**Ocean Water Testing Results**

**Data Trends Before and After January 9, 2018 Storm**

The following graphs show ocean water testing results before and after the January 9, 2018 storm and mudslide event. The black vertical dashed line marks January 9, 2018. These testing results are from points in time and the colored lines between them are not depicting continuous changes between the testing dates. Note that road closures after the storm prevented ocean water testing at some south county locations, but these have resumed.

Normal ocean water testing occurs weekly. Although the Public Health Department ocean water testing protocol is for weekly testing, when bacterial levels exceed standards those waters are tested more frequently until warnings/closures can be lifted and the weekly testing can resume.

Increased frequency of testing (2 times per week) has been implemented at Carpinteria State Beach and Goleta Beach. In addition, new ocean water locations are being tested at these two beaches to the east and to the west of the sediment deposition buffer zones.
- Data is not cumulative; Each test sample represents a point in time.
- The thresholds (flat lines) for each test represents acceptable levels based on State standards.
- Water testing results on 4/4/18: 1010 MPN of Total Coliform, 31 MPN of Fecal Coliform, 160 MPN of Enterococcus (MPN = most probably number of bacteria in the sample).

- Data is not cumulative; Each test sample represents a point in time.
- The thresholds (flat lines) for each test represents acceptable levels based on State standards.
- Water testing results on 4/4/18: 282 MPN of Total Coliform, 10 MPN of Fecal Coliform, 134 MPN of Enterococcus (MPN = most probably number of bacteria in the sample).
- West Buffer Zone testing began on 1/16/18.
**CLOSED: Goleta Beach - East Buffer Zone water samples, 1/16/17-4/4/2018.**

Water sample collection date

- Data is not cumulative; Each test sample represents a point in time.
- The thresholds (flat lines) for each test represents acceptable levels based on State standards.
- Water testing results on 4/4/18: 2064 MPN of Total Coliform, 31 MPN of Fecal Coliform, 3448 MPN of Enterococcus (MPN = most probably number of bacteria in the sample).
- East Buffer Zone testing began on 1/16/18.

- Data is not cumulative; Each test sample represents a point in time.
- The thresholds (flat lines) for each test represents acceptable levels based on State standards.
- Water testing results on 4/4/18: 5475 MPN of Total Coliform, 86 MPN of Fecal Coliform, 488 MPN of Enterococcus (MPN = most probably number of bacteria in the sample).

WARNING: Carpinteria Beach - West Buffer Zone water samples, 1/18/17-4/2/2018.

- Data is not cumulative; Each test sample represents a point in time.
- The thresholds (flat lines) for each test represents acceptable levels based on State standards.
- Water testing results on 4/2/18: 109 MPN of Total Coliform, less than 10 MPN of Fecal Coliform, 197 MPN of Enterococcus (MPN = most probably number of bacteria in the sample).
- West Buffer Zone testing began on 1/18/18.
**WARNING:** Carpinteria Beach - East Buffer Zone water samples, 1/18/17-3/12/2018.

- Data is not cumulative; Each test sample represents a point in time.
- The thresholds (flat lines) for each test represents acceptable levels based on State standards.
- Water testing results on 3/12/18: 2613 MPN of Total Coliform, 52 MPN of Fecal Coliform, 933 MPN of Enterococcus (MPN = most probably number of bacteria in the sample).
- East Buffer Zone testing began on 1/18/18.
**Open: Arroyo Burro Beach water samples, 11/27/17-4/2/2018.**

- Data is not cumulative; Each test sample represents a point in time.
- The thresholds (flat lines) for each test represents acceptable levels based on State standards.
- Water testing results on 4/2/18: 20 MPN of Total Coliform, less than 10 MPN of Fecal Coliform, less than 10 MPN of Enterococcus (MPN = most probably number of bacteria in the sample).

**Open: Butterfly Beach water samples, 11/27/17-4/2/2018.**

- Data is not cumulative; Each test sample represents a point in time.
- The thresholds (flat lines) for each test represents acceptable levels based on State standards.
- Water testing results on 4/2/18: 173 MPN of Total Coliform, 63 MPN of Fecal Coliform, less than 10 MPN of Enterococcus (MPN = most probably number of bacteria in the sample).
Open: East Beach @ Mission Creek water samples, 11/27/17-4/4/2018.

- Data is not cumulative; Each test sample represents a point in time.
- The thresholds (flat lines) for each test represents acceptable levels based on State standards.
- Water testing results on 4/4/18: 1050 MPN of Total Coliform, 52 MPN of Fecal Coliform, 75 MPN of Enterococcus (MPN = most probably number of bacteria in the sample).

Open: East Beach @ Sycamore Creek water samples, 11/27/17-4/2/2018.

- Data is not cumulative; Each test sample represents a point in time.
- The thresholds (flat lines) for each test represents acceptable levels based on State standards.
- Water testing results on 4/2/18: 31 MPN of Total Coliform, less than 10 MPN of Fecal Coliform, 10 MPN of Enterococcus (MPN = most probably number of bacteria in the sample).

- Data is not cumulative; Each test sample represents a point in time.
- The thresholds (flat lines) for each test represents acceptable levels based on State standards.
- Water testing results on 4/2/18: less than 10 MPN of Total Coliform, less than 10 MPN of Fecal Coliform, less than 10 MPN of Enterococcus (MPN = most probably number of bacteria in the sample).


- Data is not cumulative; Each test sample represents a point in time.
- The thresholds (flat lines) for each test represents acceptable levels based on State standards.
- Water testing results on 4/2/18: less than 10 MPN of Total Coliform, less than 10 MPN of Fecal Coliform, less than 10 MPN of Enterococcus (MPN = most probably number of bacteria in the sample).
**Open: Hammond's Beach water samples, 11/27/17-4/2/2018.**

- Data is not cumulative; Each test sample represents a point in time.
- The thresholds (flat lines) for each test represents acceptable levels based on State standards.
- Water testing results on 4/2/18: less than 10 MPN of Total Coliform, less than 10 MPN of Fecal Coliform, less than 10 MPN of Enterococcus (MPN = most probably number of bacteria in the sample).

**Open: Hope Ranch Beach water samples, 11/27/17-4/2/2018.**

- Data is not cumulative; Each test sample represents a point in time.
- The thresholds (flat lines) for each test represents acceptable levels based on State standards.
- Water testing results on 4/2/18: less than 10 MPN of Total Coliform, less than 10 MPN of Fecal Coliform, less than 10 MPN of Enterococcus (MPN = most probably number of bacteria in the sample).

- Data is not cumulative; Each test sample represents a point in time.
- The thresholds (flat lines) for each test represents acceptable levels based on State standards.
- Water testing results on 4/2/18: 122 MPN of Total Coliform, 31 MPN of Fecal Coliform, 20 MPN of Enterococcus (MPN = most probably number of bacteria in the sample).


- Data is not cumulative; Each test sample represents a point in time.
- The thresholds (flat lines) for each test represents acceptable levels based on State standards.
- Water testing results on 4/2/18: 591 MPN of Total Coliform, 10 MPN of Fecal Coliform, 52 MPN of Enterococcus (MPN = most probably number of bacteria in the sample).
Open: Sand Beach @ Coal Point water samples, 11/27/17-4/2/2018.

- Data is not cumulative; Each test sample represents a point in time.
- The thresholds (flat lines) for each test represents acceptable levels based on State standards.
- Water testing results on 4/2/18: 63 MPN of Total Coliform, 20 MPN of Fecal Coliform, 10 MPN of Enterococcus (MPN = most probably number of bacteria in the sample).


- Data is not cumulative; Each test sample represents a point in time.
- The thresholds (flat lines) for each test represents acceptable levels based on State standards.
- Water testing results on 4/2/18: 63 MPN of Total Coliform, 20 MPN of Fecal Coliform, 10 MPN of Enterococcus (MPN = most probably number of bacteria in the sample).