Signs

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Hey Skyler,

Thanks for standing in while Erik is away. He likely briefed you, but it has come to our attention that Sycamore Pool's E.Coli levels are above the threshold set by Public Health in 2017, which were based on the California Water Board recommendations that came from the EPA. I've attached all three if you are interested.

Because of this, **we need to put up signs advising the public of the levels and to recommend against swimming**. I've attached our Swimming Advisory that you can use instead of the one placed this weekend.

I'm meeting with the City Manager to update him this afternoon because we need to discuss next steps, so will have more info for you later. If Public Works would like to expedite things, you all can bump up testing to daily to see if the levels come down with less swimming and the encampment cleared upstream. That way if the levels were high only for that reason we can return to swimming sooner than if you continued weekly testing only.

Let me know if you have any questions!
-Jarett

Jarett Beaudoin, M.D., M.P.H.
Public Health Officer
[BUTTE COUNTY PUBLIC HEALTH](#)
[202 Mira Loma Drive | Oroville, CA 95965](#)

T: 530.552.4000

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[FACEBOOK](#) | [TWITTER \(X\)](#) | [INSTAGRAM](#) | [YOUTUBE](#)

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Beaudoin, Jarett

From: Beaudoin, Jarett
Sent: Tuesday, July 8, 2025 12:49 PM
To: Skyler Lipski; Mark Sorensen; Shane Romain; Erik Gustafson
Cc: Wais, Ashley
Subject: Re: Sycamore Pool Signs

Hello!

Just checking in on the levels this week- how are they looking?

-Jarett

Jarett Beaudoin
Public Health Officer
Butte County Public Health

From: Skyler Lipski <skyler.lipski@Chicoca.gov>
Sent: Wednesday, July 2, 2025 4:58:35 PM
To: Beaudoin, Jarett <JBeaudoin@buttecounty.net>; Mark Sorensen <Mark.Sorensen@chicoca.gov>; Shane Romain <shane.romain@Chicoca.gov>; Erik Gustafson <erik.gustafson@Chicoca.gov>
Cc: Wais, Ashley <AWais@buttecounty.net>
Subject: RE: Sycamore Pool Signs

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Let's shoot for it. I'll send you and Ashley and invite.

Skyler Lipski
Deputy Director, Public Works O&M
(530) 894-4210 Office

From: Beaudoin, Jarett <JBeaudoin@buttecounty.net>
Sent: Wednesday, July 2, 2025 1:50 PM
To: Skyler Lipski <skyler.lipski@Chicoca.gov>; Mark Sorensen <Mark.Sorensen@chicoca.gov>; Shane Romain <shane.romain@Chicoca.gov>; Erik Gustafson <erik.gustafson@Chicoca.gov>
Cc: Wais, Ashley <AWais@buttecounty.net>
Subject: Re: Sycamore Pool Signs

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I'm annoyingly on vacation next week. Can we do 7/15 at 1:00? I'd love to meet in person.

-Jarett

From: Skyler Lipski <skyler.lipski@Chicoca.gov>

Sent: Wednesday, July 2, 2025 1:28 PM

To: Mark Sorensen <Mark.Sorensen@chicoca.gov>; Beaudoin, Jarrett <JBeaudoin@buttecounty.net>; Shane Romain <shane.romain@Chicoca.gov>; Erik Gustafson <erik.gustafson@Chicoca.gov>

Cc: Wais, Ashley <AWais@buttecounty.net>

Subject: RE: Sycamore Pool Signs

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Jarrett – Looking ahead to schedule the sit-down... Erik is back Wednesday. Shane is out next week. Some options:

Meet with Erik & I:

7/9 3-4

7/10 1-2

Meet with Erik, Shane & I:

7/15 1-1:30

7/17 10:30-12

Skyler Lipski

Deputy Director, Public Works O&M

(530) 894-4210 Office

From: Mark Sorensen <Mark.Sorensen@chicoca.gov>

Sent: Tuesday, July 1, 2025 2:26 PM

To: Beaudoin, Jarrett <JBeaudoin@buttecounty.net>; Skyler Lipski <skyler.lipski@Chicoca.gov>; Shane Romain <shane.romain@Chicoca.gov>; Erik Gustafson <erik.gustafson@Chicoca.gov>

Cc: Wais, Ashley <AWais@buttecounty.net>

Subject: RE: Sycamore Pool Signs

Yes... best to get it right.

We'll wait for the results from the sample taken today and re-evaluate the situation then.

If it is similarly below 100 CFU's per 100ml, I'd go with cancelling the advisory.

What if it's 110? We'll have to figure that out.

From: Beaudoin, Jarrett <JBeaudoin@buttecounty.net>

Sent: Tuesday, July 1, 2025 1:22 PM

To: Skyler Lipski <skyler.lipski@Chicoca.gov>; Shane Romain <shane.romain@Chicoca.gov>; Erik Gustafson <erik.gustafson@Chicoca.gov>

Cc: Wais, Ashley <AWais@buttecounty.net>; Mark Sorensen <Mark.Sorensen@chicoca.gov>

Subject: Re: Sycamore Pool Signs

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Ashley and I were just talking about this. We will definitely be updating the document, but I wanted to sit down with Erik and you all before we get everything on paper. Is that delay alright?

-Jarett

From: Skyler Lipski <skyler.lipski@Chicoca.gov>

Sent: Tuesday, July 1, 2025 12:34 PM

To: Beaudoin, Jarett <JBeaudoin@buttecounty.net>; Shane Romain <shane.romain@Chicoca.gov>; Erik Gustafson <erik.gustafson@Chicoca.gov>

Cc: Wais, Ashley <AWais@buttecounty.net>; Mark Sorensen <Mark.Sorensen@chicoca.gov>

Subject: RE: Sycamore Pool Signs

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Hi Jarett,

Thanks for the update. We concur with moving forward on lifting the advisory after two consecutive sample results under 100 CFU/100 mL... If that's indeed what we land on, would you mind updating the BCPH Sycamore Guidance Document to formally memorialize that procedure?

Shane will be reaching out soon to help coordinate BCPH's oversight of the sampling process, which continues to be conducted by Fruit Growers Laboratory (FGL).

Appreciate your partnership on this,

Skyler Lipski

Deputy Director, Public Works O&M

(530) 894-4210 Office

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- **Removing Advisory:** After talking with waterboard and some other locals, it seems like they remove advisories after two tests under 100 (instead of waiting for the average to come down). I think for now,

this may not be a bad start. Annoyingly, the EPA guidance is very clear about when to put up signage, but lacks a lot of details on when to remove the signage. We are learning more each day though, so we may find a better answer soon.

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DOWNSTREAM (a)	
Total Coliform (MPN/100 ml)	C (M)
1203	

2/11/25	1600	46	28	1600
3/4/25	613	49	39	920
4/8/25	920	11	11	1600
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5/20/25	1986	240	248	1733
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6/10/25	>2419	540	248	>2419
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Shane Romain

Park and Natural Resources Manager

Public Works, O&M

(530) 896-7831 Direct | (530) 896-7800 Main Office

[Website](#) | [Contact Us](#) | [PALS Volunteer Program](#)

From: Erik Gustafson <erik.gustafson@Chicoca.gov>

Sent: Monday, June 30, 2025 2:51 PM

To: Shane Romain <shane.romain@Chicoca.gov>; JBeaudoin@buttecounty.net; Skyler Lipski <skyler.lipski@Chicoca.gov>

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Director, Public Works O&M

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Let me know if you have any questions!
-Jarett

Jarett Beaudoin, M.D., M.P.H.
Public Health Officer
[BUTTE COUNTY PUBLIC HEALTH](#)
[202 Mira Loma Drive | Oroville, CA 95965](#)
T: 530.552.4000

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Beaudoin, Jarett

From: Beaudoin, Jarett
Sent: Tuesday, July 8, 2025 5:55 AM
To: Lamba, Katherine@CDPH; Murphy, Shannon@OEHHA; Stainken, Cameron@CDPH; Higa, Jeffrey@CDPH; Weinstein, Eva@CDPH
Cc: McSpadden, Elaine; Wais, Ashley; Smith, Wesley@OEHHA; Kraushaar, Vit@CDPH
Subject: Re: Butte County Health Inquiry- Waterborne Illness-OEHHA Referral

This is good news. Thank you Kat!

We have a couple more STEC cases that just popped up, but we are currently checking to see if there are any linkages. If there are, we will certainly let you all know.

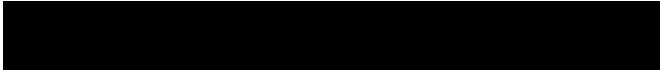
-Jarett

From: Lamba, Katherine@CDPH <Katherine.Lamba@cdph.ca.gov>
Sent: Monday, July 7, 2025 3:53 PM
To: Murphy, Shannon@OEHHA <Shannon.Murphy@oehha.ca.gov>; Stainken, Cameron@CDPH <Cameron.Stainken@cdph.ca.gov>; Beaudoin, Jarett <jbeaudoin@buttecounty.net>; Higa, Jeffrey@CDPH <Jeffrey.Higa@cdph.ca.gov>; Weinstein, Eva@CDPH <Eva.Weinstein@cdph.ca.gov>
Cc: McSpadden, Elaine <emcspadden@buttecounty.net>; Wais, Ashley <AWais@buttecounty.net>; Smith, Wesley@OEHHA <Wesley.Smith@oehha.ca.gov>; Kraushaar, Vit@CDPH <Vit.Kraushaar@cdph.ca.gov>
Subject: RE: Butte County Health Inquiry- Waterborne Illness-OEHHA Referral

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Hello Butte County colleagues,

I hope you all had a restful long weekend. Just a quick update that MDL has received the isolates for the 2 STEC cases:

- 

Let us know if you have any updates to share or if anything additional is needed at this time.

Kat

Katherine Lamba, MPH (she/her)
California Department of Public Health
Phone: 510-620-3429 | Email: Katherine.Lamba@cdph.ca.gov

Confidential - Low

From: Murphy, Shannon@OEHHA <Shannon.Murphy@oehha.ca.gov>
Sent: Friday, June 27, 2025 5:38 PM
To: Lamba, Katherine@CDPH <Katherine.Lamba@cdph.ca.gov>; Stainken, Cameron@CDPH <Cameron.Stainken@cdph.ca.gov>; Beaudoin, Jarett <jbeaudoin@buttecounty.net>; Higa, Jeffrey@CDPH <Jeffrey.Higa@cdph.ca.gov>; Weinstein, Eva@CDPH <Eva.Weinstein@cdph.ca.gov>

Cc: McSpadden, Elaine <emcspadden@buttecounty.net>; Wais, Ashley <AWais@buttecounty.net>; Smith, Wesley@OEHHA <Wesley.Smith@oehha.ca.gov>; Kraushaar, Vit@CDPH <Vit.Kraushaar@cdph.ca.gov>
Subject: RE: Butte County Health Inquiry- Waterborne Illness-OEHHA Referral

You don't often get email from shannon.murphy@oehha.ca.gov. [Learn why this is important](#)

Many thanks for these resources- great case references. Have a great weekend.

Shannon R. Murphy, Ph.D.

Staff Toxicologist

Fish, Incident Response, Seafood Safety, and Harmful Algal Bloom (F.I.S.H.) Section

shannon.murphy@oehha.ca.gov

916.322.8365

Office of Environmental Health Hazard Assessment
California Environmental Protection Agency
1001 I St., MS-12B, PO Box 4010, Sacramento, CA 95812

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From: Lamba, Katherine@CDPH <Katherine.Lamba@cdph.ca.gov>

Sent: Friday, June 27, 2025 5:06 PM

To: Stainken, Cameron@CDPH <Cameron.Stainken@cdph.ca.gov>; Beaudoin, Jarett <jbeaudoin@buttecounty.net>; Murphy, Shannon@OEHHA <Shannon.Murphy@oehha.ca.gov>; Higa, Jeffrey@CDPH <Jeffrey.Higa@cdph.ca.gov>; Weinstein, Eva@CDPH <Eva.Weinstein@cdph.ca.gov>

Cc: McSpadden, Elaine <emcspadden@buttecounty.net>; Wais, Ashley <AWais@buttecounty.net>; Smith, Wesley@OEHHA <Wesley.Smith@oehha.ca.gov>; Kraushaar, Vit@CDPH <Vit.Kraushaar@cdph.ca.gov>

Subject: RE: Butte County Health Inquiry- Waterborne Illness-OEHHA Referral

EXTERNAL:

Hi all,

Sharing a few of the communications from the Nevada County/Lake Wildwood investigation if needed. If you all want to check back in next week (Tuesday?), please send along some time slots that would work for your team.

Thank you and have a good weekend,

Kat

Katherine Lamba, MPH (she/her)

California Department of Public Health

Phone: 510-620-3429 | Email: Katherine.Lamba@cdph.ca.gov

Confidential - Low

From: Stainken, Cameron@CDPH <Cameron.Stainken@cdph.ca.gov>

Sent: Friday, June 27, 2025 3:32 PM

To: Beaudoin, Jarett <jbeaudoin@buttecounty.net>; Murphy, Shannon@OEHHA <Shannon.Murphy@oehha.ca.gov>;

Higa, Jeffrey@CDPH <Jeffrey.Higa@cdph.ca.gov>; Weinstein, Eva@CDPH <Eva.Weinstein@cdph.ca.gov>; Lamba, Katherine@CDPH <Katherine.Lamba@cdph.ca.gov>

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Subject: RE: Butte County Health Inquiry- Waterborne Illness-OEHA Referral

Great! Sending an invite now, feel free to forward as needed.

Confidential - Low

From: Beaudoin, Jarett <JBeaudoin@buttecounty.net>

Sent: Friday, June 27, 2025 3:31 PM

To: Murphy, Shannon@OEHA <Shannon.Murphy@oehha.ca.gov>; Stinken, Cameron@CDPH <Cameron.Stinken@cdph.ca.gov>; Higa, Jeffrey@CDPH <Jeffrey.Higa@cdph.ca.gov>; Weinstein, Eva@CDPH <Eva.Weinstein@cdph.ca.gov>; Lamba, Katherine@CDPH <Katherine.Lamba@cdph.ca.gov>

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Subject: Re: Butte County Health Inquiry- Waterborne Illness-OEHA Referral

I can jump on at 4:00!

-Jarett

Jarett Beaudoin
Public Health Officer
Butte County Public Health

From: Murphy, Shannon@OEHA <Shannon.Murphy@oehha.ca.gov>

Sent: Friday, June 27, 2025 3:24:22 PM

To: Stinken, Cameron@CDPH <Cameron.Stinken@cdph.ca.gov>; Higa, Jeffrey@CDPH <Jeffrey.Higa@cdph.ca.gov>; Weinstein, Eva@CDPH <Eva.Weinstein@cdph.ca.gov>; Lamba, Katherine@CDPH <Katherine.Lamba@cdph.ca.gov>

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Subject: RE: Butte County Health Inquiry- Waterborne Illness-OEHA Referral

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Thanks so much!

Dr. Beaudoin- feel free to respond directly and schedule a call that works for you.

Cheers,

Shannon R. Murphy, Ph.D.
Staff Toxicologist
Fish, Ecotoxicology, and Water Section
shannon.murphy@oehha.ca.gov
916.322.8365

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California Environmental Protection Agency
1001 I St., MS-12B, PO Box 4010, Sacramento, CA 95814

Please note: OEHHA is subject to the California Public Records Act. E-mail communications with OEHHA staff are not confidential and may be produced to members of the public upon request.

From: Stainken, Cameron@CDPH <Cameron.Stainken@cdph.ca.gov>
Sent: Friday, June 27, 2025 3:15 PM
To: Murphy, Shannon@OEHHA <Shannon.Murphy@oehha.ca.gov>; Higa, Jeffrey@CDPH <Jeffrey.Higa@cdph.ca.gov>; Weinstein, Eva@CDPH <Eva.Weinstein@cdph.ca.gov>; Lamba, Katherine@CDPH <Katherine.Lamba@cdph.ca.gov>
Cc: Beaudoin, Jarett <jbeaudoin@buttecounty.net>; McSpadden, Elaine <emcspadden@buttecounty.net>; Wais, Ashley <AWais@buttecounty.net>; Murphy, Shannon@OEHHA <Shannon.Murphy@oehha.ca.gov>; Smith, Wesley@OEHHA <Wesley.Smith@oehha.ca.gov>; Kraushaar, Vit@CDPH <Vit.Kraushaar@cdph.ca.gov>
Subject: RE: Butte County Health Inquiry- Waterborne Illness-OEHHA Referral

EXTERNAL:

Hi Shannon and Dr. Beaudoin,

Happy to help with this situation! Would a 3:30 or 4PM call work for everyone to discuss prior to the weekend? We can also touch base again on Monday for any loose ends.

Thanks!
Cameron

Cameron Stainken MD, MSc, MPH
Public Health Medical Officer
Infectious Diseases Branch
California Department of Public Health
Cameron.stainken@cdph.ca.gov

Confidential - Low

From: Murphy, Shannon@OEHHA <Shannon.Murphy@oehha.ca.gov>
Sent: Friday, June 27, 2025 2:36 PM
To: Stainken, Cameron@CDPH <Cameron.Stainken@cdph.ca.gov>; Higa, Jeffrey@CDPH <Jeffrey.Higa@cdph.ca.gov>; Weinstein, Eva@CDPH <Eva.Weinstein@cdph.ca.gov>
Cc: Beaudoin, Jarett <jbeaudoin@buttecounty.net>; McSpadden, Elaine <emcspadden@buttecounty.net>; Wais, Ashley <AWais@buttecounty.net>; Murphy, Shannon@OEHHA <Shannon.Murphy@oehha.ca.gov>; Smith, Wesley@OEHHA <Wesley.Smith@oehha.ca.gov>
Subject: Butte County Health Inquiry- Waterborne Illness-OEHHA Referral
Importance: High

Good afternoon, Dr. Stainken and Team:

I am reaching out for your assistance with a somewhat urgent inquiry from our colleagues at Butte County Health. ***Two reported E.coli infection related hemolytic uremic syndrome cases in children*** are under investigation with a suspected waterborne connection. Given this, I suggested that Butte County speak with you and your team.

You may recall that I worked a potential HAB-related illness case in cooperation with Butte County last summer (during the Shigellosis outbreak) that turned out to be a mild E.coli-related illness, and they reached out for assistance with the current human illness concerns.

In anticipation of the upcoming independence Day holiday, your timely guidance would be greatly appreciated.

Waterborne Health Concern- Butte County

- Butte County Local Health Officer **Dr. Jarett Beaudoin** (*cc'd on this correspondence*) is seeking guidance on informing health-based decisions regarding management of a City of Chico-managed swimming area, known as [Sycamore Pool](#), on a natural stream system (Big Chico Creek) experiencing elevated and persistent E.coli levels.
 - Sycamore pool is a high-use recreational swimming area with a history of elevated E.coli levels that exceed surface water guidance thresholds.
- Butte County has ***two reported E.coli infection related hemolytic uremic syndrome cases in children***. Sycamore Pool swimming area is the currently suspected exposure source.
- Butte County is in contact with the Central Valley Regional Water Quality Control Board (Region 5) regarding the surface water quality standard, supporting documentation and interpretation of the relevant thresholds.

Request of CDPH

- Dr. Beaudoin requests your input on any experience CDPH may have with implementing health-based actions to limit or manage potential exposure. More specifically, information any case examples that outline how other counties may have responded to similar circumstances, including guidance on swimming area closures, health advisory signage, and public communication efforts would be most appreciated.

Please accept this communication as a joint introduction between CDPH and Dr. Beaudoin of Butte County Health. If I can be of further assistance, please do not hesitate to reach out.

Thank you for your continued collegial support and collaboration with our shared public health efforts.

Best,

Shannon R. Murphy, Ph.D.

Staff Toxicologist

Fish, Ecotoxicology, and Water Section

shannon.murphy@oehha.ca.gov

916.322.8365

Office of Environmental Health Hazard Assessment

California Environmental Protection Agency

1001 I St., MS-12B, PO Box 4010, Sacramento, CA 95814

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Beaudoin, Jarett

From: Beaudoin, Jarett
Sent: Tuesday, July 8, 2025 5:54 AM
To: Thao, May
Subject: Fw: Butte County Health Inquiry- Waterborne Illness-OEHHA Referral

FYI

-Jarett

From: Lamba, Katherine@CDPH <Katherine.Lamba@cdph.ca.gov>
Sent: Monday, July 7, 2025 3:53 PM
To: Murphy, Shannon@OEHHA <Shannon.Murphy@oehha.ca.gov>; Stainken, Cameron@CDPH <Cameron.Stainken@cdph.ca.gov>; Beaudoin, Jarett <jbeaudoin@buttecounty.net>; Higa, Jeffrey@CDPH <Jeffrey.Higa@cdph.ca.gov>; Weinstein, Eva@CDPH <Eva.Weinstein@cdph.ca.gov>
Cc: McSpadden, Elaine <emcspadden@buttecounty.net>; Wais, Ashley <AWais@buttecounty.net>; Smith, Wesley@OEHHA <Wesley.Smith@oehha.ca.gov>; Kraushaar, Vit@CDPH <Vit.Kraushaar@cdph.ca.gov>
Subject: RE: Butte County Health Inquiry- Waterborne Illness-OEHHA Referral

ATTENTION: This message originated from outside **Butte County**. Please exercise judgment before opening attachments, clicking on links, or replying.

Hello Butte County colleagues,

I hope you all had a restful long weekend. Just a quick update that MDL has received the isolates for the 2 STEC cases:

- [REDACTED]

Let us know if you have any updates to share or if anything additional is needed at this time.

Kat

Katherine Lamba, MPH (she/her)
California Department of Public Health
Phone: 510-620-3429 | Email: Katherine.Lamba@cdph.ca.gov

Confidential - Low

From: Murphy, Shannon@OEHHA <Shannon.Murphy@oehha.ca.gov>
Sent: Friday, June 27, 2025 5:38 PM
To: Lamba, Katherine@CDPH <Katherine.Lamba@cdph.ca.gov>; Stainken, Cameron@CDPH <Cameron.Stainken@cdph.ca.gov>; Beaudoin, Jarett <jbeaudoin@buttecounty.net>; Higa, Jeffrey@CDPH <Jeffrey.Higa@cdph.ca.gov>; Weinstein, Eva@CDPH <Eva.Weinstein@cdph.ca.gov>
Cc: McSpadden, Elaine <emcspadden@buttecounty.net>; Wais, Ashley <AWais@buttecounty.net>; Smith, Wesley@OEHHA <Wesley.Smith@oehha.ca.gov>; Kraushaar, Vit@CDPH <Vit.Kraushaar@cdph.ca.gov>
Subject: RE: Butte County Health Inquiry- Waterborne Illness-OEHHA Referral

Many thanks for these resources- great case references. Have a great weekend.

Shannon R. Murphy, Ph.D.

Staff Toxicologist

Fish, Incident Response, Seafood Safety, and Harmful Algal Bloom (F.I.S.H.) Section

shannon.murphy@oehha.ca.gov

916.322.8365

Office of Environmental Health Hazard Assessment

California Environmental Protection Agency

1001 I St., MS-12B, PO Box 4010, Sacramento, CA 95812

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From: Lamba, Katherine@CDPH <Katherine.Lamba@cdph.ca.gov>

Sent: Friday, June 27, 2025 5:06 PM

To: Stainken, Cameron@CDPH <Cameron.Stainken@cdph.ca.gov>; Beaudoin, Jarrett <jbeaudoin@buttecounty.net>;
Murphy, Shannon@OEHHHA <Shannon.Murphy@oehha.ca.gov>; Higa, Jeffrey@CDPH <Jeffrey.Higa@cdph.ca.gov>;
Weinstein, Eva@CDPH <Eva.Weinstein@cdph.ca.gov>

Cc: McSpadden, Elaine <emcspadden@buttecounty.net>; Wais, Ashley <AWais@buttecounty.net>; Smith,
Wesley@OEHHHA <Wesley.Smith@oehha.ca.gov>; Kraushaar, Vit@CDPH <Vit.Kraushaar@cdph.ca.gov>

Subject: RE: Butte County Health Inquiry- Waterborne Illness-OEHHHA Referral

EXTERNAL:

Hi all,

Sharing a few of the communications from the Nevada County/Lake Wildwood investigation if needed. If you all want to check back in next week (Tuesday?), please send along some time slots that would work for your team.

Thank you and have a good weekend,

Kat

Katherine Lamba, MPH (she/her)

California Department of Public Health

Phone: 510-620-3429 | Email: Katherine.Lamba@cdph.ca.gov

Confidential - Low

From: Stainken, Cameron@CDPH <Cameron.Stainken@cdph.ca.gov>

Sent: Friday, June 27, 2025 3:32 PM

To: Beaudoin, Jarrett <jbeaudoin@buttecounty.net>; Murphy, Shannon@OEHHHA <Shannon.Murphy@oehha.ca.gov>;
Higa, Jeffrey@CDPH <Jeffrey.Higa@cdph.ca.gov>; Weinstein, Eva@CDPH <Eva.Weinstein@cdph.ca.gov>; Lamba,
Katherine@CDPH <Katherine.Lamba@cdph.ca.gov>

Cc: McSpadden, Elaine <emcspadden@buttecounty.net>; Wais, Ashley <AWais@buttecounty.net>; Smith,

Wesley@OEHA <Wesley.Smith@oehha.ca.gov>; Kraushaar, Vit@CDPH <Vit.Kraushaar@cdph.ca.gov>

Subject: RE: Butte County Health Inquiry- Waterborne Illness-OEHA Referral

Great! Sending an invite now, feel free to forward as needed.

Confidential - Low

From: Beaudoin, Jarett <JBeaudoin@buttecounty.net>

Sent: Friday, June 27, 2025 3:31 PM

To: Murphy, Shannon@OEHA <Shannon.Murphy@oehha.ca.gov>; Stainken, Cameron@CDPH <Cameron.Stainken@cdph.ca.gov>; Higa, Jeffrey@CDPH <Jeffrey.Higa@cdph.ca.gov>; Weinstein, Eva@CDPH <Eva.Weinstein@cdph.ca.gov>; Lamba, Katherine@CDPH <Katherine.Lamba@cdph.ca.gov>

Cc: McSpadden, Elaine <emcspadden@buttecounty.net>; Wais, Ashley <AWais@buttecounty.net>; Smith, Wesley@OEHA <Wesley.Smith@oehha.ca.gov>; Kraushaar, Vit@CDPH <Vit.Kraushaar@cdph.ca.gov>

Subject: Re: Butte County Health Inquiry- Waterborne Illness-OEHA Referral

I can jump on at 4:00!

-Jarett

Jarett Beaudoin
Public Health Officer
Butte County Public Health

From: Murphy, Shannon@OEHA <Shannon.Murphy@oehha.ca.gov>

Sent: Friday, June 27, 2025 3:24:22 PM

To: Stainken, Cameron@CDPH <Cameron.Stainken@cdph.ca.gov>; Higa, Jeffrey@CDPH <Jeffrey.Higa@cdph.ca.gov>; Weinstein, Eva@CDPH <Eva.Weinstein@cdph.ca.gov>; Lamba, Katherine@CDPH <Katherine.Lamba@cdph.ca.gov>

Cc: Beaudoin, Jarett <jbeaudoin@buttecounty.net>; McSpadden, Elaine <emcspadden@buttecounty.net>; Wais, Ashley <AWais@buttecounty.net>; Smith, Wesley@OEHA <Wesley.Smith@oehha.ca.gov>; Kraushaar, Vit@CDPH <Vit.Kraushaar@cdph.ca.gov>

Subject: RE: Butte County Health Inquiry- Waterborne Illness-OEHA Referral

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Thanks so much!

Dr. Beaudoin- feel free to respond directly and schedule a call that works for you.

Cheers,

Shannon R. Murphy, Ph.D.
Staff Toxicologist
Fish, Ecotoxicology, and Water Section
shannon.murphy@oehha.ca.gov
916.322.8365

Office of Environmental Health Hazard Assessment
California Environmental Protection Agency
1001 I St., MS-12B, PO Box 4010, Sacramento, CA 95814

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Cc: Beaudoin, Jarett <jbeaudoin@buttecounty.net>; McSpadden, Elaine <emcspadden@buttecounty.net>; Wais, Ashley <AWais@buttecounty.net>; Murphy, Shannon@OEHHA <Shannon.Murphy@oehha.ca.gov>; Smith, Wesley@OEHHA <Wesley.Smith@oehha.ca.gov>; Kraushaar, Vit@CDPH <Vit.Kraushaar@cdph.ca.gov>

Subject: RE: Butte County Health Inquiry- Waterborne Illness-OEHHA Referral

EXTERNAL:

Hi Shannon and Dr. Beaudoin,

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Thanks!
Cameron

Cameron Stainken MD, MSc, MPH

Public Health Medical Officer

Infectious Diseases Branch

California Department of Public Health

Cameron.stainken@cdph.ca.gov

Confidential - Low

From: Murphy, Shannon@OEHHA <Shannon.Murphy@oehha.ca.gov>

Sent: Friday, June 27, 2025 2:36 PM

To: Stainken, Cameron@CDPH <Cameron.Stainken@cdph.ca.gov>; Higa, Jeffrey@CDPH <Jeffrey.Higa@cdph.ca.gov>; Weinstein, Eva@CDPH <Eva.Weinstein@cdph.ca.gov>

Cc: Beaudoin, Jarett <jbeaudoin@buttecounty.net>; McSpadden, Elaine <emcspadden@buttecounty.net>; Wais, Ashley <AWais@buttecounty.net>; Murphy, Shannon@OEHHA <Shannon.Murphy@oehha.ca.gov>; Smith, Wesley@OEHHA <Wesley.Smith@oehha.ca.gov>

Subject: Butte County Health Inquiry- Waterborne Illness-OEHHA Referral

Importance: High

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- Butte County Local Health Officer **Dr. Jarett Beaudoin** (*cc'd on this correspondence*) is seeking guidance on informing health-based decisions regarding management of a City of Chico-managed swimming area, known as [Sycamore Pool](#), on a natural stream system (Big Chico Creek) experiencing elevated and persistent E.coli levels.
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Request of CDPH

- Dr. Beaudoin requests your input on any experience CDPH may have with implementing health-based actions to limit or manage potential exposure. More specifically, information any case examples that outline how other counties may have responded to similar circumstances, including guidance on swimming area closures, health advisory signage, and public communication efforts would be most appreciated.

Please accept this communication as a joint introduction between CDPH and Dr. Beaudoin of Butte County Health. If I can be of further assistance, please do not hesitate to reach out.

Thank you for your continued collegial support and collaboration with our shared public health efforts.

Best,

Shannon R. Murphy, Ph.D.

Staff Toxicologist

Fish, Ecotoxicology, and Water Section

shannon.murphy@oehha.ca.gov

916.322.8365

Office of Environmental Health Hazard Assessment

California Environmental Protection Agency

1001 I St., MS-12B, PO Box 4010, Sacramento, CA 95814

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Beaudoin, Jarett

From: Beaudoin, Jarett
Sent: Thursday, July 3, 2025 3:38 PM
To: Wais, Ashley
Subject: Fw: Documentation for your Use and Review - Nevada County Fileshare

Did you get this?

-Jarett

From: Nevada County File Share <noreply@nevadacountyca.gov>
Sent: Thursday, July 3, 2025 12:18 PM
To: Beaudoin, Jarett <JBeaudoin@buttecounty.net>
Subject: Documentation for your Use and Review - Nevada County Fileshare

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Secure Delivery

The following file(s) have been sent to you from
Amy.Irani@nevadacountyca.gov

1. Ten Year Summary LWW E. coli.pdf	282.74 KB
2007-2008 LWW Monitoring.pdf	1.56 MB
CDC CA Lake Wildwood O157H7 outbreak summary_2017-10-5_DRAFT.pdf	391.54 KB
CDC DEUF Guidance and Sample COCs with Photos.pdf	1.26 MB
CDC Results Report 9.4.18_Lake Wildwood_signed.pdf	746.50 KB
CDPH Scat and Moore Swab Test Results.pdf	208.05 KB
Deer Creek Sample Sites 2018.jpg	384.10 KB
IMG_0421.JPG	3.64 MB
IMG_2490.JPG	5.78 MB
IMG_2492.JPG	3.44 MB

IMG_2619.JPG	3.28 MB
IMG_2623.JPG	3.46 MB
IMG_2965.JPG	3.05 MB
Lake Wildwood Sample Sites - 2018.jpg	301.96 KB
Lake Wildwood Technical Memo.pdf	115.54 KB
Lake Wildwood Town Hall Presentation.pdf	8.85 MB
Wildflower Creek Sampling points 11-1-2018.jpg	269.15 KB

[Download Files](#)

The secure message expires on 7/17/25 12:18:45 PM

If the link above does not open, please copy and paste the following URL into your browser:
<https://fileshare.nevcounty.net/pkg?token=0422f59b-7113-4e4e-8551-1aa64550134b>

Powered by [GoAnywhere](#)

Beaudoin, Jarett

From: Beaudoin, Jarett
Sent: Thursday, July 3, 2025 3:20 PM
To: Azparren, Gene; Soderstrom, Monica; Cox, Erin; Nicholas, Jodi
Subject: Re: PM UPDATE [REDACTED]

Ah interesting. Thank you! This is useful for my general knowledge. Also CoCo is a great nickname.

-Jarett

From: Azparren, Gene <GAzparren@buttecounty.net>
Sent: Thursday, July 3, 2025 3:01 PM
To: Soderstrom, Monica <msoderstrom@buttecounty.net>; Beaudoin, Jarett <JBeaudoin@buttecounty.net>; Cox, Erin <ECox@buttecounty.net>; Nicholas, Jodi <JNicholas@buttecounty.net>
Subject: Re: PM UPDATE [REDACTED]

Hi All,

Actually I'll be here Monday (July 7th) of next week but am on vacation after that until Wed the 16th. I've given Jodi a heads up though who can help facilitate any CoCo requests in my absence.

Thanks,

Sent from my Verizon, Samsung Galaxy smartphone
Get [Outlook for Android](#)

From: Soderstrom, Monica <msoderstrom@buttecounty.net>
Sent: Thursday, July 3, 2025 2:48:46 PM
To: Azparren, Gene <GAzparren@buttecounty.net>; Beaudoin, Jarett <JBeaudoin@buttecounty.net>; Cox, Erin <ECox@buttecounty.net>
Subject: RE: PM UPDATE [REDACTED]

Thank you for providing the CoCo referral info for Dr. Beaudoin, Gene.
Dr. Beaudoin, since you are going to be on vacation, I hope you will not be contacted over the next week.
If you are, please forward any emails or messages to Gene.

Sincerely,

Monica Soderstrom, RN, PHN
Public Health Director
[BUTTE COUNTY PUBLIC HEALTH](#)
[202 Mira Loma Drive | Oroville, CA 95965](#)
T: 530.552.4000 | D: [530.552.3930](#) |

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From: Azparren, Gene <GAzparren@buttecounty.net>
Sent: Thursday, July 3, 2025 2:16 PM
To: Beaudoin, Jarett <JBeaudoin@buttecounty.net>; Cox, Erin <ECox@buttecounty.net>; Soderstrom, Monica <msoderstrom@buttecounty.net>
Subject: RE: PM UPDATE [REDACTED]

Yes, that's the number.

Although please note that requests for County Counsel (CoCo) legal services are typically required to be made in writing so the requesting department can describe what they need along with the provision of any relevant analysis, background, statutes, policies, or ordinances that may apply to the situation.

There is also a form that can be completed for "Urgent Requests (see attached)" that will initiate a faster response from CoCo as needed.

Also attached are CoCo's general policies and procedures that briefly outline steps requesting departments can take in various circumstances/situations (e.g. urgent requests, complaints, subpoenas, etc.). Thanks!

Gene Azparren, MA | Quality & Compliance Manager
Butte County Public Health
530-552-4050

From: Beaudoin, Jarett <JBeaudoin@buttecounty.net>
Sent: Thursday, July 3, 2025 1:51 PM
To: Cox, Erin <ECox@buttecounty.net>; Soderstrom, Monica <msoderstrom@buttecounty.net>; Azparren, Gene <GAzparren@buttecounty.net>
Subject: Re: PM UPDATE [REDACTED]

Excellent.

And that would be this number - 530-552-4070?
Got it off the county website.

Jarett Beaudoin
Public Health Officer
Butte County Public Health

From: Cox, Erin <ECox@buttecounty.net>
Sent: Thursday, July 3, 2025 1:48:22 PM
To: Soderstrom, Monica <msoderstrom@buttecounty.net>; Azparren, Gene <GAzparren@buttecounty.net>
Cc: Beaudoin, Jarett <JBeaudoin@buttecounty.net>
Subject: Re: PM UPDATE [REDACTED]

Perfect thank you Monica 😊

Erin Cox, MHS (Ret. FP-C, Paramedic) (she/her/hers)
Division Director
Emergency Preparedness and Infectious Disease Control (EPIC)
Public Health Laboratory

[BUTTE COUNTY PUBLIC HEALTH](#)

[2080 E20th Street Suite 180 Chico CA 95928](https://www.buttcounty.net/610/Public-Health)
M: 530.693.5674 F: 530.538.2165
ecox@buttecounty.net
<https://www.buttcounty.net/610/Public-Health>

****REPORT A DISEASE OR OUTBREAK****

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From: Soderstrom, Monica <msoderstrom@buttecounty.net>
Sent: Thursday, July 3, 2025 13:47
To: Cox, Erin <ECox@buttecounty.net>; Azparren, Gene <GAzparren@buttecounty.net>
Cc: Beaudoin, Jarett <JBeaudoin@buttecounty.net>
Subject: RE: PM UPDATE [REDACTED]

Hi Erin,
Gene just came into my office to discuss this before I saw your email. I gave the same advice as you did below. Roxanne (or any other PH staff member) should not speak with an attorney about this case or the situation. Any requests for information, including a subpoena or request for records, will go to County Counsel.

Sincerely,

Monica Soderstrom, RN, PHN
Public Health Director
[BUTTE COUNTY PUBLIC HEALTH](#)
[202 Mira Loma Drive | Oroville, CA 95965](#)
T: 530.552.4000 | D: [530.552.3930](tel:530.552.3930) |

"Nationally Accredited, 09/13/17"
[FACEBOOK](#) | [TWITTER](#)

From: Cox, Erin <ECox@buttecounty.net>
Sent: Thursday, July 3, 2025 1:34 PM
To: Soderstrom, Monica <msoderstrom@buttecounty.net>; Azparren, Gene <GAzparren@buttecounty.net>
Cc: Beaudoin, Jarett <JBeaudoin@buttecounty.net>
Subject: Fw: PM UPDATE [REDACTED]
Importance: High

Hello Monica,

Please see below and the 4 of us probably need to chat.

Thank you
Erin

Erin Cox, MHS (Ret. FP-C, Paramedic) (she/her/hers)
Division Director
Emergency Preparedness and Infectious Disease Control (EPIC)
Public Health Laboratory

[BUTTE COUNTY PUBLIC HEALTH](#)
[2080 E20th Street Suite 180 Chico CA 95928](#)
M: 530.693.5674 F: 530.538.2165
ecox@buttecounty.net
<https://www.buttecounty.net/610/Public-Health>

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From: Cox, Erin <ECox@buttecounty.net>
Sent: Thursday, July 3, 2025 13:32
To: Thao, May <MThao@buttecounty.net>; Villegas, Roxanne <RVillegas@buttecounty.net>; Beaudoin, Jarett <JBeaudoin@buttecounty.net>; Azparren, Gene <GAzparren@buttecounty.net>
Cc: Almaguer, Lisa <LAlmaguer@buttecounty.net>
Subject: Re: PM UPDATE [REDACTED]

Hi May and Roxanne,

Gene or I will need to discuss this with Monica who may need to involve county counsel. I do not think Roxanne should speak with the attorney until we have further guidance. Nothing is unofficial or off the record when speaking with an attorney and they should be providing some sort of documentation for us to review prior to "just a conversation".

At this time if Roxanne receives a call from the attorney you can let it go to voicemail or if you happen to answer it unknowingly then you can advise him that you are seeking further guidance from leadership and at this time are unable to speak with him, however gather his information, say thank you and end the call.

Thank you
Erin

Erin Cox, MHS (Ret. FP-C, Paramedic) (she/her/hers)
Division Director
Emergency Preparedness and Infectious Disease Control (EPIC)
Public Health Laboratory

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****REPORT A DISEASE OR OUTBREAK****

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From: Thao, May <MThao@buttecounty.net>
Sent: Thursday, July 3, 2025 13:22
To: Villegas, Roxanne <RVillegas@buttecounty.net>; Beaudoin, Jarett <JBeaudoin@buttecounty.net>; Cox, Erin <ECox@buttecounty.net>; Azparren, Gene <GAzparren@buttecounty.net>
Cc: Almaguer, Lisa <LAlmaguer@buttecounty.net>
Subject: RE: PM UPDATE [REDACTED]

Hello All,

In reading this email and anticipating if the client's attorney reaches out to Roxanne, how should Roxanne respond? Is she allowed to talk to the attorney or defer to someone else? Is there a suggested script for Roxanne to have in case the attorney calls?

Please advise.

May Thao, RN PHN
Public Health Nurse Supervisor
Emergency Preparedness and Infectious Disease Control (EPIC)
[BUTTE COUNTY PUBLIC HEALTH](#)
[2080 E 20th Street Suite 180, Chico CA 95928](#)
O: 530-552-3955 F: 530.538.5387
mthao@buttecounty.net

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From: Villegas, Roxanne <RVillegas@buttecounty.net>
Sent: Thursday, July 3, 2025 1:06 PM
To: Beaudoin, Jarett <JBeaudoin@buttecounty.net>; Cox, Erin <ECox@buttecounty.net>; Thao, May <MThao@buttecounty.net>; Azparren, Gene <GAzparren@buttecounty.net>

Cc: Almaguer, Lisa <LAlmaguer@buttecounty.net>

Subject: PM UPDATE [REDACTED]

Hello,

I wanted to share [REDACTED] called me just now. Highlights include:

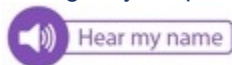
- Sharing how her son is doing.
- Challenging experience and she is “disgusted” with the City r/t Sycamore Pool. Lots of emotions (understandably).
- She is thankful for BCPH support in this.
- Family is taking legal action (against City) via Bill Marler of Marler & Clark out of Seattle.
 - Bill Marler may call me. For her information (and no action needed on her part) I shared I would need to connect with our Q&C manger for further direction.
- [REDACTED] asked if a specimen was sent to state lab.
 - I responded that our process is to work with original lab to have an isolate sent to state lab for further testing.

Thank you

Roxanne I Villegas, RN PHN (pronouns: she/her/hers)

Public Health Nurse

Emergency Preparedness and Infectious Disease Control (EPIC)



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From: Villegas, Roxanne

Sent: Thursday, July 3, 2025 12:00 PM

To: Beaudoin, Jarett <JBeaudoin@buttecounty.net>; Cox, Erin <ECox@buttecounty.net>; Thao, May <MThao@buttecounty.net>

Subject: UPDATE [REDACTED]

Hello,

I wanted to share most recent notes for this pt. Highlight:

- [REDACTED]

Thank you

Roxanne I Villegas, RN PHN (pronouns: she/her/hers)

Public Health Nurse

Emergency Preparedness and Infectious Disease Control (EPIC)



Hear my name

BUTTE COUNTY PUBLIC HEALTH

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From: Villegas, Roxanne

Sent: Monday, June 23, 2025 12:36 PM

To: Wais, Ashley <AWais@buttecounty.net>; Beaudoin, Jarrett <JBeaudoin@buttecounty.net>

Cc: Rodman, Alica <ARodman@buttecounty.net>; Bonnifet, Kristy <KBonnifet@buttecounty.net>; Silva, Lucero

<LSilva@buttecounty.net>; Allen, Heather <HAllen@buttecounty.net>; Heschen, Lila <LHeschen@buttecounty.net>

Subject: [REDACTED]

Hello,

697

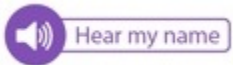
[REDACTED]

Thank you

Roxanne I Villegas, RN PHN (pronouns: she/her/hers)

Public Health Nurse

Emergency Preparedness and Infectious Disease Control (EPIC)



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Beaudoin, Jarett

From: Beaudoin, Jarett
Sent: Thursday, July 3, 2025 2:58 PM
To: Gilman, Katie@Waterboards
Cc: Wais, Ashley
Subject: Re: Water quality Data

This is great information Katie.

In talking with Nevada County who dealt with this in Lake Wildwood, they mentioned labs being able to do an initial test E. Coli to assess whether it is Human vs Ruminant. Is this something your lab does? They mentioned further analysis isn't as helpful, but simply human vs non-human could be helpful when deciding if this is related to a human-camp or septic system.

We are still trying to figure out whether investigating the cause of the levels could lead to any actionable intervention...

-Jarett

p.s. I cc'd Ashley Wais who is our Epidemiologist and is the other person working with me on this.

From: Gilman, Katie@Waterboards <Katie.Gilman@Waterboards.ca.gov>
Sent: Wednesday, July 2, 2025 8:01 AM
To: Beaudoin, Jarett <JBeaudoin@buttecounty.net>
Subject: RE: Water quality Data

ATTENTION: This message originated from outside **Butte County**. Please exercise judgment before opening attachments, clicking on links, or replying.

If you continue to see issues and want some assistance, feel free to reach out. We've assisted in researching E. Coli issues in Shasta County and found that one was related to geese and the other was determined to be a leaking septic system. I'm also able to test for E. Coli in our on-site lab.

-Katie

From: Beaudoin, Jarett <JBeaudoin@buttecounty.net>
Sent: Tuesday, July 1, 2025 3:13 PM
To: Gilman, Katie@Waterboards <Katie.Gilman@Waterboards.ca.gov>
Cc: McSpadden, Elaine <EMcSpadden@buttecounty.net>; Wais, Ashley <AWais@buttecounty.net>
Subject: Re: Water quality Data

Excellent. The map is very helpful.

In case you are curious, we are working on the E.Coli issue downstream at Sycamore pool. I was curious if you all were seeing anything significant upstream that would potentially be correlated with the issue. This data is helpful to see if there are any correlating trends (although the station is 4 miles upstream).

Thanks again!

-Jarett

From: Gilman, Katie@Waterboards <Katie.Gilman@Waterboards.ca.gov>
Sent: Tuesday, July 1, 2025 2:23 PM
To: Beaudoin, Jarett <JBeaudoin@buttecounty.net>
Cc: McSpadden, Elaine <EMcSpadden@buttecounty.net>; Wais, Ashley <AWais@buttecounty.net>
Subject: RE: Water quality Data

ATTENTION: This message originated from outside **Butte County**. Please exercise judgment before opening attachments, clicking on links, or replying.

Hi Jarett,

Attached is the map of the Park Fire sampling locations: Mud Creek (MC), Rock Creek(RC), and Big Chico Creek(BCC).

The Big Chico Creek continuous monitoring station for DWR is located at the Bidwell Park Golf Course (same location as Park Fire sampling).

For any other DWR data, this map may be more user friendly: [Map](#). If you click on a station, it will show you the years that samples were collected. The station I shared below is this one: [WDL Water Quality Data](#) and if you click on the station name it will give you the lat/long.

-Katie

From: Beaudoin, Jarett <JBeaudoin@buttecounty.net>
Sent: Tuesday, July 1, 2025 2:06 PM
To: Gilman, Katie@Waterboards <Katie.Gilman@Waterboards.ca.gov>
Cc: McSpadden, Elaine <EMcSpadden@buttecounty.net>; Wais, Ashley <AWais@buttecounty.net>
Subject: Re: Water quality Data

Hey Katie,

This is great. Two quick questions:

What are the locations of the PF-RC, PF-MC, and PF-BCC? I'm assuming PF-BCC is Big Chico Creek?

Is the Big Chico Creek station in the DWR the same station?

There are so many collection points on the DWR maps that it's hard for me to figure out where the current stations are and how long they've been monitored for.

Thank you!

-Jarett

From: Gilman, Katie@Waterboards <Katie.Gilman@Waterboards.ca.gov>
Sent: Monday, June 30, 2025 2:19 PM
To: Beaudoin, Jarett <JBeaudoin@buttecounty.net>
Cc: McSpadden, Elaine <EMcSpadden@buttecounty.net>; Wais, Ashley <AWais@buttecounty.net>
Subject: RE: Water quality Data

ATTENTION: This message originated from outside **Butte County**. Please exercise judgment before opening attachments, clicking on links, or replying.

Hi Jarett,

Attached is an updated spreadsheet with the remaining Park Fire Water Quality samples, May is the last sample I plan to collect. This sampling collection began in October 2024 in response to the Park Fire, so we don't have anything prior to that with these exact constituents and locations.

However, DWR has a few sources of data. They do a quarterly sampling of the Sacramento watershed, and that includes a water sample on Big Chico Creek (station name: CHICO C BIG A CHICO). You can download the results from this website: [Water Quality Data - Dataset - California Open Data](#)

Although a newer source of data, here is the data for the Dept. of Water Resources continuous monitoring on BCC: [Metadata](#)

Let me know if you have any questions,

Katie Gilman

Engineering Geologist

R5 CENTRAL VALLEY - REDDING
R5 NonPoint Source Activities

Email: Katie.Gilman@Waterboards.ca.gov
Phone: (530) 224-3212

364 Knollcrest Drive, Suite 205, Redding CA 96002
Website: www.waterboards.ca.gov

Follow: [X](#) | [YouTube](#) | [Facebook](#) | [LinkedIn](#)



From: Beaudoin, Jarett <JBeaudoin@buttecounty.net>

Sent: Monday, June 30, 2025 9:06 AM

To: Gilman, Katie@Waterboards <Katie.Gilman@Waterboards.ca.gov>

Cc: McSpadden, Elaine <EMcSpadden@buttecounty.net>; Wais, Ashley <AWais@buttecounty.net>

Subject: Water quality Data

Caution: External Email. Use caution when clicking links or opening attachments. When in doubt, contact DIT or use the Phish Alert Button.

Hey Katie,

I am the health officer for Butte County. I got your email from my Environmental Health Director Elaine McSpadden because she send me a draft of your Water quality report for Big Chico Creek.

Do you by chance have updated data from Big Chico Creek, maybe for April/May? I'd also love to see historical data, maybe from the past 5 years or so. Is that housed on a public site somewhere or would I need to request that?

I appreciate the help!

-Jarett

Jarett Beaudoin, M.D., M.P.H.

Public Health Officer

[BUTTE COUNTY PUBLIC HEALTH](#)

[202 Mira Loma Drive | Oroville, CA 95965](#)

T: 530.552.4000

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Beaudoin, Jarett

From: Beaudoin, Jarett
Sent: Thursday, July 3, 2025 1:51 PM
To: Cox, Erin; Soderstrom, Monica; Azparren, Gene
Subject: Re: PM UPDATE [REDACTED]

Excellent.

And that would be this number - 530-552-4070?
Got it off the county website.

Jarett Beaudoin
Public Health Officer
Butte County Public Health

From: Cox, Erin <ECox@buttecounty.net>
Sent: Thursday, July 3, 2025 1:48:22 PM
To: Soderstrom, Monica <msoderstrom@buttecounty.net>; Azparren, Gene <GAzparren@buttecounty.net>
Cc: Beaudoin, Jarett <JBeaudoin@buttecounty.net>
Subject: Re: PM UPDATE [REDACTED]

Perfect thank you Monica 😊

Erin Cox, MHS (Ret. FP-C, Paramedic) (she/her/hers)
Division Director
Emergency Preparedness and Infectious Disease Control (EPIC)
Public Health Laboratory

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[2080 E20th Street Suite 180 Chico CA 95928](#)
M: 530.693.5674 F: 530.538.2165
ecox@buttecounty.net
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From: Soderstrom, Monica <msoderstrom@buttecounty.net>
Sent: Thursday, July 3, 2025 13:47
To: Cox, Erin <ECox@buttecounty.net>; Azparren, Gene <GAzparren@buttecounty.net>

Cc: Beaudoin, Jarett <JBeaudoin@buttecounty.net>

Subject: RE: PM UPDATE [REDACTED]

Hi Erin,

Gene just came into my office to discuss this before I saw your email. I gave the same advice as you did below. Roxanne (or any other PH staff member) should not speak with an attorney about this case or the situation. Any requests for information, including a subpoena or request for records, will go to County Counsel.

Sincerely,

Monica Soderstrom, RN, PHN

Public Health Director

[BUTTE COUNTY PUBLIC HEALTH](#)

[202 Mira Loma Drive | Oroville, CA 95965](#)

T: 530.552.4000 | D: [530.552.3930](#) |

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From: Cox, Erin <ECox@buttecounty.net>

Sent: Thursday, July 3, 2025 1:34 PM

To: Soderstrom, Monica <msoderstrom@buttecounty.net>; Azparren, Gene <GAzparren@buttecounty.net>

Cc: Beaudoin, Jarett <JBeaudoin@buttecounty.net>

Subject: Fw: PM UPDATE [REDACTED]

Importance: High

Hello Monica,

Please see below and the 4 of us probably need to chat.

Thank you

Erin

Erin Cox, MHS (Ret. FP-C, Paramedic) (she/her/hers)

Division Director

Emergency Preparedness and Infectious Disease Control (EPIC)

Public Health Laboratory

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From: Cox, Erin <ECox@buttecounty.net>

Sent: Thursday, July 3, 2025 13:32

To: Thao, May <MThao@buttecounty.net>; Villegas, Roxanne <RVillegas@buttecounty.net>; Beaudoin, Jarett <JBeaudoin@buttecounty.net>; Azparren, Gene <GAzparren@buttecounty.net>

Cc: Almaguer, Lisa <LAlmaguer@buttecounty.net>

Subject: Re: PM UPDATE [REDACTED]

Hi May and Roxanne,

Gene or I will need to discuss this with Monica who may need to involve county counsel. I do not think Roxanne should speak with the attorney until we have further guidance. Nothing is unofficial or off the record when speaking with an attorney and they should be providing some sort of documentation for us to review prior to "just a conversation".

At this time if Roxanne receives a call from the attorney you can let it go to voicemail or if you happen to answer it unknowingly then you can advise him that you are seeking further guidance from leadership and at this time are unable to speak with him, however gather his information, say thank you and end the call.

Thank you

Erin

Erin Cox, MHS (Ret. FP-C, Paramedic) (she/her/hers)

Division Director

Emergency Preparedness and Infectious Disease Control (EPIC)

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<ECox@buttecounty.net>; Azparren, Gene <GAzparren@buttecounty.net>

Cc: Almaguer, Lisa <LAlmaguer@buttecounty.net>

Subject: RE: PM UPDATE [REDACTED]

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Please advise.

May Thao, RN PHN

Public Health Nurse Supervisor

Emergency Preparedness and Infectious Disease Control (EPIC)

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Cc: Almaguer, Lisa <LAlmaguer@buttecounty.net>

Subject: PM UPDATE [REDACTED]

Hello,

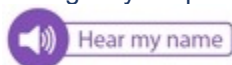
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- Sharing how her son is doing.
- Challenging experience and she is "disgusted" with the City r/t Sycamore Pool. Lots of emotions (understandably).
- She is thankful for BCPH support in this.
- Family is taking legal action (against City) via Bill Marler of Marler & Clark out of Seattle.
 - Bill Marler may call me. For her information (and no action needed on her part) I shared I would need to connect with our Q&C manger for further direction.
- [REDACTED] asked if a specimen was sent to state lab.
 - I responded that our process is to work with original lab to have an isolate sent to state lab for further testing.

Thank you

Roxanne I Villegas, RN PHN (pronouns: she/her/hers)

Public Health Nurse
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To: Beaudoin, Jarett <JBeaudoin@buttecounty.net>; Cox, Erin <ECox@buttecounty.net>; Thao, May <MThao@buttecounty.net>
Subject: UPDATE [REDACTED]

Hello,

I wanted to share most recent notes for this pt. Highlight:

- [REDACTED]

Thank you

Roxanne I Villegas, RN PHN (pronouns: she/her/hers)
Public Health Nurse
Emergency Preparedness and Infectious Disease Control (EPIC)



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Sent: Monday, June 23, 2025 12:36 PM
To: Wais, Ashley <AWais@buttecounty.net>; Beaudoin, Jarett <JBeaudoin@buttecounty.net>
Cc: Rodman, Alica <ARodman@buttecounty.net>; Bonnifet, Kristy <KBonnifet@buttecounty.net>; Silva, Lucero <LSilva@buttecounty.net>; Allen, Heather <HAllen@buttecounty.net>; Heschen, Lila <LHeschen@buttecounty.net>
Subject: [REDACTED]

[illegible]

T: [530.552.3954](tel:530.552.3954) | F: [530.538.5387](tel:530.538.5387)

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Beaudoin, Jarett

From: Beaudoin, Jarett
Sent: Wednesday, July 2, 2025 1:50 PM
To: Skyler Lipski; Mark Sorensen; Shane Romain; Erik Gustafson
Cc: Wais, Ashley
Subject: Re: Sycamore Pool Signs

I'm annoyingly on vacation next week. Can we do 7/15 at 1:00? I'd love to meet in person.

-Jarett

From: Skyler Lipski <skyler.lipski@Chicoca.gov>
Sent: Wednesday, July 2, 2025 1:28 PM
To: Mark Sorensen <Mark.Sorensen@chicoca.gov>; Beaudoin, Jarett <JBeaudoin@buttecounty.net>; Shane Romain <shane.romain@Chicoca.gov>; Erik Gustafson <erik.gustafson@Chicoca.gov>
Cc: Wais, Ashley <AWais@buttecounty.net>
Subject: RE: Sycamore Pool Signs

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Jarett – Looking ahead to schedule the sit-down... Erik is back Wednesday. Shane is out next week. Some options:

Meet with Erik & I:

7/9 3-4

7/10 1-2

Meet with Erik, Shane & I:

7/15 1-1:30

7/17 10:30-12

Skyler Lipski

Deputy Director, Public Works O&M
(530) 894-4210 Office

From: Mark Sorensen <Mark.Sorensen@chicoca.gov>
Sent: Tuesday, July 1, 2025 2:26 PM
To: Beaudoin, Jarett <JBeaudoin@buttecounty.net>; Skyler Lipski <skyler.lipski@Chicoca.gov>; Shane Romain <shane.romain@Chicoca.gov>; Erik Gustafson <erik.gustafson@Chicoca.gov>
Cc: Wais, Ashley <AWais@buttecounty.net>
Subject: RE: Sycamore Pool Signs

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If it is similarly below 100 CFU's per 100ml, I'd go with cancelling the advisory.

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Cc: Wais, Ashley <AWais@buttecounty.net>; Mark Sorensen <Mark.Sorensen@chicoca.gov>

Subject: Re: Sycamore Pool Signs

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Ashley and I were just talking about this. We will definitely be updating the document, but I wanted to sit down with Erik and you all before we get everything on paper. Is that delay alright?

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Otherwise, we can talk with Erik when he gets back and really iron this stuff out.

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To: Erik Gustafson <erik.gustafson@Chicoca.gov>; Beaudoin, Jarett <jbeaudoin@buttecounty.net>; Skyler Lipski <skyler.lipski@Chicoca.gov>

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Hi,

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THRESHOLD: E coli >320 MPN/ml (Advisory Signs - no pool closure)

N/A

Not available - E. Coli results only

UPSTREAM OF POOL (EAST)			
Sample Date	Total Coliform (MPN/100 ml)	Fecal Coliform (MPN/100 ml)	E. Coli (MPN/100 ml)
1/7/25	980	79	64
2/11/25	1600	46	28
3/4/25	613	49	39
4/8/25	920	11	11
5/6/25	>2419	920	308
5/14/25	>2419	170	194
5/20/25	1986	240	248
5/27/25	>2419	130	144
6/3/25	>2419	220	219
6/10/25	>2419	540	248
6/17/25	>2419	350	194
6/24/25	>2419	N/A	153
6/30/25	>2419	N/A	104

DOWNSTREAM (a)	
Total Coliform (MPN/100 ml)	E. Coli (MPN/100 ml)
1203	
1600	
920	
1600	
>2419	
>2419	
1733	
>2419	
>2419	
>2419	
1986	
>2419	
>2419	



Shane Romain

Park and Natural Resources Manager

Public Works, O&M

(530) 896-7831 Direct | (530) 896-7800 Main Office

[Website](#) | [Contact Us](#) | [PALS Volunteer Program](#)

From: Erik Gustafson <erik.gustafson@Chicoca.gov>

Sent: Monday, June 30, 2025 2:51 PM

To: Shane Romain <shane.romain@Chicoca.gov>; JBeaudoin@buttecounty.net; Skyler Lipski <skyler.lipski@Chicoca.gov>

Subject: FW: Sycamore Pool Signs

Hi Guy's-

Just jumped online here and catching up. Shane, do we have test results back yet from last Tuesday?

Jarett, I'm reluctant to put those swimming advisory signs up based on the large difference between the geometric mean that sets it at 100 CFUs per 100ml vs the 320 CFU option. Those are two very different thresholds and I don't understand why one or the other are being recommended. If you recommend the GM at 100 then we'll comply, but the other option of 320 puts us within range. Can you clarify the difference?

Know that the attached sign basically says no swimming during triple digits temperatures and the 4th of July weekend. We'll need to be ready for an onslaught of media attention....

Thanks,

Erik Gustafson

Director, Public Works O&M
(530) 894-4202 Office

From: Beaudoin, Jarett <JBeaudoin@buttecounty.net>
Sent: Monday, June 30, 2025 11:23 AM
To: Skyler Lipski <skyler.lipski@Chicoca.gov>
Cc: Erik Gustafson <erik.gustafson@Chicoca.gov>
Subject: Sycamore Pool Signs

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Hey Skyler,

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Because of this, **we need to put up signs advising the public of the levels and to recommend against swimming**. I've attached our Swimming Advisory that you can use instead of the one placed this weekend.

I'm meeting with the City Manager to update him this afternoon because we need to discuss next steps, so will have more info for you later. If Public Works would like to expedite things, you all can bump up testing to daily to see if the levels come down with less swimming and the encampment cleared upstream. That way if the levels were high only for that reason we can return to swimming sooner than if you continued weekly testing only.

Let me know if you have any questions!
-Jarett

Jarett Beaudoin, M.D., M.P.H.
Public Health Officer
[BUTTE COUNTY PUBLIC HEALTH](#)
[202 Mira Loma Drive | Oroville, CA 95965](#)
T: 530.552.4000

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Beaudoin, Jarett

From: Beaudoin, Jarett
Sent: Wednesday, July 2, 2025 11:08 AM
To: Mark Sorensen
Subject: Re: CARD?

Hmmm I see the issue.

I agree that it's impossible to "close" from a logistical point of view. I don't know enough about Lifeguard requirements and the legal side if something were to happen. But I am struggling with the need for lifeguards at this location when there are no lifeguards for the majority of Big Chico Creek- like at the swimming holes or 5 mile. I can see the argument that this pool has higher-volume of swimmers and is a bit more formalized in it's swimming; thus meaning the risk of drowning is higher than in other locations. However, it just seems strange to me (and I imagine to the public) when we put up signs saying we recommend against swimming; but then put up lifeguards who we are also asked to swim.

Alas- I see the issue. I'm meeting with Nevada County to discuss what they do with Lake Wildwood beaches and will add in the lifeguard issue.

Another thing to add to the list of how we formalize this for the future!

-Jarett

From: Mark Sorensen <Mark.Sorensen@chicoca.gov>
Sent: Wednesday, July 2, 2025 10:28 AM
To: Beaudoin, Jarett <JBeaudoin@buttecounty.net>
Subject: RE: CARD?

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Had that discussion with CARD GM yesterday. There are a few factors in play that quickly come to mind.

1. There is no way to "close" the pool.
 - a. Closed signs would be routinely ignored.
 - i. Case in point, we have Petersen Drive closed for major reconstruction, with active, large machinery in use. Closure is ignored by the public.
 - ii. We know this. If we pulled life guards and something happens.... Not a good situation.
2. Even those swimmers who do honor the closed sign, most will simply swim upstream or downstream in the same water.
3. I fully expect another favorable test result today. If so, likely the advisory will be lifted.

From: Beaudoin, Jarett <JBeaudoin@buttecounty.net>
Sent: Wednesday, July 2, 2025 10:21 AM
To: Mark Sorensen <Mark.Sorensen@chicoca.gov>
Subject: CARD?

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Hey Mark,

I wanted to follow-up on the CARD discussion we had. Again- full disclosure- one of our staff's child is a life guard for CARD. They got an email this morning from Andres Corrales that the sycamore pool is open for swimming. I know we aren't technically using the term "closed" but I imagine you would agree that lifeguards should not be in the pool (or even posted) if there is a swim advisory to recommend against swimming.

Let me know if I can help in anyway! I appreciate the quick response and the Public Works group I've been talking with have been excellent.

-Jarett

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Public Health Officer

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Beaudoin, Jarett

From: Beaudoin, Jarett
Sent: Tuesday, July 1, 2025 3:18 PM
To: Mark Sorensen; Skyler Lipski; Shane Romain; Erik Gustafson
Cc: Wais, Ashley
Subject: Re: Sycamore Pool Signs

Exactly. I think we gotta pick a threshold and stick to it.

To make things more confusing- we technically will take the average of the two samples. That single point in time average is then averaged over the past month to come up with the Geometric Mean level. However, if a closure occurs, then we will start the averaging from that point; so the previous levels are not pulling the average up. My hope is to set up an excel sheet that automatically does these calculations for you all, so in the future Public Works can just easily do things themselves.

This is a lot of info, so I think a meeting is a good idea. I'm on vacation next week though which is unfortunate timing, but I think you all have the rough idea for the time being.

-Jarett

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To: Beaudoin, Jarett <JBeaudoin@buttecounty.net>; Skyler Lipski <skyler.lipski@Chicoca.gov>; Shane Romain <shane.romain@Chicoca.gov>; Erik Gustafson <erik.gustafson@Chicoca.gov>
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1203	

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Park and Natural Resources Manager

Public Works, O&M

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Director, Public Works O&M

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Beaudoin, Jarett

From: Beaudoin, Jarett
Sent: Tuesday, July 1, 2025 3:13 PM
To: Gilman, Katie@Waterboards
Cc: McSpadden, Elaine; Wais, Ashley
Subject: Re: Water quality Data

Excellent. The map is very helpful.

In case you are curious, we are working on the E.Coli issue downstream at Sycamore pool. I was curious if you all were seeing anything significant upstream that would potentially be correlated with the issue. This data is helpful to see if there are any correlating trends (although the station is 4 miles upstream).

Thanks again!

-Jarett

From: Gilman, Katie@Waterboards <Katie.Gilman@Waterboards.ca.gov>
Sent: Tuesday, July 1, 2025 2:23 PM
To: Beaudoin, Jarett <JBeaudoin@buttecounty.net>
Cc: McSpadden, Elaine <EMcSpadden@buttecounty.net>; Wais, Ashley <AWais@buttecounty.net>
Subject: RE: Water quality Data

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Hi Jarett,

Attached is the map of the Park Fire sampling locations: Mud Creek (MC), Rock Creek(RC), and Big Chico Creek(BCC).

The Big Chico Creek continuous monitoring station for DWR is located at the Bidwell Park Golf Course (same location as Park Fire sampling).

For any other DWR data, this map may be more user friendly: [Map](#). If you click on a station, it will show you the years that samples were collected. The station I shared below is this one: [WDL Water Quality Data](#) and if you click on the station name it will give you the lat/long.

-Katie

From: Beaudoin, Jarett <JBeaudoin@buttecounty.net>
Sent: Tuesday, July 1, 2025 2:06 PM
To: Gilman, Katie@Waterboards <Katie.Gilman@Waterboards.ca.gov>
Cc: McSpadden, Elaine <EMcSpadden@buttecounty.net>; Wais, Ashley <AWais@buttecounty.net>
Subject: Re: Water quality Data

Hey Katie,

This is great. Two quick questions:

What are the locations of the PF-RC, PF-MC, and PF-BCC? I'm assuming PF-BCC is Big Chico Creek?

Is the Big Chico Creek station in the DWR the same station?

There are so many collection points on the DWR maps that it's hard for me to figure out where the current stations are and how long they've been monitored for.

Thank you!

-Jarett

From: Gilman, Katie@Waterboards <Katie.Gilman@Waterboards.ca.gov>
Sent: Monday, June 30, 2025 2:19 PM
To: Beaudoin, Jarett <JBeaudoin@buttecounty.net>
Cc: McSpadden, Elaine <EMcSpadden@buttecounty.net>; Wais, Ashley <AWais@buttecounty.net>
Subject: RE: Water quality Data

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Hi Jarett,

Attached is an updated spreadsheet with the remaining Park Fire Water Quality samples, May is the last sample I plan to collect. This sampling collection began in October 2024 in response to the Park Fire, so we don't have anything prior to that with these exact constituents and locations.

However, DWR has a few sources of data. They do a quarterly sampling of the Sacramento watershed, and that includes a water sample on Big Chico Creek (station name: CHICO C BIG A CHICO). You can download the results from this website: [Water Quality Data - Dataset - California Open Data](#)

Although a newer source of data, here is the data for the Dept. of Water Resources continuous monitoring on BCC: [Metadata](#)

Let me know if you have any questions,

Katie Gilman

Engineering Geologist

R5 CENTRAL VALLEY - REDDING
R5 NonPoint Source Activities

Email: Katie.Gilman@Waterboards.ca.gov
Phone: (530) 224-3212

364 Knollcrest Drive, Suite 205, Redding CA 96002
Website: www.waterboards.ca.gov

Follow: [X](#) | [YouTube](#) | [Facebook](#) | [LinkedIn](#)



From: Beaudoin, Jarett <JBeaudoin@buttecounty.net>
Sent: Monday, June 30, 2025 9:06 AM
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Cc: McSpadden, Elaine <EMcSpadden@buttecounty.net>; Wais, Ashley <AWais@buttecounty.net>
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Hey Katie,

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Do you by chance have updated data from Big Chico Creek, maybe for April/May? I'd also love to see historical data, maybe from the past 5 years or so. Is that housed on a public site somewhere or would I need to request that?

I appreciate the help!
-Jarett

Jarett Beaudoin, M.D., M.P.H.
Public Health Officer
[BUTTE COUNTY PUBLIC HEALTH](#)
[202 Mira Loma Drive | Oroville, CA 95965](#)
T: 530.552.4000

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Beaudoin, Jarett

From: Beaudoin, Jarett
Sent: Tuesday, July 1, 2025 2:06 PM
To: Gilman, Katie@Waterboards
Cc: McSpadden, Elaine; Wais, Ashley
Subject: Re: Water quality Data

Hey Katie,

This is great. Two quick questions:

What are the locations of the PF-RC, PF-MC, and PF-BCC? I'm assuming PF-BCC is Big Chico Creek?

Is the Big Chico Creek station in the DWR the same station?

There are so many collection points on the DWR maps that it's hard for me to figure out where the current stations are and how long they've been monitored for.

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Engineering Geologist

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Jarett Beaudoin, M.D., M.P.H.
Public Health Officer
[BUTTE COUNTY PUBLIC HEALTH](#)
[202 Mira Loma Drive | Oroville, CA 95965](#)
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Beaudoin, Jarett

From: Beaudoin, Jarett
Sent: Tuesday, July 1, 2025 1:22 PM
To: Skyler Lipski; Shane Romain; Erik Gustafson
Cc: Wais, Ashley; Mark Sorensen
Subject: Re: Sycamore Pool Signs

Ashley and I were just talking about this. We will definitely be updating the document, but I wanted to sit down with Erik and you all before we get everything on paper. Is that delay alright?

-Jarett

From: Skyler Lipski <skyler.lipski@Chicoca.gov>
Sent: Tuesday, July 1, 2025 12:34 PM
To: Beaudoin, Jarett <JBeaudoin@buttecounty.net>; Shane Romain <shane.romain@Chicoca.gov>; Erik Gustafson <erik.gustafson@Chicoca.gov>
Cc: Wais, Ashley <AWais@buttecounty.net>; Mark Sorensen <Mark.Sorensen@chicoca.gov>
Subject: RE: Sycamore Pool Signs

ATTENTION: This message originated from outside **Butte County**. Please exercise judgment before opening attachments, clicking on links, or replying.

Hi Jarett,

Thanks for the update. We concur with moving forward on lifting the advisory after two consecutive sample results under 100 CFU/100 mL... If that's indeed what we land on, would you mind updating the BCPH Sycamore Guidance Document to formally memorialize that procedure?

Shane will be reaching out soon to help coordinate BCPH's oversight of the sampling process, which continues to be conducted by Fruit Growers Laboratory (FGL).

Appreciate your partnership on this,

Skyler Lipski

Deputy Director, Public Works O&M
(530) 894-4210 Office

From: Beaudoin, Jarett <JBeaudoin@buttecounty.net>
Sent: Tuesday, July 1, 2025 12:00 PM
To: Shane Romain <shane.romain@Chicoca.gov>; Erik Gustafson <erik.gustafson@Chicoca.gov>; Skyler Lipski <skyler.lipski@Chicoca.gov>
Cc: Wais, Ashley <AWais@buttecounty.net>
Subject: Re: Sycamore Pool Signs

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Amazing! Cc'ing our Epidemiologist Ashley who has been working a lot with the water data. A couple thoughts:

- **Removing Advisory:** After talking with waterboard and some other locals, it seems like they remove advisories after two tests under 100 (instead of waiting for the average to come down). I think for now, this may not be a bad start. Annoyingly, the EPA guidance is very clear about when to put up signage, but lacks a lot of details on when to remove the signage. We are learning more each day though, so we may find a better answer soon.
- **Where to test:** You had mentioned earlier the issue with testing location. The guidance does say that we should have two samples in the most used spots, and they had recommended this in the last guidance. I think it would be better to start doing it this way. Would it be possible for Ashley and I to come out and see the sampling process? I'm sure you all are doing it great, but we are just trying to get the big picture on how this all works.

Otherwise, we can talk with Erik when he gets back and really iron this stuff out.

-Jarett

From: Shane Romain <shane.romain@Chicoca.gov>

Sent: Tuesday, July 1, 2025 11:37 AM

To: Erik Gustafson <erik.gustafson@Chicoca.gov>; Beaudoin, Jarett <jbeaudoin@buttecounty.net>; Skyler Lipski <skyler.lipski@Chicoca.gov>

Subject: RE: Sycamore Pool Signs

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Hi,

Just got the results from yesterday's test. We are headed in the right direction.

CITY OF CHICO SYCAMORE POOL COLIFORM TESTS - 2025

Please be advised, every lake, stream or creek can have bacteria including E. coli, a natural bacteria that lives in the intestines of animals. There are hundreds of strains of E. coli and only a few of them cause disease or sickness. Water quality conditions can change quickly. Follow healthy water habits such as do not swallow water, wash hands, shower and/or towel dry after water contact. Do not swim if you are sick or have open cuts or sores.

THRESHOLD: E coli >320 MPN/ml (Advisory Signs - no pool closure)

N/A

Not available - E. Coli results only

UPSTREAM OF POOL (EAST)			
Sample Date	Total Coliform (MPN/100 ml)	Fecal Coliform (MPN/100 ml)	E. Coli (MPN/100 ml)
1/7/25	980	79	64
2/11/25	1600	46	28
3/4/25	613	49	39
4/8/25	920	11	11
5/6/25	>2419	920	308
5/14/25	>2419	170	194
5/20/25	1986	240	248
5/27/25	>2419	130	144
6/3/25	>2419	220	219
6/10/25	>2419	540	248
6/17/25	>2419	350	194
6/24/25	>2419	N/A	153
6/30/25	>2419	N/A	104

DOWNSTREAM (a)	
Total Coliform (MPN/100 ml)	C (M)
1203	
1600	
920	
1600	
>2419	
>2419	
1733	
>2419	
>2419	
>2419	
1986	
>2419	
>2419	



Shane Romain

Park and Natural Resources Manager

Public Works, O&M

(530) 896-7831 Direct | (530) 896-7800 Main Office

[Website](#) | [Contact Us](#) | [PALS Volunteer Program](#)

From: Erik Gustafson <erik.gustafson@Chicoca.gov>

Sent: Monday, June 30, 2025 2:51 PM

To: Shane Romain <shane.romain@Chicoca.gov>; JBeaudoin@buttecounty.net; Skyler Lipski <skyler.lipski@Chicoca.gov>

Subject: FW: Sycamore Pool Signs

Hi Guy's-

Just jumped online here and catching up. Shane, do we have test results back yet from last Tuesday?

Jarett, I'm reluctant to put those swimming advisory signs up based on the large difference between the geometric mean that sets it at 100 CFUs per 100ml vs the 320 CFU option. Those are two very different thresholds and I don't understand why one or the other are being recommended. If you recommend the GM at 100 then we'll comply, but the other option of 320 puts us within range. Can you clarify the difference?

Know that the attached sign basically says no swimming during triple digits temperatures and the 4th of July weekend. We'll need to be ready for an onslaught of media attention....

Thanks,

Erik Gustafson

Director, Public Works O&M
(530) 894-4202 Office

From: Beaudoin, Jarett <JBeaudoin@buttecounty.net>
Sent: Monday, June 30, 2025 11:23 AM
To: Skyler Lipski <skyler.lipski@Chicoca.gov>
Cc: Erik Gustafson <erik.gustafson@Chicoca.gov>
Subject: Sycamore Pool Signs

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Hey Skyler,

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Because of this, **we need to put up signs advising the public of the levels and to recommend against swimming**. I've attached our Swimming Advisory that you can use instead of the one placed this weekend.

I'm meeting with the City Manager to update him this afternoon because we need to discuss next steps, so will have more info for you later. If Public Works would like to expedite things, you all can bump up testing to daily to see if the levels come down with less swimming and the encampment cleared upstream. That way if the levels were high only for that reason we can return to swimming sooner than if you continued weekly testing only.

Let me know if you have any questions!
-Jarett

Jarett Beaudoin, M.D., M.P.H.
Public Health Officer
[BUTTE COUNTY PUBLIC HEALTH](#)
[202 Mira Loma Drive | Oroville, CA 95965](#)
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Beaudoin, Jarett

From: Beaudoin, Jarett
Sent: Tuesday, July 1, 2025 12:00 PM
To: Shane Romain; Erik Gustafson; Skyler Lipski
Cc: Wais, Ashley
Subject: Re: Sycamore Pool Signs
Attachments: BCPH Sycamore Guidance 2017.pdf

Amazing! Cc'ing our Epidemiologist Ashley who has been working a lot with the water data. A couple thoughts:

- **Removing Advisory:** After talking with waterboard and some other locals, it seems like they remove advisories after two tests under 100 (instead of waiting for the average to come down). I think for now, this may not be a bad start. Annoyingly, the EPA guidance is very clear about when to put up signage, but lacks a lot of details on when to remove the signage. We are learning more each day though, so we may find a better answer soon.
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THRESHOLD: *E. coli* >320 MPN/ml (Advisory Signs - no pool closure)

N/A

Not available - *E. Coli* results only

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Shane Romain

Park and Natural Resources Manager

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T: 530.552.4000

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Beaudoin, Jarett

From: Beaudoin, Jarett
Sent: Monday, June 30, 2025 8:27 PM
To: McSpadden, Elaine
Subject: Re: Butte County Health Inquiry- Waterborne Illness-OEHHA Referral
Attachments: ecoli_sycamore.jpg

I agree... I think if we can't find a source and we are stuck with high E.Coli forever than we just put up an advisory.

Interestingly, Public Works for Chico discovered old signs at the pool that have hinges allowing them to easily open and shut them when there is bacteria. Seems like this has happened so much in the past that someone decided to make this...

-Jarett

From: McSpadden, Elaine <emcspadden@buttecounty.net>
Sent: Monday, June 30, 2025 9:19 AM
To: Beaudoin, Jarett <JBeaudoin@buttecounty.net>
Subject: FW: Butte County Health Inquiry- Waterborne Illness-OEHHA Referral

I like the idea of using an advisory, like the attached word document, for Sycamore Pool, maybe a constant advisory would be more effective timed advisories based on monitoring?

Elaine McSpadden, MS, REHS
Environmental Health Division Director
[BUTTE COUNTY PUBLIC HEALTH](#)
[202 Mira Loma Drive | Oroville, CA 95965](#)
T: 530.552.3865 | F: 530.538.5339

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From: Lamba, Katherine@CDPH <Katherine.Lamba@cdph.ca.gov>
Sent: Friday, June 27, 2025 5:06 PM
To: Stainken, Cameron@CDPH <Cameron.Stainken@cdph.ca.gov>; Beaudoin, Jarett <jbeaudoin@buttecounty.net>; Murphy, Shannon@OEHHA <Shannon.Murphy@oehha.ca.gov>; Higa, Jeffrey@CDPH <Jeffrey.Higa@cdph.ca.gov>; Weinstein, Eva@CDPH <Eva.Weinstein@cdph.ca.gov>
Cc: McSpadden, Elaine <emcspadden@buttecounty.net>; Wais, Ashley <AWais@buttecounty.net>; Smith, Wesley@OEHHA <Wesley.Smith@oehha.ca.gov>; Kraushaar, Vit@CDPH <Vit.Kraushaar@cdph.ca.gov>
Subject: RE: Butte County Health Inquiry- Waterborne Illness-OEHHA Referral

ATTENTION: This message originated from outside **Butte County**. Please exercise judgment before opening attachments, clicking on links, or replying.

Hi all,

Sharing a few of the communications from the Nevada County/Lake Wildwood investigation if needed. If you all want to check back in next week (Tuesday?), please send along some time slots that would work for your team.

Thank you and have a good weekend,

Kat

Katherine Lamba, MPH (she/her)
California Department of Public Health
Phone: 510-620-3429 | Email: Katherine.Lamba@cdph.ca.gov

Confidential - Low

From: Stainken, Cameron@CDPH <Cameron.Stainken@cdph.ca.gov>
Sent: Friday, June 27, 2025 3:32 PM
To: Beaudoin, Jarrett <jbeaudoin@buttecounty.net>; Murphy, Shannon@OEHHA <Shannon.Murphy@oehha.ca.gov>; Higa, Jeffrey@CDPH <Jeffrey.Higa@cdph.ca.gov>; Weinstein, Eva@CDPH <Eva.Weinstein@cdph.ca.gov>; Lamba, Katherine@CDPH <Katherine.Lamba@cdph.ca.gov>
Cc: McSpadden, Elaine <emcspadden@buttecounty.net>; Wais, Ashley <AWais@buttecounty.net>; Smith, Wesley@OEHHA <Wesley.Smith@oehha.ca.gov>; Kraushaar, Vit@CDPH <Vit.Kraushaar@cdph.ca.gov>
Subject: RE: Butte County Health Inquiry- Waterborne Illness-OEHHA Referral

Great! Sending an invite now, feel free to forward as needed.

Confidential - Low

From: Beaudoin, Jarrett <JBeaudoin@buttecounty.net>
Sent: Friday, June 27, 2025 3:31 PM
To: Murphy, Shannon@OEHHA <Shannon.Murphy@oehha.ca.gov>; Stainken, Cameron@CDPH <Cameron.Stainken@cdph.ca.gov>; Higa, Jeffrey@CDPH <Jeffrey.Higa@cdph.ca.gov>; Weinstein, Eva@CDPH <Eva.Weinstein@cdph.ca.gov>; Lamba, Katherine@CDPH <Katherine.Lamba@cdph.ca.gov>
Cc: McSpadden, Elaine <emcspadden@buttecounty.net>; Wais, Ashley <AWais@buttecounty.net>; Smith, Wesley@OEHHA <Wesley.Smith@oehha.ca.gov>; Kraushaar, Vit@CDPH <Vit.Kraushaar@cdph.ca.gov>
Subject: Re: Butte County Health Inquiry- Waterborne Illness-OEHHA Referral

I can jump on at 4:00!

-Jarrett

Jarrett Beaudoin
Public Health Officer
Butte County Public Health

From: Murphy, Shannon@OEHHA <Shannon.Murphy@oehha.ca.gov>
Sent: Friday, June 27, 2025 3:24:22 PM

To: Stainken, Cameron@CDPH <Cameron.Stainken@cdph.ca.gov>; Higa, Jeffrey@CDPH <Jeffrey.Higa@cdph.ca.gov>; Weinstein, Eva@CDPH <Eva.Weinstein@cdph.ca.gov>; Lamba, Katherine@CDPH <Katherine.Lamba@cdph.ca.gov>
Cc: Beaudoin, Jarett <jbeaudoin@buttecounty.net>; McSpadden, Elaine <emcspadden@buttecounty.net>; Wais, Ashley <AWais@buttecounty.net>; Smith, Wesley@OEHHA <Wesley.Smith@oehha.ca.gov>; Kraushaar, Vit@CDPH <Vit.Kraushaar@cdph.ca.gov>
Subject: RE: Butte County Health Inquiry- Waterborne Illness-OEHHA Referral

ATTENTION: This message originated from outside **Butte County**. Please exercise judgment before opening attachments, clicking on links, or replying.

Thanks so much!

Dr. Beaudoin- feel free to respond directly and schedule a call that works for you.

Cheers,

Shannon R. Murphy, Ph.D.

Staff Toxicologist
Fish, Ecotoxicology, and Water Section
shannon.murphy@oehha.ca.gov
916.322.8365

Office of Environmental Health Hazard Assessment
California Environmental Protection Agency
1001 I St., MS-12B, PO Box 4010, Sacramento, CA 95814

Please note: OEHHA is subject to the California Public Records Act. E-mail communications with OEHHA staff are not confidential and may be produced to members of the public upon request.

From: Stainken, Cameron@CDPH <Cameron.Stainken@cdph.ca.gov>

Sent: Friday, June 27, 2025 3:15 PM

To: Murphy, Shannon@OEHHA <Shannon.Murphy@oehha.ca.gov>; Higa, Jeffrey@CDPH <Jeffrey.Higa@cdph.ca.gov>; Weinstein, Eva@CDPH <Eva.Weinstein@cdph.ca.gov>; Lamba, Katherine@CDPH <Katherine.Lamba@cdph.ca.gov>

Cc: Beaudoin, Jarett <jbeaudoin@buttecounty.net>; McSpadden, Elaine <emcspadden@buttecounty.net>; Wais, Ashley <AWais@buttecounty.net>; Murphy, Shannon@OEHHA <Shannon.Murphy@oehha.ca.gov>; Smith, Wesley@OEHHA <Wesley.Smith@oehha.ca.gov>; Kraushaar, Vit@CDPH <Vit.Kraushaar@cdph.ca.gov>

Subject: RE: Butte County Health Inquiry- Waterborne Illness-OEHHA Referral

EXTERNAL:

Hi Shannon and Dr. Beaudoin,

Happy to help with this situation! Would a 3:30 or 4PM call work for everyone to discuss prior to the weekend? We can also touch base again on Monday for any loose ends.

Thanks!
Cameron

Cameron Stainken MD, MSc, MPH

Public Health Medical Officer
Infectious Diseases Branch
California Department of Public Health
Cameron.stainken@cdph.ca.gov

Confidential - Low

From: Murphy, Shannon@OEHHA <Shannon.Murphy@oehha.ca.gov>

Sent: Friday, June 27, 2025 2:36 PM

To: Stainken, Cameron@CDPH <Cameron.Stainken@cdph.ca.gov>; Higa, Jeffrey@CDPH <Jeffrey.Higa@cdph.ca.gov>; Weinstein, Eva@CDPH <Eva.Weinstein@cdph.ca.gov>

Cc: Beaudoin, Jarett <jbeaudoin@buttecounty.net>; McSpadden, Elaine <emcspadden@buttecounty.net>; Wais, Ashley <AWais@buttecounty.net>; Murphy, Shannon@OEHHA <Shannon.Murphy@oehha.ca.gov>; Smith, Wesley@OEHHA <Wesley.Smith@oehha.ca.gov>

Subject: Butte County Health Inquiry- Waterborne Illness-OEHHA Referral

Importance: High

Good afternoon, Dr. Stainken and Team:

I am reaching out for your assistance with a somewhat urgent inquiry from our colleagues at Butte County Health. ***Two reported E.coli infection related hemolytic uremic syndrome cases in children*** are under investigation with a suspected waterborne connection. Given this, I suggested that Butte County speak with you and your team.

You may recall that I worked a potential HAB-related illness case in cooperation with Butte County last summer (during the Shigellosis outbreak) that turned out to be a mild E.coli-related illness, and they reached out for assistance with the current human illness concerns.

In anticipation of the upcoming independence Day holiday, your timely guidance would be greatly appreciated.

Waterborne Health Concern- Butte County

- Butte County Local Health Officer **Dr. Jarett Beaudoin** (*cc'd on this correspondence*) is seeking guidance on informing health-based decisions regarding management of a City of Chico-managed swimming area, known as [Sycamore Pool](#), on a natural stream system (Big Chico Creek) experiencing elevated and persistent E.coli levels.
 - Sycamore pool is a high-use recreational swimming area with a history of elevated E.coli levels that exceed surface water guidance thresholds.
- Butte County has ***two reported E.coli infection related hemolytic uremic syndrome cases in children***. Sycamore Pool swimming area is the currently suspected exposure source.
- Butte County is in contact with the Central Valley Regional Water Quality Control Board (Region 5) regarding the surface water quality standard, supporting documentation and interpretation of the relevant thresholds.

Request of CDPH

- Dr. Beaudoin requests your input on any experience CDPH may have with implementing health-based actions to limit or manage potential exposure. More specifically, information any case examples that outline how other counties may have responded to similar circumstances, including guidance on swimming area closures, health advisory signage, and public communication efforts would be most appreciated.

Please accept this communication as a joint introduction between CDPH and Dr. Beaudoin of Butte County Health. If I can be of further assistance, please do not hesitate to reach out.

Thank you for your continued collegial support and collaboration with our shared public health efforts.

Best,

Shannon R. Murphy, Ph.D.

Staff Toxicologist

Fish, Ecotoxicology, and Water Section

shannon.murphy@oehha.ca.gov

916.322.8365

Office of Environmental Health Hazard Assessment

California Environmental Protection Agency

1001 I St., MS-12B, PO Box 4010, Sacramento, CA 95814

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Beaudoin, Jarett

From: Beaudoin, Jarett
Sent: Monday, June 30, 2025 8:15 PM
To: Soderstrom, Monica; Almaguer, Lisa
Subject: Re: [Heads Up] QR Code Phishing is Getting More Stealthy Fast

This is great. Now the hard part... when/how do we reopen...

A question for later!

-Jarett

From: Soderstrom, Monica <msoderstrom@buttecounty.net>
Sent: Monday, June 30, 2025 5:04 PM
To: Almaguer, Lisa <LAlmaguer@buttecounty.net>; Beaudoin, Jarett <JBeaudoin@buttecounty.net>
Subject: RE: [Heads Up] QR Code Phishing is Getting More Stealthy Fast

Thank you both for your communication and partnership with the City of Chico on this messaging.

Monica Soderstrom, RN, PHN
Public Health Director
[BUTTE COUNTY PUBLIC HEALTH](#)
[202 Mira Loma Drive | Oroville, CA 95965](#)
T: 530.552.4000 | D: [530.552.3930](#) |

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[FACEBOOK](#) | [TWITTER](#)

From: Almaguer, Lisa <LAlmaguer@buttecounty.net>
Sent: Monday, June 30, 2025 4:52 PM
To: Soderstrom, Monica <msoderstrom@buttecounty.net>; Beaudoin, Jarett <JBeaudoin@buttecounty.net>
Subject: Fw: [Heads Up] QR Code Phishing is Getting More Stealthy Fast

Attached is the City's press release, which includes our quote.

Lisa

Get [Outlook for iOS](#)

From: Miranda Bowersox <Miranda.Bowersox@chicoca.gov>
Sent: Monday, June 30, 2025 4:35:14 PM
To: Almaguer, Lisa <LAlmaguer@buttecounty.net>
Subject: RE: [Heads Up] QR Code Phishing is Getting More Stealthy Fast

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Hi Lisa,

Here's the draft, can you please add your logo? Thank you.

Miranda



Miranda Bowersox

Management Analyst / Public Information Officer
City of Chico, City Manager's Office
411 Main Street / P.O. Box 3420
Chico, CA 95928 / 95927
(530) 896-7209

From: Almaguer, Lisa <LAlmaguer@buttecounty.net>
Sent: Monday, June 30, 2025 4:20 PM
To: Miranda Bowersox <Miranda.Bowersox@chicoca.gov>
Subject: RE: [Heads Up] QR Code Phishing is Getting More Stealthy Fast

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Ah, ok. I was not aware of that.

Here you go:

“Butte County Public Health supports the City of Chico’s **decision to issue a swim advisory for Sycamore Pool** following the discovery of elevated bacteria levels. Protecting the health of our community is a top priority, and we will continue to work closely with the City to monitor conditions and help ensure the safety of this valued recreational space. We remind residents to respect any swimming advisory signs posted in the area and to always take steps to prevent waterborne illness when enjoying natural waterways. These environments are dynamic and can change quickly, so it’s important to stay aware and protect yourself and your family when swimming or recreating,” explained Dr. Jarett Beaudoin, Butte County Public Health Officer.

Residents who suspect that they’ve been infected with a waterborne illness should contact their healthcare provider. They may also call and report their illness to Butte County Public Health at: 530-552-3929.

Lisa Almaguer

Public Information Officer
[BUTTE COUNTY PUBLIC HEALTH](#)
[2080 E 20th Street, Suite 180 | Chico, CA 95928](#)
T: 530.552.4000 | D: [530.552.4041](tel:530.552.4041)

Nationally Accredited since 09/13/17

[FACEBOOK](#) | [TWITTER \(X\)](#) | [INSTAGRAM](#) | [YOUTUBE](#)

From: Miranda Bowersox <Miranda.Bowersox@chicoca.gov>
Sent: Monday, June 30, 2025 4:16 PM
To: Almaguer, Lisa <LAlmaguer@buttecounty.net>
Subject: RE: [Heads Up] QR Code Phishing is Getting More Stealthy Fast

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When we spoke with Dr. Beaudoin we discussed an advisory, not a closure. I want to be sure we are on the same page. Closure wasn't a term that was mentioned in our discussion.

Miranda



Miranda Bowersox
Management Analyst / Public Information Officer
City of Chico, City Manager's Office
411 Main Street / P.O. Box 3420
Chico, CA 95928 / 95927
(530) 896-7209

From: Almaguer, Lisa <LAlmaguer@buttecounty.net>
Sent: Monday, June 30, 2025 3:39 PM
To: Miranda Bowersox <Miranda.Bowersox@chicoca.gov>
Subject: RE: [Heads Up] QR Code Phishing is Getting More Stealthy Fast

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Here's our statement, along with what people should do if they think they have a waterborne illness.

"Butte County Public Health supports the City of Chico's decision to temporarily close Sycamore Pool following the discovery of elevated bacteria levels. Protecting the health of our community is a top priority, and we will continue to work closely with the City to monitor conditions and help ensure the safety of this valued recreational space. We remind residents to respect any swimming advisory signs posted in the area and to always take steps to prevent waterborne illness when enjoying natural waterways. These environments are dynamic and can change quickly, so it's important to stay aware and protect yourself and your family when swimming or recreating," explained Dr. Jarett Beaudoin, Butte County Public Health Officer.

Residents who suspect that they've been infected with a waterborne illness should contact their healthcare provider. They may also call and report their illness to Butte County Public Health at: 530-552-3929.

If you can shoot me a draft of the final press release before it goes out, that would be great.

Thank you!

Lisa Almaguer

Public Information Officer

[BUTTE COUNTY PUBLIC HEALTH](#)

[2080 E 20th Street, Suite 180 | Chico, CA 95928](#)

T: 530.552.4000 | D: [530.552.4041](#)

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From: Miranda Bowersox <Miranda.Bowersox@chicoca.gov>

Sent: Monday, June 30, 2025 2:45 PM

To: Almaguer, Lisa <LAlmaguer@buttecounty.net>

Subject: RE: [Heads Up] QR Code Phishing is Getting More Stealthy Fast

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Miranda Bowersox

Management Analyst / Public Information Officer

City of Chico, City Manager's Office

411 Main Street / P.O. Box 3420

Chico, CA 95928 / 95927

(530) 896-7209

From: Almaguer, Lisa <LAlmaguer@buttecounty.net>

Sent: Monday, June 30, 2025 2:44 PM

To: Miranda Bowersox <Miranda.Bowersox@chicoca.gov>

Subject: RE: [Heads Up] QR Code Phishing is Getting More Stealthy Fast

ATTENTION: This message originated from outside **City of Chico**. Please exercise judgment before opening attachments, clicking on links, or replying. Please report any suspicious emails with the Phishing Alert Button in Outlook or forward the email to phishing@chicoca.gov

Great!

Sure thing on the press release. If you can work up a draft with the City's new water update and announcement of pool closure, I will provide a statement from Dr. Beaudoin in support of the City's decision.

Lisa

Lisa Almaguer

Public Information Officer

[BUTTE COUNTY PUBLIC HEALTH](#)

[2080 E 20th Street, Suite 180 | Chico, CA 95928](#)

T: 530.552.4000 | D: [530.552.4041](#)

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From: Miranda Bowersox <Miranda.Bowersox@chicoca.gov>

Sent: Monday, June 30, 2025 2:41 PM

To: Almaguer, Lisa <LAlmaguer@buttecounty.net>

Subject: RE: [Heads Up] QR Code Phishing is Getting More Stealthy Fast

ATTENTION: This message originated from outside **Butte County**. Please exercise judgment before opening attachments, clicking on links, or replying.

Miranda



Miranda Bowersox

Management Analyst / Public Information Officer

City of Chico, City Manager's Office

411 Main Street / P.O. Box 3420

Chico, CA 95928 / 95927

(530) 896-7209

From: Almaguer, Lisa <LAlmaguer@buttecounty.net>

Sent: Monday, June 30, 2025 2:36 PM

To: Mark Sorensen <Mark.Sorensen@chicoca.gov>; Beaudoin, Jarett <JBeaudoin@buttecounty.net>

Cc: Soderstrom, Monica <msoderstrom@buttecounty.net>; Miranda Bowersox <Miranda.Bowersox@chicoca.gov>

Subject: RE: [Heads Up] QR Code Phishing is Getting More Stealthy Fast

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I have attached the Swimming Advisory without the QR code if you decide to post it.

Thank you!

Lisa Almaguer

Public Information Officer

[BUTTE COUNTY PUBLIC HEALTH](#)

[2080 E 20th Street, Suite 180 | Chico, CA 95928](#)
T: 530.552.4000 | D: [530.552.4041](#)

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From: Mark Sorensen <Mark.Sorensen@chicoca.gov>

Sent: Monday, June 30, 2025 2:31 PM

To: Beaudoin, Jarett <JBeaudoin@buttecounty.net>

Cc: Soderstrom, Monica <msoderstrom@buttecounty.net>; Almaguer, Lisa <LAlmaguer@buttecounty.net>; Miranda Bowersox <Miranda.Bowersox@chicoca.gov>

Subject: Fw: [Heads Up] QR Code Phishing is Getting More Stealthy Fast

ATTENTION: This message originated from outside **Butte County**. Please exercise judgment before opening attachments, clicking on links, or replying.

Jarett:

Thanks for the time and information today.

As we discussed, unfortunately, use of QR codes can be problematic, particularly when placed in areas where they can be compromised.

From: Mark Sorensen

Sent: Tuesday, April 8, 2025 8:36 AM

To: All Department Heads <all-department-heads@chicoca1.onmicrosoft.com>

Subject: FW: [Heads Up] QR Code Phishing is Getting More Stealthy Fast

Wanted to be sure that careful consideration is given to the security risks in the use of QR codes.

QR codes have a potential for use when we have complete control over the code from its placement to the end user, but as users of a QR code we should be aware of the security risks before using them, particularly in public areas, and our staff should be appropriately cautious about using a QR code if there is any doubt as to its legitimacy.

FBI Warning

<https://www.fbi.gov/contact-us/field-offices/el Paso/news/fbi-tech-tuesday-building-a-digital-defense-against-qr-code-scams>

Federal Trade Commission

<https://consumer.ftc.gov/consumer-alerts/2023/12/scammers-hide-harmful-links-qr-codes-steal-your-information>

Others

<https://www.csoonline.com/article/569957/how-attackers-exploit-qr-codes-and-how-to-mitigate-the-risk.html>

From: newsletter@cyberheistnews.knowbe4.com <newsletter@cyberheistnews.knowbe4.com>

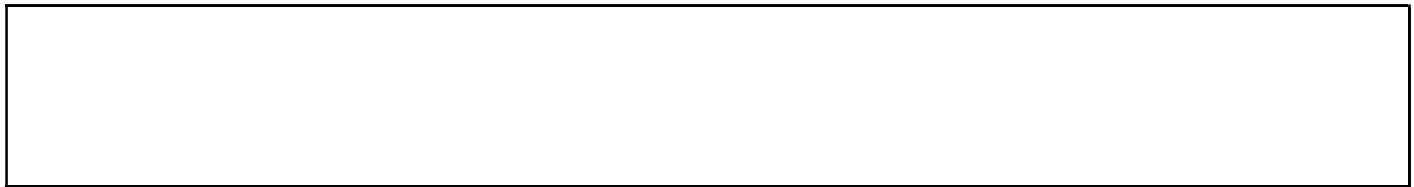
Sent: Tuesday, April 8, 2025 7:46 AM

To: Mark Sorensen <Mark.Sorensen@chicoca.gov>

Subject: [Heads Up] QR Code Phishing is Getting More Stealthy Fast

How Cybercriminals Use Humor to Spread Malware. The New SmartRisk Agent™ and Risk Score v2 Guide

Email not displaying? | [View Knowbe4 B](#)



CyberheistNews Vol 15 #14 | April 8th, 2025

[Heads Up] QR Code Phishing is Getting More Stealthy Fast

Attackers are using new tactics in QR code phishing (quishing) attacks, according to researchers at Palo Alto Networks' Unit 42.

Quishing attacks hide phishing URLs within QR codes, allowing them to more easily evade security filters and trick the user into opening the link on their phone.

"One tactic involves attackers concealing the final phishing destination using legitimate websites' redirection mechanisms," Unit 42 says. "Another tactic involves attackers adopting Cloudflare Turnstile for user verification, enabling them to evade security crawlers and convincingly redirect targets to a login page.

"We found that some of these phishing sites are specifically targeting the credentials of particular victims, suggesting pre-attack reconnaissance." URL redirection makes the attack harder to detect when used with a QR code, since users will only be able to see a portion of the link preview when they scan the code.

"By using URL redirection, attackers can surreptitiously redirect users to malicious websites while masking the true destination of the phishing link," the researchers explain. "This method of URL redirection for phishing has been prevalent for years. Therefore, many people are taught to carefully examine the full URL to avoid clicking on phishing links.

"However, when the URL is accessed via a QR code, people can only view the domain name through their smart device's camera application, making suspicious URLs more likely to appear legitimate."

The use of Cloudflare Turnstile helps the phishing campaigns avoid detection by security firms. Turnstile is a legitimate service that verifies that a user is a human. Attackers are abusing the service to block security crawlers from flagging their phishing infrastructure.

"These evolving tactics challenge both security detection mechanisms and user awareness," Unit 42 concludes. "Attackers' increasing use of QR codes in phishing highlights the need for improved security awareness training and technical solutions that can detect and block these threats."

KnowBe4 empowers your workforce to make smarter security decisions every day. Over 70,000 organizations worldwide trust the KnowBe4 platform to strengthen their security culture and reduce human risk.

Blog post with links:

<https://blog.knowbe4.com/warning-qr-code-phishing-is-evolving>

Taming the Hacker Storm: Your Framework for Defeating Cybercriminals and Malware

Are you ready to turn the tables on cybercriminals and their malicious minions? Forget those so-called "next-gen" solutions that barely make a dent — it's time for a revolution in cybersecurity that will send hackers running for the hills!

Join us for this webinar as Roger A. Grimes, KnowBe4's Data-Driven Defense Evangelist and cyber-visionary, unveils a groundbreaking framework that could change the face of internet security forever. Drawing from his latest book, "Taming the Hacker Storm: A Framework for Defeating Hackers and Malware,"

Roger will take you on a thrilling journey and real-world approach to a future where cybercrime is on its last legs.

In this webinar, you'll discover:

- The shocking truth behind the internet's Achilles' heel — and how we can fortify it
- A blueprint for a new internet ecosystem that will make hackers' heads spin
- Cutting-edge technologies and protocols that could be the silver bullet you've been waiting for
- Your role in the cyber revolution and how to become a hero in the fight against digital villains
- Why arming your team with this knowledge is the ultimate power move for your security culture

Tired of playing defense? It's time to go on the offensive! Join us for this mind-bending session and earn CPE credit while learning how to turn the tide in the cyber war.

Date/Time: **TOMORROW, Wednesday, April 9 @ 2:00 PM (ET)**

Save My Spot:

<https://info.knowbe4.com/taming-the-hacker-storm?partnerref=CHN2>

Malicious Memes: How Cybercriminals Use Humor to Spread Malware

By Erich Kron

Internet memes and viral content have become a universal language of online culture. They're easily shareable, often humorous and can spread rapidly across various platforms. However, this same virality and cultural resonance make memes an attractive vector for cybercriminals and threat actors.

Anatomy of a meme

Memes are nothing new and have been around for decades. In fact, a comic published in 1921 followed one of today's most common meme themes: 'Expectation vs. Reality.' By definition it could not be called a meme because there was no internet for people to spread it across, but the fact remains that basic humor is still recognizable over 100 years later.

The Threat: Memes as Malware Carriers

Modern cybercriminals are constantly innovating to evade traditional security measures. Unlike suspicious emails, attachments or software downloads, memes appear innocent and are widely shared across platforms like X (Twitter), Reddit, Facebook, Instagram and messaging apps such as WhatsApp. By embedding malicious code within these seemingly harmless images, attackers can bypass security filters and infect victims' devices.

[CONTINUED] Blog post with links and pictures:

<https://blog.knowbe4.com/malicious-memes-how-cybercriminals-use-humor-to-spread-malware>

[Live Demo] Stop Advanced Phishing Attacks with KnowBe4 Defend

Phishing attacks slipping through SEG detection have surged by 52% in the last year, with an increasing number bypassing Microsoft native security and legacy secure email gateways. This not only forces you and your IT team to spend hours configuring rules and monitoring quarantines but also leaves your organization vulnerable.

Join us for a live demo to see how to stop more advanced phishing attacks in your Microsoft 365 environment.

Get a look at how Defend helps you:

- Reduce data breach risks by detecting threats missed by M365 and SEGs
- Transform security awareness with color-coded banners, turning risks into teachable moments
- Empower employees to become cybersecurity advocates
- Free up admin resources through automated email security tasks
- Boost productivity by intelligently filtering graymail and spam

Find out how to enhance email security through the detection of advanced phishing attacks and the reduction of human error.

Date/Time: **Wednesday, April 16th @ 1:00 PM (ET)**

Save My Spot:

<https://info.knowbe4.com/defend-live-demo?partnerref=CHN>

[DID YOU KNOW?] FAQ: The New SmartRisk Agent™ and Risk Score v2 Guide

The SmartRisk Agent™ is KnowBe4's new Risk Score system that provides you with dynamic and actionable data for your organization's security posture. By tracking users' risk behaviors and trends over time, you can tailor your security training and policies effectively and focus on your riskiest or safest security areas.

The SmartRisk Agent calculates Risk Scores for individual users, groups and your organization as a whole. The calculation is based on risk factors or user events and behaviors. Risk factors include clicking phishing links, reporting phishing emails and complying with security policies.

Then, risk factors are categorized into security types. Risk factors can be active or inactive, showing you which user behaviors and user events are contributing to higher Risk Scores and which behaviors might indicate potential risk.

With these detailed insights, you can pinpoint specific risk areas in your organization and specific users that need additional support or security awareness training.

How are the seven security types in Risk Score v2 defined and calculated?

There are seven security types that represent different areas of user behavior and potential risk. Each security type contributes to a user's or an org's overall Risk Score. These security types aggregate user events and behaviors that are classified as risky, secure or mitigation. Here's a sample of each security type, along with how they are defined and calculated:

[CONTINUED AT]:

<https://support.knowbe4.com/hc/en-us/articles/40003728753171-FAQ-SmartRisk-Agent-and-Risk-Score-v2-Guide>

Got (Bad) Email? IT Pros Are Loving This Tool: Mailserver Security Assessment

With email still a top attack vector, do you know if hackers can get through your mail filters?

Email filters have an average 7-10% failure rate where enterprise email security systems missed spam, phishing and malware attachments.

KnowBe4's Mailserver Security Assessment (MSA) is a complimentary tool that tests your mailserver configuration by sending 40 different types of email message tests that check the effectiveness of your mail filtering rules.

Here's how it works:

- 100% non-malicious packages sent
- Select from 40 automated email message types to test against
- Saves you time! No more manual testing of individual email messages with MSA's automated send, test and result status
- Validate that your current filtering rules work as expected
- Results in an hour or less!

Find out now if your mailserver is configured correctly, many are not!

<https://info.knowbe4.com/mailserver-security-assessment-CHN>

New KnowBe4 | Vista Video

With cybersecurity threats evolving at an unprecedented pace, safeguarding your organization has never been more crucial. KnowBe4, a Vista portfolio company and one of the world's largest security awareness platforms, protects nearly 70,000 organizations by addressing the human element of cybersecurity.

Watch the video below, where Stu Sjouwerman, SACP, Founder and CEO of KnowBe4, and Michael Fosnaugh, Co-Head of the Flagship Fund and Senior Managing Director, discuss how KnowBe4 is revolutionizing cybersecurity by harnessing AI to combat increasingly sophisticated threats.

Check out this Video at LinkedIn and share it with your network:

<https://www.linkedin.com/feed/update/urn%3Ali%3Aactivity%3A7313277376518373376/?>

Let's stay safe out there.

Warm Regards,

Stu Sjouwerman, SACP

Founder and CEO

KnowBe4, Inc.

PS: Compliance Plus Library Reaches 800 Pieces of Content:

<https://blog.knowbe4.com/compliance-plus-library-reaches-800-pieces-of-content>

PPS: Your KnowBe4 Fresh Content Updates from March 2025:

<https://blog.knowbe4.com/knowbe4-content-updates-march-2025>

Quotes of the Week

"When a society loses its moral compass, it collapses from within."

- G.K. Chesterton

"Our prime purpose in this life is to help others. And if you can't help them, at least don't hurt them."
- Dalai Lama (born 1935)

Thanks for reading CyberheistNews

You can read CyberheistNews online at our Blog

<https://blog.knowbe4.com/cyberheistnews-vol-15-14-heads-up-qr-code-phishing-is-getting-more-stealthy-fa>

Security News

Most Phishing Emails Rely Purely on Social Engineering

99% of phishing emails that reached inboxes last year did not contain malware, according to a new report from Fortra. Attackers were much more successful using malicious links or purely response-based social engineering.

Fortra explains, "Anti-malware scanning, sandboxing and other pre-delivery security processes are increasingly common and make it more difficult for emails containing malware payloads to reach user inboxes. However, these methods are ineffective for detecting social engineering and credential theft attacks, which lack payloads."

The researchers also observed an increase in phishing messages that contained personal information about the targeted individual, making the attack much more persuasive.

"Fortra observed a growing trend of phishing attacks that incorporate personal information about the targeted user," the report says. "In these attacks, personal information pulled from public sources or leaked data is used to lend credibility to the scam."

"One example of this tactic is using a victim's leaked home address from a data breach to include images of their home, sourced from services like Google Street View. This is done to create a sense of fear and make the scam feel more convincing, rather than relying on a generic email."

Fortra predicts that attackers will continue to improve these types of personalized phishing attacks, especially as AI tools help streamline the process.

"The volume of personal information available on open sources and the dark web is immense, with more than 1 billion records breached in 2024 alone," the researchers write. "Cybercriminal data brokers aggregate and organize stolen data into bulk packages to anyone willing to pay the price."

"Email addresses are associated with a wide range of stolen information such as government identification numbers, employers, and service providers."

"Fortra expects cybercriminals to use this data to personalize attacks even further, utilizing information about individuals, their families, their co-workers, etc. Cybercriminals who specialize in whaling will use the data to profile high value victims and find weaknesses to exploit."

"Email threats of all kinds will become more personalized, making them harder to ignore and more convincing."

KnowBe4 empowers your workforce to make smarter security decisions every day. Over 70,000 organizations worldwide trust the KnowBe4 platform to strengthen their security culture and reduce human risk.

Blog post with links:

<https://blog.knowbe4.com/most-phishing-emails-rely-on-pure-social-engineering>

Q: Which Public Company CISO Got Sued By The SEC For A Data Breach?

A: In October 2023, the U.S. Securities and Exchange Commission (SEC) charged Timothy G. Brown, the Chief Information Security Officer (CISO) of SolarWinds, with fraud and internal control failures related to the company's cybersecurity practices and disclosures. The SEC alleged that from October 2018 through at least December 2020, SolarWinds and Brown misled investors by overstating the company's cybersecurity measures and failing to disclose known risks.

Specifically, the SEC claimed that Brown was aware of vulnerabilities but did not adequately address them or escalate the issues within the company.

However, in July 2024, a federal judge dismissed most of the SEC's claims against SolarWinds and Brown. The court ruled that the SEC's authority to regulate internal accounting controls does not extend to corporate cybersecurity controls and found that many of the alleged misstatements were non-actionable corporate puffery.

Nonetheless, the court allowed claims related to SolarWinds' "Security Statement" on its website to proceed, indicating that some allegations of misleading statements about cybersecurity practices were sufficiently plausible to warrant further examination.

This case underscores the increasing scrutiny on CISOs and the potential for personal liability in the realm of cybersecurity disclosures and practices.

What KnowBe4 Customers Say

"Hi Erin, I had to find your contact info so I could reach out and let you know how happy we are with personal support Ed K. has shown us over the course of our Knowbe4 journey. He is knowledgeable, friendly and willing to help.

"I have had a small lingering issue that he had a solution for, but being busy I would forget about scheduling time with Ed to resolve it. Ed took the time, more than once, to follow up and set up a time to get it fixed so my users would have a better experience.

"He could have easily ignored it since the ball was in my court, or pushed me off to tech support, but he took the time to make sure we were set up in the best possible way. I just wanted to recognize good customer service."

The 10 Interesting News Items This Week

1. **North Korean IT worker scam spreading to Europe after US law enforcement crackdown:**
<https://therecord.media/north-korean-it-worker-scam-spreads-to-europe>
2. **Hackers are now using AI to break AI - and it's working:**
<https://bgr.com/tech/hackers-are-now-using-ai-to-break-ai-and-its-working/>
3. **Russia-based RedCurl gang deploys ransomware for the first time:**
<https://www.bitdefender.com/en-us/blog/businessinsights/redcurl-qwcrypt-ransomware-technical-deep-dive>
4. **U.S. seized \$8.2 million in crypto linked to 'Romance Baiting' scams:**
<https://www.bleepingcomputer.com/news/cryptocurrency/us-seized-82-million-in-crypto-linked-to-romance-baiting-scams/>
5. **[CISO Series] This Security Control Is So Good We Don't Even Have to Turn It On:**
<https://cisoserries.com/security-control-is-so-good-we-dont-even-have-to-turn-it-on/>
6. **Gen Z's Rising Susceptibility to Social Engineering Attacks:**
<https://securityboulevard.com/2025/03/gen-zs-rising-susceptibility-to-social-engineering-attacks>
7. **Runway Gen-4 solves AI video's biggest problem: character consistency across scenes:**
<https://venturebeat.com/ai/runways-gen-4-ai-solves-the-character-consistency-challenge-making-ai-filmmaking-actually-useful/>
8. **Thousands Of AI-Generated and Deepfake Images Exposed in Unprotected Database Online**
<https://www.bitdefender.com/en-us/blog/hotforsecurity/thousands-of-ai-generated-and-deepfake-images-exposed-in-unprotected-database-online>
9. **Nearly 2 in 5 Financial Fraud Victims Lost Money in the Past Year:**
<https://www.bankrate.com/credit-cards/news/financial-fraud-survey/>
10. **New malware targets Android devices via social engineering:**
<https://www.threatfabric.com/blogs/exposing-crocodilus-new-device-takeover-malware-targeting-android-devices>

Cyberheist 'Fave' Links

This Week's Links We Like, Tips, Hints and Fun Stuff

- **Virtual Vaca #1 to New Mexico in 4K - Incredible Scenes & Hidden Gems:**
<https://youtu.be/oxLX5kHeLU0/>
- **Virtual Vaca #2 to Fiordland & Milford Sound (Things To Do + Tips):**
<https://youtu.be/iMFzIEw3ScQ>
- **Virtual Vaca #3 to Al Ula & Hegra, Saudi Arabia: Where Ancient History Meets Stunning Landscapes:**
<https://youtu.be/lfjJRteicJl>
- **Fastest Way From The Top Of Table Mountain To The Beach | Wingsuit Distance Flight:**
<https://youtu.be/eHodPcoVWC8>
- **Champions never miss:**
<https://youtu.be/j8Y0tMOT384>
- **The Most Popular Operating Systems: Animated Data from 1981 to 2025 - Must see!:**
<https://youtu.be/29qnXTw0qr0?si=fK50aroXPFQ5Y-Xz>
- **Human Population Through Time #datavisualization. FASCINATING hockeystick at the end**
https://youtu.be/PUwmA3Q0_OE?si=bfAUuLBPT601m7xF
- **Known for bringing art to life and bending reality, Vitaly leaves the audience and even Penn and Teller baffled once again:**
https://www.flixxy.com/impossible-painting-prediction-vitaly-fools-penn-and-teller-for-a-third-time.htm?utm_source=4
- **Best of the Month: Jaw-Dropping Feats That Defy Gravity:**
https://www.flixxy.com/best-of-the-month-jaw-dropping-feats-that-defy-gravity.htm?utm_source=4
- **The Largest Pinball Machine Collection - Guinness World Records:**
https://youtu.be/gL8_tq3bv5Q
- **Chris Harris on Cars: "I am being driven in a Waymo driverless car. Help!":**
<https://youtu.be/mXsAXObT7LQ>

- **For Da Kids #1 - Daring Ocean Rescue—He Walked a Plank to Save a Struggling Seagull:**
<https://youtu.be/WFpyLpzFcAg>
- **For Da Kids #2 - Cats Won't Let Family Leave The House Without Them:**
<https://youtu.be/YKN7lygyaGc>
- **For Da Kids #3- 15-Year Old Pig Loves To Swim In His Outdoor Pool Every Day!:**
<https://youtu.be/TbKolYq1HYg>
- **For Da Kids #4 - See How Denver Zoo's Giraffes React to LIVE Music from the Colorado Symphony:**
<https://youtu.be/VejREcj6hOA>
- **For Da Kids #5 - Tiny Kitten Randomly Jumped On A Skateboard, Now She Loves It:**
<https://youtu.be/4LiVqjNmfW4>

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■

Beaudoin, Jarett

From: Beaudoin, Jarett
Sent: Monday, June 30, 2025 3:40 PM
To: Erik Gustafson; Shane Romain; Skyler Lipski
Subject: Re: Sycamore Pool Signs

Hey guys,

Definitely. The 100 threshold is an average and the 320 is a single point to account for any spikes.

I think it's easier to think about it this way: **on average** recreational waters should be less than 100 CFU of bacteria in 100 mL of water. However, sometimes there are spikes in E.Coli where we don't want to wait to calculate an average. This lead to the creation of a second metric, the 320 CFU, to be the trigger if there is a single elevation that is high enough to be concerning.

Does that make sense? As I've done more digging, this is how many many counties manage their recreational water. At the moment, some of the Sacramento beaches have warnings in some areas, but not others based on these same thresholds. As they switch to daily testing and levels decrease, they can pull down the warning.

I just spoke to Mark about it and I believe is starting to coordinate the signage (he likely emailed someone on this thread).

Happy to answer any other questions.

-Jarett

From: Erik Gustafson <erik.gustafson@Chicoca.gov>
Sent: Monday, June 30, 2025 2:51 PM
To: Shane Romain <shane.romain@Chicoca.gov>; Beaudoin, Jarett <jbeaudoin@buttecounty.net>; Skyler Lipski <skyler.lipski@Chicoca.gov>
Subject: FW: Sycamore Pool Signs

ATTENTION: This message originated from outside **Butte County**. Please exercise judgment before opening attachments, clicking on links, or replying.

Hi Guy's-

Just jumped online here and catching up. Shane, do we have test results back yet from last Tuesday?

Jarett, I'm reluctant to put those swimming advisory signs up based on the large difference between the geometric mean that sets it at 100 CFUs per 100ml vs the 320 CFU option. Those are two very different thresholds and I don't understand why one or the other are being recommended. If you recommend the GM at 100 then we'll comply, but the other option of 320 puts us within range. Can you clarify the difference?

Know that the attached sign basically says no swimming during triple digits temperatures and the 4th of July weekend. We'll need to be ready for an onslaught of media attention....

Thanks,

Erik Gustafson

Director, Public Works O&M
(530) 894-4202 Office

From: Beaudoin, Jarett <JBeaudoin@buttecounty.net>
Sent: Monday, June 30, 2025 11:23 AM
To: Skyler Lipski <skyler.lipski@Chicoca.gov>
Cc: Erik Gustafson <erik.gustafson@Chicoca.gov>
Subject: Sycamore Pool Signs

ATTENTION: This message originated from outside **City of Chico**. Please exercise judgment before opening attachments, clicking on links, or replying. Please report any suspicious emails with the Phishing Alert Button in Outlook or forward the email to phishing@chicoca.gov

Hey Skyler,

Thanks for standing in while Erik is away. He likely briefed you, but it has come to our attention that Sycamore Pool's E.Coli levels are above the threshold set by Public Health in 2017, which were based on the California Water Board recommendations that came from the EPA. I've attached all three if you are interested.

Because of this, **we need to put up signs advising the public of the levels and to recommend against swimming**. I've attached our Swimming Advisory that you can use instead of the one placed this weekend.

I'm meeting with the City Manager to update him this afternoon because we need to discuss next steps, so will have more info for you later. If Public Works would like to expedite things, you all can bump up testing to daily to see if the levels come down with less swimming and the encampment cleared upstream. That way if the levels were high only for that reason we can return to swimming sooner than if you continued weekly testing only.

Let me know if you have any questions!
-Jarett

Jarett Beaudoin, M.D., M.P.H.

Public Health Officer

[BUTTE COUNTY PUBLIC HEALTH](#)
[202 Mira Loma Drive | Oroville, CA 95965](#)
T: 530.552.4000

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Beaudoin, Jarett

From: Beaudoin, Jarett
Sent: Monday, June 30, 2025 3:22 PM
To: Mark.Sorensen@chicoca.gov
Subject: Fw: Sycamore Pool Signs
Attachments: BCPH Sycamore Guidance 2017.pdf; EPA E.Coli Guidance 2021.pdf; State Waterboard Bacterial Guidance 2019.pdf; Swimming Advisory 2025.pdf

Hey Mark,

Here are the documents that I sent earlier to Public Works this AM.

Let me know if you need anything else and I'm sure we'll talk soon.

Jarett Beaudoin, M.D., M.P.H.

Public Health Officer

[BUTTE COUNTY PUBLIC HEALTH](#)

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From: Beaudoin, Jarett <JBeaudoin@buttecounty.net>
Sent: Monday, June 30, 2025 11:23 AM
To: skyler.lipski@chicoca.gov <skyler.lipski@chicoca.gov>
Cc: erik.gustafson@chicoca.gov <erik.gustafson@chicoca.gov>
Subject: Sycamore Pool Signs

Hey Skyler,

Thanks for standing in while Erik is away. He likely briefed you, but it has come to our attention that Sycamore Pool's E.Coli levels are above the threshold set by Public Health in 2017, which were based on the California Water Board recommendations that came from the EPA. I've attached all three if you are interested.

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-Jarett

Jarett Beaudoin, M.D., M.P.H.

Public Health Officer

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Beaudoin, Jarett

From: Beaudoin, Jarett
Sent: Monday, June 30, 2025 11:23 AM
To: skyler.lipski@chicoca.gov
Cc: erik.gustafson@chicoca.gov
Subject: Sycamore Pool Signs
Attachments: BCPH Sycamore Guidance 2017.pdf; EPA E.Coli Guidance 2021.pdf; State Waterboard Bacterial Guidance 2019.pdf; Swimming Advisory 2025.pdf

Hey Skyler,

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Let me know if you have any questions!
-Jarett

Jarett Beaudoin, M.D., M.P.H.
Public Health Officer
[BUTTE COUNTY PUBLIC HEALTH](#)
[202 Mira Loma Drive | Oroville, CA 95965](#)
T: 530.552.4000

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Beaudoin, Jarett

From: Beaudoin, Jarett
Sent: Monday, June 30, 2025 11:12 AM
To: Almaguer, Lisa; Cox, Erin; Blankenship, DeAnne; Soderstrom, Monica; Wais, Ashley; McSpadden, Elaine
Cc: Lefaver, Jennifer
Subject: Re: Sycamore Pool update

I'm sending it over to Erik's stand in, Sklyer Lypski, to print and put up (unless anyone has any reservations).

Let me know if you think we need to do any other media stuff. I kinda feel like we should let Action News know that we've changed our stance. I'm meeting with the City Manager at 2:15 to make sure we are all on the same page, so will have confirmation of the plan then- but I know that's a little late in the day.

-Jarett

From: Almaguer, Lisa <LAlmaguer@buttecounty.net>
Sent: Monday, June 30, 2025 11:09 AM
To: Beaudoin, Jarett <JBeaudoin@buttecounty.net>; Cox, Erin <ECox@buttecounty.net>; Blankenship, DeAnne <DBlankenship@buttecounty.net>; Soderstrom, Monica <msoderstrom@buttecounty.net>; Wais, Ashley <AWais@buttecounty.net>; McSpadden, Elaine <EMcspadden@buttecounty.net>
Cc: Lefaver, Jennifer <JLefaver@buttecounty.net>
Subject: RE: Sycamore Pool update

Great! Would you like to send this to them? Not sure if you were able to get a backup to Erik while he's out of the office. I reached out to the City Manager this morning (Mark S.) to confirm who my primary contact for PIO matters is at the City. He responded right away and said that it was Miranda.

Lisa Almaguer
Public Information Officer
[BUTTE COUNTY PUBLIC HEALTH](#)
[2080 E 20th Street, Suite 180 | Chico, CA 95928](#)
T: 530.552.4000 | D: [530.552.4041](#)

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From: Beaudoin, Jarett <JBeaudoin@buttecounty.net>
Sent: Monday, June 30, 2025 11:03 AM
To: Almaguer, Lisa <LAlmaguer@buttecounty.net>; Cox, Erin <ECox@buttecounty.net>; Blankenship, DeAnne <DBlankenship@buttecounty.net>; Soderstrom, Monica <msoderstrom@buttecounty.net>; Wais, Ashley <AWais@buttecounty.net>; McSpadden, Elaine <EMcspadden@buttecounty.net>
Cc: Lefaver, Jennifer <JLefaver@buttecounty.net>
Subject: Re: Sycamore Pool update

Lisa - this is exactly what they needed to put up! Thank you!

-Jarett

From: Almaguer, Lisa <LAlmaguer@buttecounty.net>

Sent: Monday, June 30, 2025 11:01 AM

To: Cox, Erin <ECox@buttecounty.net>; Blankenship, DeAnne <DBlankenship@buttecounty.net>; Beaudoin, Jarett <JBeaudoin@buttecounty.net>; Soderstrom, Monica <msoderstrom@buttecounty.net>; Wais, Ashley <AWais@buttecounty.net>; McSpadden, Elaine <EMcspadden@buttecounty.net>

Cc: Lefaver, Jennifer <JLefaver@buttecounty.net>

Subject: RE: Sycamore Pool update

Attached is the sign with added QR code.

Lisa Almaguer

Public Information Officer

[BUTTE COUNTY PUBLIC HEALTH](#)

[2080 E 20th Street, Suite 180 | Chico, CA 95928](#)

T: 530.552.4000 | D: [530.552.4041](tel:530.552.4041)

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From: Cox, Erin <ECox@buttecounty.net>

Sent: Monday, June 30, 2025 10:42 AM

To: Blankenship, DeAnne <DBlankenship@buttecounty.net>; Almaguer, Lisa <LAlmaguer@buttecounty.net>; Beaudoin, Jarett <JBeaudoin@buttecounty.net>; Soderstrom, Monica <msoderstrom@buttecounty.net>; Wais, Ashley <AWais@buttecounty.net>; McSpadden, Elaine <EMcspadden@buttecounty.net>

Cc: Lefaver, Jennifer <JLefaver@buttecounty.net>

Subject: Re: Sycamore Pool update

It looks good. I only have one suggestion to consider though that was also mentioned by the state is placing a QR code on the signage where people can get more information from.

This CDC site is generic enough about E.Coli but gives people some where to find information on the "bacteria" mentioned.

[About Escherichia coli Infection](#) | [E. coli infection](#) | [CDC](#)

They also shared this resource but I think it may be too specific so I would recommend the one from CDC...
[STEC Fact Sheet](#)

Erin Cox, MHS (Ret. FP-C, Paramedic) (she/her/hers)

Division Director

Emergency Preparedness and Infectious Disease Control (EPIC)

[BUTTE COUNTY PUBLIC HEALTH](#)
[2080 E20th Street Suite 180 Chico CA 95928](#)
M: 530.693.5674 F: 530.538.2165
ecox@buttecounty.net
<https://www.buttecounty.net/610/Public-Health>

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From: Blankenship, DeAnne <DBlankenship@buttecounty.net>
Sent: Monday, June 30, 2025 10:34
To: Almaguer, Lisa <LAlmaguer@buttecounty.net>; Beaudoin, Jarrett <JBeaudoin@buttecounty.net>; Soderstrom, Monica <msoderstrom@buttecounty.net>; Wais, Ashley <AWais@buttecounty.net>; McSpadden, Elaine <EMcspadden@buttecounty.net>; Cox, Erin <ECox@buttecounty.net>
Cc: Lefaver, Jennifer <JLefaver@buttecounty.net>
Subject: RE: Sycamore Pool update

Looks great to me!

DeAnne Blankenship, MPH, MCHES (she/her)

Assistant Director
dblankenship@buttecounty.net
[BUTTE COUNTY PUBLIC HEALTH](#)
[2080 E. 20th Street | Suite 180 | Chico, CA 95928](#)
T: 530.552.4000 | D: 530-552-3877

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From: Almaguer, Lisa <LAlmaguer@buttecounty.net>
Sent: Monday, June 30, 2025 9:55 AM
To: Beaudoin, Jarrett <JBeaudoin@buttecounty.net>; Blankenship, DeAnne <DBlankenship@buttecounty.net>; Soderstrom, Monica <msoderstrom@buttecounty.net>; Wais, Ashley <AWais@buttecounty.net>; McSpadden, Elaine <EMcspadden@buttecounty.net>; Cox, Erin <ECox@buttecounty.net>
Cc: Lefaver, Jennifer <JLefaver@buttecounty.net>
Subject: RE: Sycamore Pool update

Hello all,

I took the liberty of redesigning the Swimming Advisory for Sycamore Pool. This advisory uses the language found in the EPA document and provides more **visual caution cues** than the one designed last year. The primary message needs to be that swimming is not recommended. The secondary message is how to stay healthy around natural water.

This sign measures 8.5" x 14" (legal size) and should be easy for all to print, including the City.

Please let me know your thoughts. If this looks good, Jarett, would you like to share it with the City to replace the current notice?

Thanks!

Lisa

Lisa Almaguer

Public Information Officer

[BUTTE COUNTY PUBLIC HEALTH](#)

[2080 E 20th Street, Suite 180 | Chico, CA 95928](#)

T: 530.552.4000 | D: [530.552.4041](#)

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From: Beaudoin, Jarett <JBeaudoin@buttecounty.net>

Sent: Friday, June 27, 2025 4:55 PM

To: Blankenship, DeAnne <DBlankenship@buttecounty.net>; Soderstrom, Monica <msoderstrom@buttecounty.net>;

Wais, Ashley <AWais@buttecounty.net>; McSpadden, Elaine <EMcspadden@buttecounty.net>; Cox, Erin

<ECox@buttecounty.net>; Almaguer, Lisa <LAlmaguer@buttecounty.net>

Cc: Lefaver, Jennifer <JLefaver@buttecounty.net>

Subject: Re: Sycamore Pool update

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The city manager didn't leave me his number but I am trying to track it down (unless one of you have it).

Unfortunately I think this may be pushed to Monday.

Again- I'd love all of your smart opinions.

-Jarett

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Sent: Friday, June 27, 2025 4:45 PM
To: Soderstrom, Monica <msoderstrom@buttecounty.net>; Beaudoin, Jarett <JBeaudoin@buttecounty.net>; Wais, Ashley <AWais@buttecounty.net>; McSpadden, Elaine <EMcspadden@buttecounty.net>; Cox, Erin <ECox@buttecounty.net>; Almaguer, Lisa <LAlmaguer@buttecounty.net>
Cc: Lefaver, Jennifer <JLefaver@buttecounty.net>
Subject: RE: Sycamore Pool update

I concur- thank you Jarett for this background info. Did you learn anything new from the call with CDPH?

DeAnne Blankenship, MPH, MCHES (she/her)

Assistant Director

dblankenship@buttecounty.net

[BUTTE COUNTY PUBLIC HEALTH](#)

[2080 E. 20th Street | Suite 180 | Chico, CA 95928](#)

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Cc: Lefaver, Jennifer <JLefaver@buttecounty.net>; Blankenship, DeAnne <DBlankenship@buttecounty.net>
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Sincerely,

Monica Soderstrom, RN, PHN

Public Health Director

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Cc: Lefaver, Jennifer <JLefaver@buttecounty.net>; Blankenship, DeAnne <DBlankenship@buttecounty.net>

Subject: Re: Sycamore Pool update

Importance: High

Hello,

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With this information, I am leaning towards asking Chico City to put up signs **recommending against swimming** (similar to the last page of the EPA document) and start daily monitoring. We then will need to come up with a return-to-swim threshold, which so far we have not seen guidance on.

I would love your thoughts and happy to chat after my discussion with CDPH (4-4:30).

I am sorry that it is Friday.

-Jarett



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- However, if there is an intervention needed he believes the Water board could potentially help with/lead the enforcement.

Still pending a call back from Chico PW and CalEPA. Will update you all as I find out more info.

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Jarett Beaudoin, M.D., M.P.H.

Public Health Officer

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Beaudoin, Jarett

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To: Almaguer, Lisa; Cox, Erin; Blankenship, DeAnne; Soderstrom, Monica; Wais, Ashley; McSpadden, Elaine
Cc: Lefaver, Jennifer
Subject: Re: Sycamore Pool update

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Lisa - this is exactly what they needed to put up! Thank you!

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Cc: Lefaver, Jennifer <JLefaver@buttecounty.net>
Subject: RE: Sycamore Pool update

Attached is the sign with added QR code.

Lisa Almaguer
Public Information Officer
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T: 530.552.4000 | D: [530.552.4041](#)

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To: Blankenship, DeAnne <DBlankenship@buttecounty.net>; Almaguer, Lisa <LAlmaguer@buttecounty.net>; Beaudoin,

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They also shared this resource but I think it may be too specific so I would recommend the one from CDC...
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Erin Cox, MHS (Ret. FP-C, Paramedic) (she/her/hers)
Division Director
Emergency Preparedness and Infectious Disease Control (EPIC)
Public Health Laboratory

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Sent: Monday, June 30, 2025 10:34
To: Almaguer, Lisa <LAlmaguer@buttecounty.net>; Beaudoin, Jarett <JBeaudoin@buttecounty.net>; Soderstrom, Monica <msoderstrom@buttecounty.net>; Wais, Ashley <AWais@buttecounty.net>; McSpadden, Elaine <EMcspadden@buttecounty.net>; Cox, Erin <ECox@buttecounty.net>
Cc: Lefaver, Jennifer <JLefaver@buttecounty.net>
Subject: RE: Sycamore Pool update

Looks great to me!

DeAnne Blankenship, MPH, MCHES (she/her)
Assistant Director
dblankenship@buttecounty.net

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Hello all,

I took the liberty of redesigning the Swimming Advisory for Sycamore Pool. This advisory uses the language found in the EPA document and provides more **visual caution cues** than the one designed last year. The primary message needs to be that swimming is not recommended. The secondary message is how to stay healthy around natural water.

This sign measures 8.5" x 14" (legal size) and should be easy for all to print, including the City.

Please let me know your thoughts. If this looks good, Jarett, would you like to share it with the City to replace the current notice?

Thanks!
Lisa

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I concur- thank you Jarett for this background info. Did you learn anything new from the call with CDPH?

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From: Blankenship, DeAnne <DBlankenship@buttecounty.net>
Sent: Monday, June 30, 2025 10:34
To: Almaguer, Lisa <LAlmaguer@buttecounty.net>; Beaudoin, Jarett <JBeaudoin@buttecounty.net>; Soderstrom, Monica <msoderstrom@buttecounty.net>; Wais, Ashley <AWais@buttecounty.net>; McSpadden, Elaine <EMcspadden@buttecounty.net>; Cox, Erin <ECox@buttecounty.net>
Cc: Lefaver, Jennifer <JLefaver@buttecounty.net>
Subject: RE: Sycamore Pool update

Looks great to me!

DeAnne Blankenship, MPH, MCHES (she/her)
Assistant Director
dblankenship@buttecounty.net
[BUTTE COUNTY PUBLIC HEALTH](#)
[2080 E. 20th Street | Suite 180 | Chico, CA 95928](#)
T: 530.552.4000 | D: 530-552-3877

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From: Almaguer, Lisa <LAlmaguer@buttecounty.net>
Sent: Monday, June 30, 2025 9:55 AM
To: Beaudoin, Jarett <JBeaudoin@buttecounty.net>; Blankenship, DeAnne <DBlankenship@buttecounty.net>; Soderstrom, Monica <msoderstrom@buttecounty.net>; Wais, Ashley <AWais@buttecounty.net>; McSpadden, Elaine <EMcspadden@buttecounty.net>; Cox, Erin <ECox@buttecounty.net>
Cc: Lefaver, Jennifer <JLefaver@buttecounty.net>
Subject: RE: Sycamore Pool update

Hello all,

I took the liberty of redesigning the Swimming Advisory for Sycamore Pool. This advisory uses the language found in the EPA document and provides more **visual caution cues** than the one designed last year. The primary message needs to be that swimming is not recommended. The secondary message is how to stay healthy around natural water.

This sign measures 8.5" x 14" (legal size) and should be easy for all to print, including the City.

Please let me know your thoughts. If this looks good, Jarett, would you like to share it with the City to replace the current notice?

Thanks!
Lisa

Lisa Almaguer
Public Information Officer
[BUTTE COUNTY PUBLIC HEALTH](#)
[2080 E 20th Street, Suite 180 | Chico, CA 95928](#)
T: 530.552.4000 | D: [530.552.4041](tel:530.552.4041)

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From: Beaudoin, Jarett <JBeaudoin@buttecounty.net>
Sent: Friday, June 27, 2025 4:55 PM
To: Blankenship, DeAnne <DBlankenship@buttecounty.net>; Soderstrom, Monica <msoderstrom@buttecounty.net>; Wais, Ashley <AWais@buttecounty.net>; McSpadden, Elaine <EMcspadden@buttecounty.net>; Cox, Erin <ECox@buttecounty.net>; Almaguer, Lisa <LAlmaguer@buttecounty.net>
Cc: Lefaver, Jennifer <JLefaver@buttecounty.net>
Subject: Re: Sycamore Pool update

Its a great question.

The growing reality is that we are the only ones who actually care about the calculations. The calculations themselves are not hard (excel has a command for them). The waterboard just copied the requirements from EPA (see state waterboard guidance and cited EPA methods) without any intention of doing monitoring. CalEPA nor CDPH feel that they cannot speak to the science on the level thresholds. I think it will be very easy for the city to do these calculations themselves in the future, but **I am seeing a future in which BCPH and the**

city of chico are the only ones actively monitoring. In addition, I think that like other lakes and recreational bodies of water in California, occasional shut downs may be the reality moving forward.

Otherwise CDPH helped us pull the STEC cases from other counties, and we will reach out to verify no sycamore pool contact. They had a lot of ideas regarding comms that were used back during the Lake Wildwood, but most of them were common sense and I told them we would reach out if we needed them. I think Lisa probably doesn't need their examples but let me know if you want them!

The city manager didn't leave me his number but I am trying to track it down (unless one of you have it).

Unfortunately I think this may be pushed to Monday.

Again- I'd love all of your smart opinions.

-Jarett

From: Blankenship, DeAnne <DBlankenship@buttecounty.net>
Sent: Friday, June 27, 2025 4:45 PM
To: Soderstrom, Monica <msoderstrom@buttecounty.net>; Beaudoin, Jarett <JBeaudoin@buttecounty.net>; Wais, Ashley <AWais@buttecounty.net>; McSpadden, Elaine <EMcspadden@buttecounty.net>; Cox, Erin <ECox@buttecounty.net>; Almaguer, Lisa <LAlmaguer@buttecounty.net>
Cc: Lefaver, Jennifer <JLefaver@buttecounty.net>
Subject: RE: Sycamore Pool update

I concur- thank you Jarett for this background info. Did you learn anything new from the call with CDPH?

DeAnne Blankenship, MPH, MCHES (she/her)

Assistant Director

dblankenship@buttecounty.net

BUTTE COUNTY PUBLIC HEALTH

2080 E. 20th Street | Suite 180 | Chico, CA 95928

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From: Soderstrom, Monica <msoderstrom@buttecounty.net>
Sent: Friday, June 27, 2025 4:16 PM
To: Beaudoin, Jarett <JBeaudoin@buttecounty.net>; Wais, Ashley <AWais@buttecounty.net>; McSpadden, Elaine <EMcspadden@buttecounty.net>; Cox, Erin <ECox@buttecounty.net>; Almaguer, Lisa <LAlmaguer@buttecounty.net>
Cc: Lefaver, Jennifer <JLefaver@buttecounty.net>; Blankenship, DeAnne <DBlankenship@buttecounty.net>
Subject: RE: Sycamore Pool update

Thank you for all the work that has been done on this today! I agree with the outline below and hope that the City of Chico will be willing to post signage by this evening. Erin was having Lila update the previous flyer to remove the part about the pool being cleaned regularly. There are other types of No Swimming signs that EH has used previously that we might also provide.

Sincerely,

Monica Soderstrom, RN, PHN
Public Health Director
[BUTTE COUNTY PUBLIC HEALTH](#)
[202 Mira Loma Drive | Oroville, CA 95965](#)
T: 530.552.4000 | D: [530.552.3930](#) |

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From: Beaudoin, Jarrett <JBeaudoin@buttecounty.net>
Sent: Friday, June 27, 2025 3:55 PM
To: Wais, Ashley <AWais@buttecounty.net>; McSpadden, Elaine <EMcspadden@buttecounty.net>; Soderstrom, Monica <msoderstrom@buttecounty.net>; Cox, Erin <ECox@buttecounty.net>; Almaguer, Lisa <LAlmaguer@buttecounty.net>
Cc: Lefaver, Jennifer <JLefaver@buttecounty.net>; Blankenship, DeAnne <DBlankenship@buttecounty.net>
Subject: Re: Sycamore Pool update
Importance: High

Hello,

As the day approaches a close, here is the most recent update.

- **CalEPA/Toxicology:** Elaine, Ashley and I met with Shannon from CalEPA. She had some good points of contact, but generally they do not have the clinical expertise regarding E.Coli water levels. She pointed us back to the Waterboard to ask where they got their recommendations from.
- **David/Waterboard:** Spoke with David again who spoke to his boss Clint Snyder from the Regional Waterboard. He stated that he is unsure where the recommendation came from, and when asked directly, stated that the Regional Waterboard would not be able to provide regular monitoring of the Sycamore pool. He recommended speaking with Shasta County who's EH works with Park Service to do their Whiskytown lake.
- **Ashley Updates:** Ashley (the amazing) was able to track down the likely source of the guidance- the EPA document on E.Coli and water monitoring. There are some discrepancies, but its generally in the right area. Per this EPA document, if there are elevated levels we should: *Issue a public notice and post advisories to notify the public that the waterbody is closed to recreational activities.*
- **CDPH:** We are meeting with a CDPH team, per the recommendation of CalEPA, to see if we can garner any more information about the risk to individuals and what actions have been applied. She also confirmed that CPU = MPN from the standpoint of the waterboard.
- **City of Chico:** I have asked Erik from Chico PW to call me back 4x now so we can discuss. He has not, but City Manager is cc'd on the emails.

With this information, I am leaning towards asking Chico City to put up signs **recommending against swimming** (similar to the last page of the EPA document) and start daily monitoring. We then will need to come up with a return-to-swim threshold, which so far we have not seen guidance on.

I would love your thoughts and happy to chat after my discussion with CDPH (4-4:30).

I am sorry that it is Friday.

-Jarett



From: Beaudoin, Jarett <JBeaudoin@buttecounty.net>

Sent: Thursday, June 26, 2025 4:08 PM

To: Wais, Ashley <AWais@buttecounty.net>; McSpadden, Elaine <EMcspadden@buttecounty.net>; Soderstrom, Monica <msoderstrom@buttecounty.net>; Cox, Erin <ECox@buttecounty.net>; Almaguer, Lisa <LAlmaguer@buttecounty.net>

Cc: Lefaver, Jennifer <JLefaver@buttecounty.net>

Subject: Sycamore Pool update

Hello,

Just spoke with David Durette from Waterboard (who Elaine spoke to yesterday).

- Despite the water board amendment (provided by Elaine and attached) stating the requirements for monitoring, they are not actively monitoring. They only receive the water monitoring results sporadically (maybe every other month).
- They are not doing calculations of Means or STV with the lab data.
- I alerted them to the possibility that they are out of compliance. He is unsure what they would do if this was true, so will talk to his boss and get back to me tomorrow.
- However, if there is an intervention needed he believes the Water board could potentially help with/lead the enforcement.

Still pending a call back from Chico PW and CalEPA. Will update you all as I find out more info.

-Jarett

Jarett Beaudoin, M.D., M.P.H.

Public Health Officer

[BUTTE COUNTY PUBLIC HEALTH](#)

[202 Mira Loma Drive | Oroville, CA 95965](#)

T: 530.552.4000

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Beaudoin, Jarett

From: Beaudoin, Jarett
Sent: Monday, June 30, 2025 11:01 AM
To: Wenzel, Alisha@Waterboards; Howard, Meredith@Waterboards; Durette, David S. @Waterboards; Rader, Jessica@Waterboards
Cc: Murphy, Shannon@OEHHA; Wais, Ashley; McSpadden, Elaine
Subject: Re: Waterborne Illness Concern

That'd be great!

For now, you can add myself, Ashley Wais (our Epidemiologist), and Elaine McSpadden our Environmental Health Director.

-Jarett

Jarett Beaudoin, M.D., M.P.H.

Public Health Officer

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[202 Mira Loma Drive | Oroville, CA 95965](#)

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From: Wenzel, Alisha@Waterboards <Alisha.Wenzel@waterboards.ca.gov>
Sent: Monday, June 30, 2025 10:57 AM
To: Beaudoin, Jarett <JBeaudoin@buttecounty.net>; Howard, Meredith@Waterboards <Meredith.Howard@Waterboards.ca.gov>; Durette, David S. @Waterboards <David.Durette@Waterboards.ca.gov>; Rader, Jessica@Waterboards <Jessica.Rader@Waterboards.ca.gov>
Cc: Murphy, Shannon@OEHHA <Shannon.Murphy@oehha.ca.gov>; Wais, Ashley <AWais@buttecounty.net>; McSpadden, Elaine <EMcSpadden@buttecounty.net>
Subject: RE: Waterborne Illness Concern

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Good morning,

David, Jessi, and I are available for a call at 9am tomorrow. Would that time work for you? I'm happy to setup a Teams meeting—just let me know who else to include on the invitation.

Thank you,
Alisha

From: Beaudoin, Jarett <JBeaudoin@buttecounty.net>

Sent: Monday, June 30, 2025 9:03 AM

To: Wenzel, Alisha@Waterboards <Alisha.Wenzel@waterboards.ca.gov>; Shultz, Dana@Waterboards <Dana.Shultz@Waterboards.ca.gov>; Howard, Meredith@Waterboards <Meredith.Howard@Waterboards.ca.gov>; Durette, David S.@Waterboards <David.Durette@Waterboards.ca.gov>; Rader, Jessica@Waterboards <Jessica.Rader@Waterboards.ca.gov>

Cc: Murphy, Shannon@OEHHA <Shannon.Murphy@oehha.ca.gov>; Wais, Ashley <AWais@buttecounty.net>; McSpadden, Elaine <EMcSpadden@buttecounty.net>

Subject: Re: Waterborne Illness Concern

Hey Alisha,

This is good information! A couple thoughts:

- **Active Waterborne Illnesses:** I met with CDPH on Friday. They are great at waterborne illness investigation, and honestly we have a lot of experience with that our health department. In addition, we also have no trouble intervening in the recreational body of water now that there are human cases of STEC. This is now impacting human health, so we are working with the city to close the pool for the time being.
- **Preventing Cases and E. Coli Monitoring:** The issue we've been hard pressed to find is how to *prevent* these cases from happening in the future. Aka from a legal/regulatory standpoint- who is supposed to be monitoring these levels in California recreational waters and how are they supposed to be enforcing if thresholds are crossed. I spoke with David Durette from the regional office on Friday who made it very clear that the regional water board is not, and can not, perform this monitoring despite the clear regulatory thresholds mentioned in water board documentation.
- **Investigating High Levels:** Once high levels have been identified, if they persist with no obvious explanation than I'm assuming an investigation would need to be completed to account for the high levels of E.Coli. The high levels at Sycamore pool could be secondary to homeless encampments, Increases nutrients from Park Fire run off, or even leaky septic tanks from homes along the creek. Does the waterboard ever conduct these investigations and if so, how can public health help coordinate?

I'm in meetings this morning, but I'd love to meet about this issue. Who do you think should be on the call?

Jarett Beaudoin, M.D., M.P.H.

Public Health Officer

[BUTTE COUNTY PUBLIC HEALTH](#)

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T: 530.552.4000

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From: Wenzel, Alisha@Waterboards <Alisha.Wenzel@waterboards.ca.gov>
Sent: Friday, June 27, 2025 4:09 PM
To: Beaudoin, Jarett <JBeaudoin@buttecounty.net>; Shultz, Dana@Waterboards <Dana.Shultz@Waterboards.ca.gov>; Howard, Meredith@Waterboards <Meredith.Howard@Waterboards.ca.gov>; Durette, David <S.@Waterboards> <David.Durette@Waterboards.ca.gov>; Rader, Jessica@Waterboards <Jessica.Rader@Waterboards.ca.gov>
Cc: Murphy, Shannon@OEHHA <Shannon.Murphy@oehha.ca.gov>; Wais, Ashley <AWais@buttecounty.net>; McSpadden, Elaine <EMcSpadden@buttecounty.net>
Subject: RE: Waterborne Illness Concern

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Hi, Jarett,

I think CDPH would be the best contact for this type of waterborne illness. I don't have a current contact there, but their website does have some information on outbreaks: [Beaches and Recreational Waters](#). As you probably know, the Health Code has requirements for monitoring and posting coastal beaches, but there is no specific guidance for inland swimming areas.

I can help answer your questions about the supporting documentation for the bacteria water quality objectives. The objectives for inland waters are in the [2019 ISWEBE Bacteria Provisions](#) and are based on the US EPA's 2012 [Recreational Water Quality Criteria](#). It is important to note that the objectives use E. coli to indicate the presence of fecal pollution and increased risk of illness, but there is no specific information on STEC or other pathogens.

I am available until 5 today at the number below if I can answer any additional questions about the objectives. I'm also very sorry to hear about the illnesses and hope both patients recover.

Alisha



Alisha Wenzel

Engineering Geologist
She/Her

R5 CENTRAL VALLEY - SACRAMENTO
Planning Section | SWAMP

Email: Alisha.Wenzel@waterboards.ca.gov
Phone: +1 (916) 464-4717

Regional Water Quality Control Board
11020 Sun Center Drive, Suite 200, Rancho Cordova CA 95670
Website: www.waterboards.ca.gov

Follow: [X](#) | [YouTube](#) | [Facebook](#) | [LinkedIn](#)

From: Beaudoin, Jarett <JBeaudoin@buttecounty.net>
Sent: Friday, June 27, 2025 2:34 PM
To: Wenzel, Alisha@Waterboards <Alisha.Wenzel@waterboards.ca.gov>; Shultz, Dana@Waterboards <Dana.Shultz@Waterboards.ca.gov>; Howard, Meredith@Waterboards <Meredith.Howard@Waterboards.ca.gov>; jessica.rader@waterboards.ca.gov; Durette, David <S.@Waterboards> <David.Durette@Waterboards.ca.gov>
Cc: Murphy, Shannon@OEHHA <Shannon.Murphy@oehha.ca.gov>; Wais, Ashley <AWais@buttecounty.net>; McSpadden, Elaine <EMcSpadden@buttecounty.net>

Subject: Waterborne Illness Concern

Importance: High

Caution: External Email. Use caution when clicking links or opening attachments. When in doubt, contact DIT or use the Phish Alert Button.

Hello,

I am the current Public Health Officer for Butte County, and have some concerns regarding water quality at Sycamore Pool that could impact human health.

I was given all of your contact information from Shannon Murphy, one of the toxicologists working in the HAB-related Illness workgroup, because we have a concern of potential waterborne illness at Sycamore Pool/Big Chico Creek. We've had two STEC with [REDACTED] who swam in the pool. Our team at Butte County Public Health are concerned that the pool is outside of appropriate levels for E.Coli, per the Waterboard Monitoring and Reporting regulations (attached).

I spoke with David Durette yesterday, but due to the coming holiday weekend I would like to try to expedite a conversation regarding the Pool. More specifically, we are interested in:

- Is there supporting documentation for the water quality objectives mentioned in the attached program amendment?
- Do you have guidance on how this these monitoring objectives were intended to be implemented?
- Apart from CalEPA, CDPH, yourselves, and the City of Chico, are there any other parties who are involved in the recommendations for this pool?

Thank you all in advance. I'm happy to jump on a call today if possible.

Best,

Jarett Beaudoin, M.D., M.P.H.

Public Health Officer

[BUTTE COUNTY PUBLIC HEALTH](#)

[202 Mira Loma Drive | Oroville, CA 95965](#)

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Beaudoin, Jarett

From: Beaudoin, Jarett
Sent: Monday, June 30, 2025 10:20 AM
To: Soderstrom, Monica
Subject: Fw: Waterborne Illness Concern

FYI. This is where i'm at with the waterboard.

-Jarett

From: Beaudoin, Jarett <JBeaudoin@buttecounty.net>
Sent: Monday, June 30, 2025 9:02 AM
To: Wenzel, Alisha@Waterboards <Alisha.Wenzel@waterboards.ca.gov>; Shultz, Dana@Waterboards <Dana.Shultz@Waterboards.ca.gov>; Howard, Meredith@Waterboards <Meredith.Howard@Waterboards.ca.gov>; Durette, David S.@Waterboards <David.Durette@Waterboards.ca.gov>; Rader, Jessica@Waterboards <Jessica.Rader@Waterboards.ca.gov>
Cc: Murphy, Shannon@OEHHA <Shannon.Murphy@oehha.ca.gov>; Wais, Ashley <AWais@buttecounty.net>; McSpadden, Elaine <EMcSpadden@buttecounty.net>
Subject: Re: Waterborne Illness Concern

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Jarett Beaudoin, M.D., M.P.H.

Public Health Officer

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To: Beaudoin, Jarett <JBeaudoin@buttecounty.net>; Shultz, Dana@Waterboards <Dana.Shultz@Waterboards.ca.gov>; Howard, Meredith@Waterboards <Meredith.Howard@Waterboards.ca.gov>; Durette, David S.@Waterboards <David.Durette@Waterboards.ca.gov>; Rader, Jessica@Waterboards <Jessica.Rader@Waterboards.ca.gov>

Cc: Murphy, Shannon@OEHHHA <Shannon.Murphy@oehha.ca.gov>; Wais, Ashley <AWais@buttecounty.net>; McSpadden, Elaine <EMcSpadden@buttecounty.net>

Subject: RE: Waterborne Illness Concern

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I am available until 5 today at the number below if I can answer any additional questions about the objectives. I'm also very sorry to hear about the illnesses and hope both patients recover.

Alisha

**Alisha Wenzel**

Engineering Geologist
She/Her

R5 CENTRAL VALLEY - SACRAMENTO
Planning Section | SWAMP

Email: Alisha.Wenzel@waterboards.ca.gov
Phone: +1 (916) 464-4717

Regional Water Quality Control Board
11020 Sun Center Drive, Suite 200, Rancho Cordova CA 95670
Website: www.waterboards.ca.gov

Follow: [X](#) | [YouTube](#) | [Facebook](#) | [LinkedIn](#)

From: Beaudoin, Jarett <JBeaudoin@buttecounty.net>

Sent: Friday, June 27, 2025 2:34 PM

To: Wenzel, Alisha@Waterboards <Alisha.Wenzel@waterboards.ca.gov>; Shultz, Dana@Waterboards <Dana.Shultz@Waterboards.ca.gov>; Howard, Meredith@Waterboards <Meredith.Howard@Waterboards.ca.gov>; jesica.rader@waterboards.ca.gov; Durette, David S.@Waterboards <David.Durette@Waterboards.ca.gov>

Cc: Murphy, Shannon@OEHA <Shannon.Murphy@oeha.ca.gov>; Wais, Ashley <AWais@buttecounty.net>; McSpadden, Elaine <EMcSpadden@buttecounty.net>

Subject: Waterborne Illness Concern

Importance: High

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Thank you all in advance. I'm happy to jump on a call today if possible.

Best,

Jarett Beaudoin, M.D., M.P.H.

Public Health Officer

[BUTTE COUNTY PUBLIC HEALTH](#)

[202 Mira Loma Drive | Oroville, CA 95965](#)

T: 530.552.4000

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Beaudoin, Jarett

From: Beaudoin, Jarett
Sent: Monday, June 30, 2025 9:12 AM
To: Clint.Snyder@waterboards.ca.gov
Cc: McSpadden, Elaine
Subject: Fw: Waterborne Illness Concern

Hey Clint,

I am the Health Officer for Butte County. I think you may have spoken to David about the issue with a waterborne illness and concern over water quality for Sycamore Pool/Big Chico Creek.

In an attempt to figure out the complicated regulations around this pool and E.Coli monitoring in surface water generally, I've been talking with a lot of people from water board, CalEPA, and CDPH. I wanted to add you in to the chain in case you have any other helpful insights to the questions below.

Elaine McSpadden, our Environmental Health Director had mentioned your name specifically around helping figure out how to investigate the elevated Coliform levels in Sycamore pool. I'm curious if this is something we could intervene on (i.e. a homeless encampment or a leaky septic tank) vs something that we would have little control over (increased nutrients from Park Fire run off).

I appreciate any help!

-Jarett

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From: Beaudoin, Jarett <JBeaudoin@buttecounty.net>
Sent: Monday, June 30, 2025 9:02 AM
To: Wenzel, Alisha@Waterboards <Alisha.Wenzel@waterboards.ca.gov>; Shultz, Dana@Waterboards <Dana.Shultz@Waterboards.ca.gov>; Howard, Meredith@Waterboards <Meredith.Howard@Waterboards.ca.gov>; Durette, David S.@Waterboards <David.Durette@Waterboards.ca.gov>; Rader, Jessica@Waterboards <Jessica.Rader@Waterboards.ca.gov>
Cc: Murphy, Shannon@OEHA <Shannon.Murphy@oehha.ca.gov>; Wais, Ashley <AWais@buttecounty.net>;

McSpadden, Elaine <EMcSpadden@buttecounty.net>

Subject: Re: Waterborne Illness Concern

Hey Alisha,

This is good information! A couple thoughts:

- **Active Waterborne Illnesses:** I met with CDPH on Friday. They are great at waterborne illness investigation, and honestly we have a lot of experience with that our health department. In addition, we also have no trouble intervening in the recreational body of water now that there are human cases of STEC. This is now impacting human health, so we are working with the city to close the pool for the time being.
- **Preventing Cases and E. Coli Monitoring:** The issue we've been hard pressed to find is how to *prevent* these cases from happening in the future. Aka from a legal/regulatory standpoint- who is supposed to be monitoring these levels in California recreational waters and how are they supposed to be enforcing if thresholds are crossed. I spoke with David Durette from the regional office on Friday who made it very clear that the regional water board is not, and can not, perform this monitoring despite the clear regulatory thresholds mentioned in water board documentation.
- **Investigating High Levels:** Once high levels have been identified, if they persist with no obvious explanation than I'm assuming an investigation would need to be completed to account for the high levels of E.Coli. The high levels at Sycamore pool could be secondary to homeless encampments, Increases nutrients from Park Fire run off, or even leaky septic tanks from homes along the creek. Does the waterboard ever conduct these investigations and if so, how can public health help coordinate?

I'm in meetings this morning, but I'd love to meet about this issue. Who do you think should be on the call?

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From: Wenzel, Alisha@Waterboards <Alisha.Wenzel@waterboards.ca.gov>

Sent: Friday, June 27, 2025 4:09 PM

To: Beaudoin, Jarett <JBeaudoin@buttecounty.net>; Shultz, Dana@Waterboards <Dana.Shultz@Waterboards.ca.gov>; Howard, Meredith@Waterboards <Meredith.Howard@Waterboards.ca.gov>; Durette, David S.@Waterboards <David.Durette@Waterboards.ca.gov>; Rader, Jessica@Waterboards <Jessica.Rader@Waterboards.ca.gov>

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I can help answer your questions about the supporting documentation for the bacteria water quality objectives. The objectives for inland waters are in the [2019 ISWEBE Bacteria Provisions](#) and are based on the US EPA's 2012 [Recreational Water Quality Criteria](#). It is important to note that the objectives use E. coli to indicate the presence of fecal pollution and increased risk of illness, but there is no specific information on STEC or other pathogens.

I am available until 5 today at the number below if I can answer any additional questions about the objectives. I'm also very sorry to hear about the illnesses and hope both patients recover.

Alisha



Alisha Wenzel

Engineering Geologist
She/Her

R5 CENTRAL VALLEY - SACRAMENTO
Planning Section | SWAMP

Email: Alisha.Wenzel@waterboards.ca.gov
Phone: +1 (916) 464-4717

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11020 Sun Center Drive, Suite 200, Rancho Cordova CA 95670
Website: www.waterboards.ca.gov

Follow: [X](#) | [YouTube](#) | [Facebook](#) | [LinkedIn](#)

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Sent: Friday, June 27, 2025 2:34 PM

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Subject: Waterborne Illness Concern

Importance: High

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Beaudoin, Jarett

From: Beaudoin, Jarett
Sent: Monday, June 30, 2025 9:06 AM
To: katie.gilman@waterboards.ca.gov
Cc: McSpadden, Elaine; Wais, Ashley
Subject: Water quality Data

Hey Katie,

I am the health officer for Butte County. I got your email from my Environmental Health Director Elaine McSpadden because she send me a draft of your Water quality report for Big Chico Creek.

Do you by chance have updated data from Big Chico Creek, maybe for April/May? I'd also love to see historical data, maybe from the past 5 years or so. Is that housed on a public site somewhere or would I need to request that?

I appreciate the help!
-Jarett

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Cc: Murphy, Shannon@OEHHA; Wais, Ashley; McSpadden, Elaine
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Importance: High

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