



*Ventura Countywide
Stormwater Quality
Management Program*

2014-2015
Permit Year

Ventura Countywide Stormwater Quality
Management Program Annual Report

Attachment E5

Ventura County and Watershed
Protection District Harbor Beaches
Bacteria TMDL Compliance Report



Camarillo
County of Ventura
Fillmore
Moorpark
Ojai
Oxnard
Port Hueneme
Santa Paula
Simi Valley
Thousand Oaks
Ventura

Ventura County Watershed Protection District

December 14, 2015



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Bacteria Total Maximum Daily Load Draft Compliance Report

Harbor Beaches of Ventura County (Kiddie Beach and Hobie Beach)

Prepared for

County of Ventura Public Works Agency

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1. INTRODUCTION

The water quality of the Harbor Beaches of Ventura County, Kiddie and Hobie, is regulated by a Bacteria Total Maximum Daily Load (TMDL) (Resolution R2007-017) effective December 18, 2008. The TMDL requires weekly beach monitoring, achievement of Waste Load Allocations (WLAs) (expressed as allowable exceedance days) and the implementation of Best Management Practices (BMPs) to control sources of bacteria. The TMDL requires responsible MS4 agencies to submit a compliance report by December 18, 2014. The Compliance Report must include: an evaluation of monitoring data with regards to final dry-weather, interim wet-weather, and rolling 30-day geometric mean WLAs; a summary of recently completed TMDL special studies; and an assessment of BMPs currently implemented. This Compliance Report addresses data and activities related to the County of Ventura (County) and the Ventura County Watershed Protection District (VCWPD).

1.1 TMDL Background

The Clean Water Act (CWA) of 1972 provides the basis for the protection of all inland surface waters, estuaries, and coastal waters. The federal Environmental Protection Agency (EPA) is responsible for administering the CWA and developing regulations, but may delegate its authority to the State.

California's primary statute governing water quality is the Porter-Cologne Water Quality Control Act of 1970 (Porter-Cologne Act). The Porter-Cologne Act grants the California State Water Resources Control Board (State Board) and nine California Regional Water Quality Control Boards broad powers to protect water quality, and it is the primary vehicle for the administration of California's regulations under the federally delegated responsibilities of the CWA. The governing Regional Board for the Los Angeles area watersheds is the Los Angeles Regional Water Quality Control Board (LARWQCB).

The Porter Cologne Act is implemented in the Los Angeles Region by the California Water Quality Control Plan, Los Angeles Region (Basin Plan). The Basin Plan sets water quality standards for the Los Angeles Region, which includes beneficial uses for surface and groundwater with numeric and narrative objectives necessary to support those uses.

Section 303(d) of the CWA requires that states conduct a biennial assessment of waters and identify those waters that are not achieving water quality objectives, referred to as the 303(d) list. The 303(d) list outlines the impaired waterbody and the specific



pollutant(s) for which it is impaired. Once listed on the 303(d) list, all waterbodies are subject to the development of a TMDL. A TMDL establishes the maximum amount of a pollutant that a waterbody can receive and still meet the applicable water quality standard for that pollutant.

1.2 TMDL Requirements

The State Board identified the Harbor Beaches of Ventura County (Harbor Beaches) as impaired by indicator bacteria based on REC-1 water quality objectives and placed them on the 303(d) list in 2006. REC-1 water quality objectives for marine waters include the following:

1. Rolling 30-day Geometric Mean Limits¹
 - a. Total coliform density shall not exceed 1,000/100 mL
 - b. Fecal coliform density shall not exceed 200/100 mL
 - c. Enterococcus density shall not exceed 35/100 mL
2. Single Sample Limits
 - a. Total coliform density shall not exceed 10,000/100 mL
 - b. Fecal coliform density shall not exceed 400/100 mL
 - c. Enterococcus density shall not exceed 104/100 mL
 - d. Total coliform density shall not exceed 1,000/100 mL, if the ratio of fecal-to-total coliform exceeds 0.1

On December 18, 2008, the USEPA made effective the TMDL for bacteria as an amendment to the Basin Plan (Resolution R2007-017). The TMDL was then incorporated into the current version of the Ventura County MS4 permit in 2009¹. Allowable pollutant loadings under the TMDL, WLAs, are expressed as an allowable number of days per year that the water quality objectives can be exceeded. Because the TMDL was developed based on a reference system/antidegradation approach, the allowable number of exceedance days for each monitoring site is based on the more stringent of two criteria: (1) exceedance days in the designated reference system, or (2) exceedance days based on historical bacteriological data at the monitoring site. This ensures that bacteriological water quality is at least as good as that of a largely undeveloped system and that there is no degradation of existing water quality.

¹ The geometric mean WLAs are an exception as they were not included in the 2009 Ventura County MS4 permit.



Both interim and final WLAs are provided in the TMDL for the County, the VCWPD, the City of Oxnard, and Caltrans. The WLAs are provided in the TMDL for three different seasonal conditions which include summer dry weather (April 1 – October 31), winter dry weather (November 1 – March 31) and wet-weather (defined as days with 0.1 inch of rain or greater and the three days following). Interim WLAs became effective upon the effective date of the TMDL and are assigned for the duration of the implementation schedule. Final WLAs became effective five years after TMDL approval (December 18, 2013) for dry weather and will go into effect ten years after TMDL approval (December 18, 2018) for wet weather.

The TMDL requires that weekly beach monitoring continue at the two sampling locations (VCEHD 36000 and VCEHD 37000), consistent with AB411 compliance monitoring. The monitoring should be conducted on a year-round basis in ankle- to knee-high water. In the situation that WLAs are exceeded at the compliance monitoring locations, then structural or non-structural BMPs are required to be implemented.

2. BACKGROUND

2.1 Channel Island Harbor and Harbor Beaches

The Harbor Beaches are located within the Channel Islands Harbor (Harbor), along the southern California coast in Ventura County (Figure 1). The Harbor Beaches are located near the Harbor entrance at the southern terminus of the Harbor along the east side of the main channel as it turns north. Towards the north, the main channel divides into a West Channel and an East Channel. The West Channel becomes Edison Channel, which continues north past the Mandalay Bay Generating Station and reenters the Pacific Ocean approximately 3.6 miles north of the southern entrance to the Harbor. The Channel Islands Harbor includes approximately 2,150 boat slips, four yacht clubs, and nine marinas. The tributary area draining to the Harbor is approximately 11.58 square miles in size and is comprised of areas within the jurisdictions of the County (3.07 square miles), the City of Oxnard (7.93 square miles) and the City of Port Hueneme (0.58 square miles).

The Army Corp of Engineers designed and created the Kiddie and Hobie Beaches as “surge beaches” to collectively absorb the impact of tidal surges and, as a consequence, prevent infrastructure damage in the Harbor. Protection against tidal surges remains the primary purpose of the Harbor Beaches and each beach also possesses a surge wall designed for this purpose. Providing water contact recreation was not the Harbor Beaches’ original purpose, but rather has evolved to be a beneficial use. Kiddie Beach, comprised mainly of sand, and Hobie Beach, comprised mainly of rocks, are situated



adjacent to one another. Kiddie Beach is located at the end of the southern entrance jetty and Hobie beach is located just to the north of Kiddie Beach. Kiddie Beach is approximately 430 feet long with a width ranging from about 120 feet wide at Mean Lower Low Water (MLLW) to 70 feet at Mean Higher High Water (MHHW). Hobie Beach is approximately 400 feet long with a width ranging from 75 to 250 feet at MLLW to being nearly completely inundated at MHHW.

2.2 County MS4 Area Draining to the Harbor Beaches

The County owns a single MS4 outfall that discharges directly to the Harbor Beaches. This outfall, located immediately on the south side of Kiddie Beach, is the discharge point for a small storm drain network (33 acres) in the Silver Strand Neighborhood (Figure 2). The County owns additional MS4 outfalls that discharge to the greater Harbor area, including an MS4 that drains a portion of the Hollywood-by-the-sea neighborhood (west of the Harbor Beaches), and approximately 17 outfalls which drain a section of Harbor Blvd. and the Harbor parking lots to the northwest of the Harbor Beaches. County urban land use in the Harbor watershed includes single family residential (19.1%), multi-family residential (15.3%), commercial (10.1%), marina water facilities (28.8%), and parks and recreation (26.7%).

The VCWPD and the City of Oxnard jointly own the Oxnard West Drain, which collects runoff from the majority of the watershed (4.37 square miles of single- and multi-family residential, education, commercial and industrial land uses) and discharges it about one mile north of the Harbor Beaches. Additionally, the VCWPD owns two MS4s that discharge into Edison Channel north of West 5th Street collecting runoff from mostly agricultural land uses and the Oxnard Airport.

The City of Oxnard also owns 2 MS4's discharging just to the north of Hobie Beach consisting of street inlets on Victoria Avenue. For the greater Harbor area, the City owns an MS4 draining a portion of the Hollywood-by-the-sea neighborhood, and a system draining primarily residential and commercial land uses along Victoria Avenue and Hemlock Street, which discharges to the Harbor approximately 1.4 miles north of the Harbor Beaches.

3. COMPLIANCE MONITORING

Appendix A contains a detailed discussion of (1) the compliance monitoring data that were collected after the TMDL effective date; (2) the data analysis performed; and (3) the data analysis results that were obtained. The following sections briefly summarize the analysis methodology and the data analysis results



3.1 Analysis methodology

Monitoring at the CIH Beaches is based on TMDL and State monitoring requirements. Monitoring occurs at the beach sampling locations (VCEHD 36000 and VCEHD 37000) on a weekly frequency, year-round. An exception is during dry weather, when follow-up samples are typically collected the day after a sample exceeds the single sample objective. The following analysis includes all data (i.e., weekly and follow-up samples) collected February 4, 2009 through October 31, 2014.

The single sample interim and final WLAs, based on a weekly sampling frequency and expressed as annual allowable exceedance days, are shown in Table 1.

Table 1. Interim and Final Single Sample WLAs for Weekly Sampled Sites

Season	Interim WLAs		Final WLAs	
	Hobie Beach	Kiddie Beach	Hobie Beach	Kiddie Beach
Summer Dry	6	8	0	0
Winter Dry	4	4	1	1
Wet	6	5	3	3

The geometric mean WLAs are not incorporated into the Ventura County MS4 permit, however they have been evaluated here for information purposes. The interim and final 30-day rolling geometric mean WLAs, based on a weekly sampling frequency and expressed as allowable exceedance days, are shown in Table 2.

Table 2. Interim and Final 30-day Rolling Geometric Mean WLAs for Weekly Sampled Sites

Season	Interim WLAs		Final WLAs	
	Hobie Beach	Kiddie Beach	Hobie Beach	Kiddie Beach
Summer	12	8	0	0
Winter	13	14	0	0

For each sample result, the measured indicator bacteria concentrations were compared to the single sample water quality objectives. If any one of the objectives were exceeded, one exceedance was counted, with exceedance counts summed by season to compare with weekly sampling allowed exceedance days. Rolling 30-day geometric means were calculated on sample days based on a minimum of five samples in the 30-day period during each TMDL season. Similar to single sample results, calculated geometric means were compared to geometric mean water quality objectives to determine total exceedance counts by season.



3.2 Data analysis results

The following results are summarized by TMDL season. Both beaches had instances of missing weekly samples due to unavailability of funding (12/18/2008 – 1/28/2009) and no public access caused by maintenance/dredging activities; These periods with missing data are identified and explained in Appendix A.

3.2.1 Summer season

Table 3 summarizes summer season exceedance results. No exceedances of the interim allowable exceedance days were observed, and the final allowable exceedance days were only exceeded at Kiddie Beach.

Table 3. Summer Exceedances (April 1 - October 31)

Year ¹	Single Sample Exceedances (excludes wet weather)		Geometric Mean Exceedances (dry and wet weather)	
	Hobie Beach	Kiddie Beach	Hobie Beach	Kiddie Beach
<i>Interim Allowable Exceedance Days</i>	6	8	12	8
2009	2.0	1.3	1.0	0
2010	0	0.14	0	0
2011	1.4	0	0	0
2012	1.3	2.0	1.9	3.9
2013	0.1	0.43	0	3.0
<i>Final Allowable Exceedance Days</i>	0	0	0	0
2014	0	1.3	0	2.0

1. The summer season includes days between April 1 and October 31.

3.2.2 Winter season

Winter season exceedance results are summarized in Table 4. The 2014 TMDL year winter results are compared to interim allowable exceedance days for data collected before December 18, 2013 (five years after the TMDL effective date), while data collected for the remainder of the TMDL year are compared to final allowable exceedance days. No exceedances of the interim allowable exceedance days were observed, and the final allowable exceedance days were only exceeded at Kiddie Beach.



Table 4. Winter Exceedances (Nov. 1 – Mar. 31)

Year ¹	Single Sample Exceedances (excludes wet weather)		Geometric Mean Exceedances (dry and wet weather)	
	Hobie Beach	Kiddie Beach	Hobie Beach	Kiddie Beach
<i>Interim Allowable Exceedance Days</i>	4	4	13	14
2009	2.0	0	5.0	0
2010	1.1	0.1	7.0	7.0
2011	0	1.0	0	11
2012	0	1.1	0	7.0
2013	0	0	0	0
2014 (Interim) ²	1.0	2.0	0	3.0
<i>Final Allowable Exceedance Days</i>	1	1	0	0
2014 (Final) ³	0	3	0	6

1. The winter season includes days between November 1 and March 31.
2. 2014 (Interim) includes data collected before December 18, 2013.
3. 2014 (Final) includes data collected on December 18, 2013 and subsequent days.

3.2.3 Wet Weather

Table 5 summarizes wet weather single sample exceedance results for each TMDL year. Interim AEDs were only exceeded once; this occurred at Kiddie Beach in 2011.

Table 5. Wet Weather Exceedances

Year ¹	Single Sample Exceedances	
	Hobie Beach	Kiddie Beach
<i>Interim Allowable Exceedance Days</i>	6	5
2009	2	1
2010	3	3
2011	1	6
2012	3	2
2013	1	2
2014	0	0

1. Includes wet weather days between Nov. 1 and Oct. 31



4. TMDL SPECIAL STUDIES

There have been numerous studies conducted at the Harbor Beaches to identify bacteria sources and appropriate measures to decrease bacteria concentrations. Many of the studies that occurred before the TMDL effective date were described in the Harbor Beaches Dry and Wet Weather Implementation Plans, and are listed below. In 2013 a Microbial Source Tracking and Quantitative Microbial Risk Assessment (QMRA) study was conducted by the Southern California Coastal Water Research Project (SCCWRP). The methodology and findings of this study are summarized in Section 4.2.

4.1 Previously Summarized Studies

Studies that are summarized in detail in the Harbor Beaches Dry and Wet Weather Implementation Plans include:

Harbor Beaches Monitoring Studies

- Weekly water quality beach monitoring since 1999;
- Tidal water quality monitoring in 1999 and 2000;
- Sediment disturbance water quality monitoring in 2000;
- Beach transect sampling studies in August and October of 2000;

Harbor Monitoring Studies

- Quarterly water quality monitoring in the Harbor since 1999;
- Wash-off pathogen monitoring in 2000;
- Bacteria survey along the surge wall 2000;
- Water quality monitoring at additional Harbor locations in 2000;
- Water quality monitoring of seepage from rock riprap area in 2001;

Harbor Circulation Studies

- Current and tidal hydraulics study in 2000;
- Harbor Circulation Study in 2003;
- Field surveys of circulation patterns in 2009;

Sanitary Sewer Studies

- Sewer/Storm drain interaction study in 1999;
- CCTV investigation of sanitary sewer lateral from Kiddie Beach bathroom in 2000;

Storm Drain Studies

- Storm drain water quality weekly sampling in 1999;
- CCTV investigation of storm drain in 1999;



- Dye testing of Silver Strand Pump station in 2000;

Bacteria Source Tracking and Control Studies

- Dry weather bacteria source study using DNA typing method in 2003; and
- Bird control measures efficacy study in 2006.

4.2 SCCWRP QMRA

The objectives of this study were to calculate illnesses related to swimming at the Harbor Beaches, and to support the development of site-specific FIB objectives based on the USEPA's tolerable illness rates, if calculated rates were found to be low.

The QMRA study involved five steps: 1) select beach; 2) perform a source identification study; 3) determine the pathogen load linked to each source; 4) quantify exposure of swimmers to pathogen; and 5) perform risk modeling and characterization to predict the illness rates in swimmers based on exposure, ingestion, and infectious dose.

Weekly monitoring data were reviewed from 57 beach sites in Ventura County from January 1, 2007 to December 31, 2011. Both Kiddie Beach and Hobie Beach were classified in the top five beaches with the highest frequency of water quality objective exceedances. To identify possible sources of contamination at Kiddie and Hobie Beaches, observational data were collected. As a result, possible fecal sources at the beaches were found to include human (leaking sewer lines or discharge from boat holding tanks), birds, cats, dogs, and regrowth of FIB (in sand, biofilms, kelp or seagrass, or trash).

Daily dry weather samples were collected at the Harbor Beaches for eight weeks at eight locations (three at Hobie and five at Kiddie) between June 26 and August 20, 2012. All samples were analyzed for cultural Enterococcus, which was detected at all sites (Figure 3). Site 1 (Hobie Beach) showed the highest levels of Enterococcus, exceeding the single sample water quality objective (104 MPN/100 mL) on over half of the sampling days. The highest exceedance rates at Kiddie Beach were observed at Site 5, with approximately seven percent of sampling days exceeding standards. Approximately 11 percent of all samples exceeded the single sample water quality objective for Enterococcus.

Rapid molecular methods (qPCR) were also performed for an Enterococcus marker (EnterolA) and two human fecal markers (HF183 and HumM2). HF183 was detected during at least 40 percent of sampling days at all eight locations and was found in two-



thirds of all samples. HumM2, which is less sensitive than HF183 but more specific to human fecal pollution, was detected in seven percent of all samples. There was no correlation between HF183 and tide height or amplitude, but spatial correlation showed that the Kiddie Beach locations likely share a common source of HF183. These observations suggest evidence of a constant, diffuse source of human fecal pollution at both beaches.

Evidence suggests that the *Enterococcus* and human markers could be associated with different sources. Several possible sources of fecal indicators at the beaches were identified based on visual observations: a storm drain, sewer infrastructure, birds, domesticated dogs, or feral cats.

A storm drain outlet at the north end of Hobie Beach, submerged during high tides, had observable flow during low tides due to tidal backwater. Strong decreasing gradients in *Enterococcus* concentrations and exceedance rates were observed from the drain outlet along the beach sampling sites. Only two catch basins from the adjacent road drain to the outlet, and no surface runoff or illicit connections or discharges were observed. The drain outlet was found to function as a reservoir for *Enterococcus* with sources such as biofilms or entrapment of decaying organic material. No human markers were detected in the single grab sample from within the drain.

Sewer infrastructure near the beaches may also be a source of *Enterococcus* and human contamination, possibly through groundwater discharge. The storm drain outlet near Site 7 (shown in Figure 3) was diverted to the sanitary sewer prior to the study, but the gravel bedding outside the storm drain pipe could potentially serve as a conduit for transport of sewage-impacted groundwater if a nearby sewer is leaking. However *Enterococcus* concentrations and exceedance rates near this drain outlet (Sites 7 and 8) were among the lowest in this study.

A significant population of seabirds was observed near the sampling sites, therefore it is possible that seabird waste is a source of *Enterococcus* at the beaches. The domesticated dogs brought to the beach by their owners were also identified as a possible fecal sources based on local observations. And Feral cats living in the jetty rocks were also identified as possible fecal sources, by deposit and wash-off.

Results indicated human fecal influence at the beaches, therefore the remaining phases of the QMRA study were placed on hold until the contamination has been resolved. Photographs of SCCWRP monitoring activities are shown in Appendix B.



4.3 Conclusions based on various studies

Based on studies conducted at the Harbor Beaches, the following findings are noted:

- Dry weather exceedances are infrequent, at low concentrations, and generally near or below the allowable exceedance days;
- Dry weather exceedances at the Harbor Beaches are localized and spatially limited to within a short distance of the beach wave wash area;
- Dry weather exceedances at the Harbor Beaches occur as a result of a variety of diffuse local sources that may include birds, bathers, sewers/groundwater, and stormdrains (including regrowth and tidal backwater);
- The sources of FIB are likely different than those of human fecal markers;
- Similar to what is found at other Southern California enclosed beaches, the lack of circulation at the Harbor Beaches facilitates an environment conducive to bacteria persistence;
- Wet weather exceedances are infrequent, at low concentrations, and generally near or below the allowable exceedance days;
- Wet weather sources to the beaches (beyond just the two nearby storm drain outfalls) are less well known, including to what extent the greater harbor waters and other storm drain outfalls contribute to these beach FIB concentrations.

4.4 Future Additional Studies

The County and VCWPD developed two study concepts for Clean Beaches Initiative Grant Program applications, but the funding has not been awarded. The first study proposed to conduct source identification during wet-weather and the second study was focused on dry-weather monitoring to evaluate effectiveness of implemented BMPs and infrastructure improvements. Implementation of those studies will be pending future funding opportunities.

5. BMP IMPLEMENTATION

The Dry and Wet Weather TMDL Implementation Plans (IPs) identified various BMPs for the County and VCWPD's consideration, to achieve the TMDL WLAs. The following section provides an overview of the wet and dry weather BMPs that the County and VCWPD have implemented, including those identified in the IPs and others (Table 6 provides an overview).



Table 6. BMP Implementation Status

	BMPs recommended in the Dry Weather IP	BMPs recommended in the Wet Weather IP	Additional BMPs Not Identified in the IPs
BMPs Implemented	<ol style="list-style-type: none"> 1. Public Information and Participation Program 2. Proper Pet Waste Disposal 3. Feral Cat Abatement 4. Fish Waste Disposal Ordinance and Enforcement 5. Bathroom Maintenance 6. Code and Ordinance Review Program 7. Beach Grooming 8. Bird Control Measures 9. Mobile High Pressure Flushing 	<ol style="list-style-type: none"> 1. Downspout Disconnect Program 2. Pet Ownership Outreach and Enforcement Program 3. Catch Basin Cleaning 4. Structural BMPs 	<ol style="list-style-type: none"> 1. Sewer line replacement 2. Dry-Weather Diversions 3. Parking Lot Drain Removal 4. Marina Facilities 5. Ordinances to regulate trash disposal into storm drains
BMPs Not Implemented	<ol style="list-style-type: none"> 10. Pilot Enhanced Circulation Devices 	<ol style="list-style-type: none"> 1. Storm Drain Monitoring Program 	Not Applicable

5.1 Dry Weather IP Recommended BMPs

5.1.1 Source and Early Action Controls

Public Information and Participation Program (PIPP)

The goals of the Public Information and Participation Program (PIPP) are to increase public knowledge of the MS4, including the adverse impacts of storm water pollution on receiving waters, and to change public behavior to implement appropriate solutions regarding waste disposal and storm water pollution. The program aims to engage communities to participate in mitigating the impacts of storm water pollution. The



County has engaged in numerous actions to educate the public on issues relating to water quality. In addition to the activities discussed in the Downspout Disconnect Program and Pet Ownership Outreach Program sections, the County's ongoing efforts include the following.

- Installation of additional signage at Kiddie and Hobie Beaches, in both English and Spanish, describing potential bacteria contamination from birds and cats and advising the public not to feed the cats or birds. Signs have also been redesigned to include brighter colors and more graphics. Examples of this signage are shown in Appendix B.
- The County continues to provide information to boaters, dock tenants, and live aboards regarding water quality issues and reminders of the prohibitions against dumping in the harbor. Dye tabs also continue to be provided that reveal if holding tanks were emptied in the harbor.
- The County included a reminder for pet owners to clean up after pets in the Channel Islands Beach Community Services District News Brief issued in February 2011 and May 2014.

Implementation of the PIPP, utilizing several methods such as advertising campaigns, public service announcements, signage, and educational materials, educates the public on how they can assist in keeping the beaches clean and open for full public use. These efforts encourage the public to be conscious of their actions relating to pet waste management, feeding of feral cats and birds, use of bathroom facilities before swimming, and other issues.

Proper Pet Waste Disposal

Public Health Ordinance No. 4466 states that dog and cat feces must be removed from public beaches, sidewalks, parks, school grounds or County property, and a sign is maintained to advise beach visitors of the ordinance (Ventura County Animal Control Department).

There are 20 dog waste stations located throughout the harbor and beaches, and approximately 200,000 biodegradable pet waste disposal bags are purchased by the County annually to supply the waste stations. The most popular dog waste station is located on the jetty walkway south west of Kiddie Beach. This station is stocked daily with 200 waste bags, or approximately 73,000 bags per year. Examples of a pet waste disposal station are shown in Appendix B.



Encouraging pet owners to properly dispose of pet waste helps to reduce bacteria contributions, either directly into the harbor waters or through runoff, attributed to pet waste.

Feral Cat Abatement

The County works with the Greyfoot Cat Rescue to remove feral cats from the area, keeping the population to a manageable level but allowing a limited number of cats to remain to aid in rodent control.

Approximately 12-15 feral cats are captured, neutered, and removed from the beach annually to maintain a low feral cat population at the beaches; 19 were removed in 2014. Maintaining a limited population of feral cats near the beaches reduces bacterial contributions from cat waste to the harbor waters, and discouraging beach visitors and neighborhood residents from feeding feral cats aids in maintaining a low cat population.

Fish Waste Disposal Ordinance and Enforcement

The majority of fish waste is disposed of properly, but the TMDL staff report identified fish waste discharged directly into harbor waters or in nearby trashcans (CRWQCB, 2007). Harbor Ordinance No. 6402(f) is in place to prohibit discharge of waste or dead fish at the marine or shore area. Fish waste that is dumped in the harbor waters or improperly disposed of in the harbor area could attract birds, therefore it is expected that eliminating fish waste reduces bacterial contributions from bird waste. The Standard enforcement by the Harbor Patrol include 1) verbal warning, 2) written warning, and 3) written citation tickets. Within the last year, there was one written citation by Harbor Patrol Officer given in October 2013 for VC06406-9.2 live bait.

Bathroom Maintenance

The QMRA study found evidence of diffuse human fecal pollution at both beaches. To discourage beach visitors from utilizing the beach waters as a bathroom, the nearby public bathroom facility is maintained daily by the City of Oxnard's Department of Parks. Maintenance of a clean and accessible bathroom facility reduces swimmer contributions as a source of fecal indicator bacteria at the beaches.

Code and Ordinance Review Program

Stormwater ordinances established by the VCWPD were not always properly adhered to by residents and visitors to the Harbor Beaches.



- Stormwater Ordinance 5540 (adopted in July 2012 to replace Stormwater Ordinance 4142) – Prohibition of non-stormwater discharge to the County storm drain systems or receiving waters.
- Stormwater Ordinance 5540 (adopted in July 2012 to replace Stormwater Ordinance 4142) – No discharge of litter/trash to the County storm drain system or receiving waters.

In order to more effectively enforce stormwater ordinances, consequences of civil penalties will be used. These enhanced efforts discourage people from violating stormwater ordinances.

Beach Grooming

To improve the cleanliness of the beaches and reduce the amount of trash/debris possibly contaminating the harbor waters, a beach cleaner is used to dispose of debris present in the sand. The County purchased new beach grooming equipment for \$134,515 including the tractor (\$81,141, August 2013) and beach cleaner attachment (\$53,374, June 2013). Photographs of the new beach cleaner and tractor, and Kiddie Beach post grooming, are included in Appendix B. A tractor pulling a rake was used for beach cleaning at Kiddie Beach² beginning October, 2013. Kiddie Beach is groomed weekly, although the tide height, amount of visitors on the beach, and availability of an equipment operator determines if beach grooming is feasible on any given week.

5.1.2 Pilot Studies and Structural Controls

Bird Control Measures

The QMRA (SCCWRP, 2013) identified pelicans, gulls, and pigeons as possible sources of FIB and fecal wastes at the beaches. Efforts to reduce bird populations are currently in place, such as discouraging feedings by the public, trash controls, and reducing fish waste in the area. To accompany these efforts, prior to the TMDL, the County Harbor Department tested several bird control measures at the CIH beaches. These efforts included the following:

- Clothesline stands with metallic streamers (“scarecrows”)
- Bird resistant refuse containers (examples shown in Appendix B)
- Increased frequency of beach clean-up

² Hobie beach is mainly rocks and is therefore not suited for grooming.



- Installment of wire rotors on the sea wall
- Installment of the “BirdXpellar”, a device that admits periodic raptor calls

Bird filaments are another potential deterrent that could be used at the beaches, however considerations related to protection of special status species (e.g., brown pelican) restrict their potential use. Other Southern California beaches have used dogs and falcons with mixed success. At this time, the County is focusing its efforts on human and storm drain related sources of bacteria, and therefore is not planning to pursue these options.

Mobile High Pressure Flushing

A lack of circulation in the shallow surf zones at the beaches may contribute to an environment that is able to support elevated levels of bacteria. Therefore, a high pressure water hose was proposed by the Harbor Department to encourage circulation and mixing in the shallow beach areas. This technique was conducted as an experiment. The Harbor Department staff used a high pressure hose on two separate dates and found it to be unproductive for enhancing local water circulation at the Harbor Beaches.

Pilot Enhanced Circulation

A sample conducted at the beaches in 2000 showed that elevated levels of indicator bacteria were only found in samples collected from the surf zone (LWA, 2001). Observations during a dye study at Kiddie Beach noted that there was limited circulation near the beach areas, as dye placed in the surf stayed concentrated within 25 feet of the surf line (LWA, 2001).

Poor circulation in the surf zone creates an environment able to support high bacteria densities. The design of the harbor and inclusion of the surge wall isolate these beach areas from the general circulation in the harbor. Dry weather bacteria exceedances can likely be attributed to local sources, so it is expected that improvements to circulation near the beaches will also improve water quality. No additional circulation studies have been conducted.



5.2 Wet weather IP Recommended BMPs

5.2.1 Institutional BMPs

Downspout Disconnect Program

The Wet Weather IP recommended implementation of a downspout disconnect program to reduce wet weather stormwater discharges to the Harbor. In 2012 the County performed a feasibility assessment of a downspout disconnect program. It was found that due to a lack of roof gutters, small setbacks and minimal landscaping area, implementation of a downspout disconnect program is infeasible and would provide very minimal benefits (the findings are summarized in Appendix B). Therefore, alternatives have been implemented in County tier 1³ areas. The Greens Gardens Group (G³), in coordination with the County, prepared a “Downspout Redirect” workshop brochure and hosted an Ocean Friendly Gardens class on June 14, 2013 (Appendix B). The brochure provides general information, using language intended for the average homeowner, on downspouts redirected to rain barrels, permeable paving, and sponge (rain) gardens, while the classroom seminar taught local residents techniques to install these systems. This program is anticipated to contribute to a reduction in wet weather runoff and bacteria loads from County residential areas to the Harbor.

Pet Ownership Outreach and Enforcement Programs

Several actions have been taken by the County to reduce domesticated dogs as a potential source of contamination. 3,400 flyers educating on pet waste disposal were mailed to all beach residents and boat slip tenants in February 2011 and May 2014. These flyers are also available at public counters and retail areas throughout the Harbor area. A “Watershed Protection Tips for Pet Owners” brochure was developed by the Countywide Stormwater Program and 5,000 copies were made for distribution. In 2014, the County updated the brochure and redistributed it. A pet waste flyer was also developed for the County Harbor Department to educate the public on why it is important to properly dispose of pet waste. These materials are included in Appendix B.

³ A “tier 1” implementation area was identified for the Wet Weather IP to characterize the estimated area that is directly tributary to the Harbor south of Channel Islands Boulevard.



Catch Basin Cleaning

A catch basin cleaning program is currently in place through the MS4 NPDES permit. Catch basins have been classified into three priority groups based on the volume of trash generated, and inspections are performed according to priority group. Catch basins are cleaned as needed based on inspection or whenever they are more than 25% full. County's catch basins draining to the Harbor beaches collect sand and very little trash. Continued inspections and clean outs of the catch basins contribute to water quality improvement in MS4 wet weather discharges to the Harbor.

5.2.2 Structural BMPs

The wet weather IP identified Harbor redevelopment projects that would result in new structural stormwater controls consistent with MS4 requirements for onsite retention and/or treatment of stormwater. Only a single redevelopment project, a boat launch ramp replacement, has been completed with structural BMPs since the submission of the wet weather IP (Figure 3). The project, completed in June 2014, is located on the east channel of the Channel Islands Harbor, west of Victoria Avenue and just north of Curlew Way. Two bioswales and two large Contech stormwater cartridge filtration vaults were constructed to treat runoff from approximately 3.5 acres of impervious area prior to discharge to the Harbor. The filtration vaults are designed to remove 80 percent of particulates that are 50 microns or larger at a water quality flow rate of 0.48 and 0.6 cfs.

5.2.3 Storm Drain Outfall Monitoring Program

The Wet Weather IP identified storm drain outfall monitoring as an important activity to help prioritize outfalls for possible treatment retrofit projects. The concept was developed and applied for funding under the Clean Beaches Initiative Grant Program in August 2013; however, funding has not been awarded. After discussions with the State Water Resources Control Board Financial Assistance Program (Clean Beaches Initiative) staff, it was recognized that due to on-going improvements, the project schedule may be inappropriate to meet the funding program goals. Also, an invitation for resubmittal suggested focusing on dry weather only.

5.3 Additional BMPs (Not Identified in IPs)

Additional BMPs were identified for implementation based on findings from the QMRA study.



5.3.1 Sewer Line Replacement

A sewer replacement project implemented in 2014 involved the replacement of 8,500 linear feet of cured in place pipe (CIPP) and 1,200 linear feet of open trench pipe (9,700 linear feet total), including a section that runs along Victoria Avenue parallel to Kiddie and Hobie Beaches on the east side of the street (see Figure 3). The pipeline was installed in 1966 and had experienced several failures throughout the years. Observation during the most recent failure in 2003 indicated that the pipe was near the end of its useful life.

This work was a capital improvement project with the Channel Islands Beach Community Services (CIBCS) as the lead agency. The project began on July 22, 2014, and newly rehabilitated force mains near the beaches were placed in service around October 22, 2014. Replacement of these sewer lines reduces the chance that sewage will leak from the sewer system and travel to the harbor or storm drains through the subsurface.

5.3.2 Storm Drain Outfall

A storm drain outfall on Hobie Beach is owned and operated by the City of Oxnard, and receives surface runoff from two catch basins on S. Victoria Ave. During the 2012 SCCWRP study, the outfall discharged very high Enterococcus concentrations, and a concentration gradient was observed in the surf zone downstream of the outfall. However, no surface runoff entered the storm drain, and the high Enterococcus concentrations were caused by growth in the storm drain and tidal flushing. The County and City of Oxnard agreed to collaborate on the drain outfall retrofit project to eliminate dry-weather FIB inputs to Hobie Beach. The City is currently planning to install a Tideflex valve (<http://www.tideflex.com/tf/index.php>) on the outfall to reduce backwater ponding and bacteria regrowth in the storm drain.

5.3.3 Dry-weather Diversion

Prior to the TMDL, the Silver Strand Pump Station discharged dry weather storm drain flows into the Harbor waters at the southern end of Kiddie Beach. Dry weather flows were temporarily diverted to the sanitary sewer system from October 1999 to October 2000, resulting in lower total and fecal coliform concentrations at Kiddie Beach. A permanent diversion structure was then installed in 2003 to divert dry weather storm drain flows to the sewer system. From 2003 to October 2014 the diversion was active during the summer dry periods with periodic disturbances due to operational issues or weather (i.e., the diversion pump was switched off before forecasted storms during the



summer). The VCWPD continues to operate and maintain this storm drain diversion system, and has recently modified the system to operate during year-round dry weather. The VCWPD is in the process of re-negotiating the agreement for discharge of the diverted flows into CIBCS facility for treatment during year-round dry weather. This is expected to result in further reduction of dry weather exceedances at Kiddie Beach.

5.3.4 Parking Lot Drain Removal

Improvements to parking lot drainage have recently been implemented, and these improvements have aided in preventing dry and wet weather flows originating at the Kiddie Beach parking lot from reaching the beach. No direct runoff from the parking lot of Kiddie Beach is discharged onto the beach sand. The elimination of stormwater runoff from these parking areas reduces bacteria contributions to the beach during wet weather.

5.3.5 Marina Facilities

The County Harbor Department prohibits septic and other illicit discharges from boats, and pump-out facilities are located in the harbor to encourage the public to pump their septic and holding tanks instead of discharging into harbor waters. Dye tablets are also distributed to boaters to reveal if boat holding tanks are being emptied into the harbor waters.

The County Harbor Marinas were certified as a Clean Marina by the Clean Marina California Program on February 22, 2006. Four sewage pump-out facilities and a bilge pump-out facility are maintained monthly to help prevent pollutant loading in the Harbor. Maintaining strict regulation at the marina limits the illegal discharges that could contribute bacteria directly to the harbor waters.

5.3.6 Ordinances

Many sources of bacterial loads contributing to the pollution at the beaches are associated with human activity. The County has established numerous county ordinances to regulate the behavior of the public to help reduce pollutants entering the harbor waters. In addition, CIBCS adopted Ordinance No. 75 to establish water conservation and water supply shortage program and regulations including water use restrictions, which aid reduction of urban runoff and nuisance flows within the beach community.

- County Ordinance No. 4450 – No discharge of pollutants, bacteria, or trash into County storm drains.



- Harbor Ordinance 6408 – No deposition of refuse, trash, sewage, or waste matter in water of harbor or outer harbor.
- County Parks Ordinance No. 6408-3 – Trash must be placed in trash receptacles.
- Parks Ordinance 6306-3 – No removal of objects from trash receptacles; and rubbish must be placed in specified locations.
- CIBCS Water Conservation Ordinance 75 - In accordance with water conservation efforts, residents are prohibited from hosing down hard/paved surfaces or generating runoff from landscape areas onto hard surfaces/pavement. Residents must also use a hose equipped with a self-closing spray nozzle when washing vehicles.

Enforcement of these ordinances are likely reducing pollutant contributions entering the harbor, either directly or through runoff, generated from human activity.

6. CONCLUSIONS

The dry weather monitoring results from 2009 to 2013 show no exceedances of the interim WLAs required by the TMDL. Additionally, during that time period the results indicated compliance with the final WLAs. Meanwhile, numerous dry weather BMPs and studies have been implemented. These activities are expected to result in continued water quality improvement during summer and winter dry periods. In addition to these completed activities, including very recent sewer line replacement work, the VCWPD has recently identified a new enhancement to the diversion at the Kiddie Beach storm drain outfall. The storm drain diversion will be operating during winter dry weather in addition to the current schedule of summer dry weather as soon as an agreement for diversion flows discharges into CIBCS facilities for treatment and disposal is executed. This is expected to eliminate storm drain discharges to the Harbor Beaches during year-round dry weather and further lower bacterial concentrations.

Dry weather final WLAs became effective on December 18, 2013. There were no exceedances at Hobie Beach after this date, and the exceedance days at Kiddie Beach are summarized in Table 7. Nine of the twelve days when either single sample or geometric mean limits were exceeded at Kiddie Beach occurred when the Silver Strand storm drain diversion pump was not operating per the current operational schedule of April 15 to September 30 and the historic pumping records, a condition that is expected to improve as soon as the year-round dry weather diversion schedule becomes effective. Two of these exceedance days occurred during dredging activities along the main channel near the harbor entrance close to Kiddie Beach, which was a temporary condition unrelated to the MS4 operation (photographs of dredging activities are shown in Appendix B). Eleven of the twelve exceedance days occurred on or before a



rehabilitated forcemain near Kiddie Beach was placed back into service, which is another completed action that may result in improved bacteria concentrations at the beaches.

Heal the Bay’s 2014 Beach Report Card rated the Harbor beaches favorably, awarding Hobie Beach an “A” for both summer and winter dry, and Kiddie Beach an “A” for summer dry and “B” for winter dry. These grades are significant improvements from prior to the TMDL, when Hobie Beach received a grade of “F” for the years 2000 to 2003 and Kiddie Beach received a grade of “F” for the years 2000, 2001, 2002, and 2004.

Table 7. Exceedance Days at Kiddie Beach (after December 18, 2013)

Date	Season	Single Sample Exceedances ¹		Geometric Mean Exceedances ²	Comments
		Fecal Coliforms (MPN/100 mL)	Enterococcus (MPN/100mL)	Enterococcus (MPN/100mL)	
TMDL Threshold		400	104	35	
12/23/2013	Winter Dry			39	Diversion pump off ³
1/27/2014			364		Diversion pump off ³
2/18/2014			344	42	Diversion pump off ³
2/24/2014				60	Diversion pump off ³
3/10/2014				37	Diversion pump off ³
3/17/2014			831	89	Diversion pump off ³
3/24/2014				44	Diversion pump off ³
4/1/2014	Summer Dry		344		Diversion pump off ³ , follow-up sample did not exceed
4/15/2014			750		Diversion pump off ³ , follow-up sample did not exceed
10/21/2014		703	659	35.4	Diversion pump off ³ , Dredging started on 10/14/2014
10/22/2014 ⁴		624	738	59	Diversion pump off ³ , Rehabilitated forcemain placed in service 10/22/2014, dredging started on 10/14/2014
10/28/2014				63	Diversion pump off ³ , Dredging started on 10/14/2014

1. There were no single sample exceedances of the water quality objective for total coliforms or ratio of fecal-to-total coliform during 2014.



2. There were no geometric mean exceedances of the water quality objective for fecal coliforms or total coliforms during 2014.
3. Current diversion pump operating schedule is between April 15 and September 30 per executed Agreement among VCWPD, CICBS, City of Oxnard, and City of Port Hueneme.
4. This was a follow-up sample.

Wet weather final WLAs will become effective on December 18, 2018. The wet weather monitoring results from 2009 to 2014 were below both the interim and final WLAs for both Hobie Beach and Kiddie Beach, except for interim WLAs at Kiddie Beach in 2011. With implementation of the BMPs defined in the Wet Weather IP, it is expected that the water quality during wet weather will improve and the number of wet weather exceedance days will continue to decrease. This is supported by recent wet weather monitoring results that suggest a significant improvement in beach water quality since the TMDL⁴.

Heal the Bay also awarded high grades for the Harbor Beaches for during wet weather. Hobie Beach and Kiddie Beach were both given an “A” grade for wet weather in 2014. Again this is a significant improvement over the pre-TMDL condition, in which Hobie Beach received an “F” grade from 2000 to 2003 and Kiddie Beach received an “F” grade from 2000 to 2007 (excluding 2006).

⁴ Based on the period of record used in the TMDL (April 1999-March 2006), AB411 monitoring data indicated that Kiddie and Hobie Beaches exceeded water quality objectives 51 percent and 43 percent of the time, respectively, during wet weather. However, since the TMDL effective date (February 2009 – October 2014), wet weather exceedance percentages were 29 percent and 26 percent at Kiddie and Hobie Beaches, respectively, indicating significant water quality improvement since the TMDL.



7. REFERENCES

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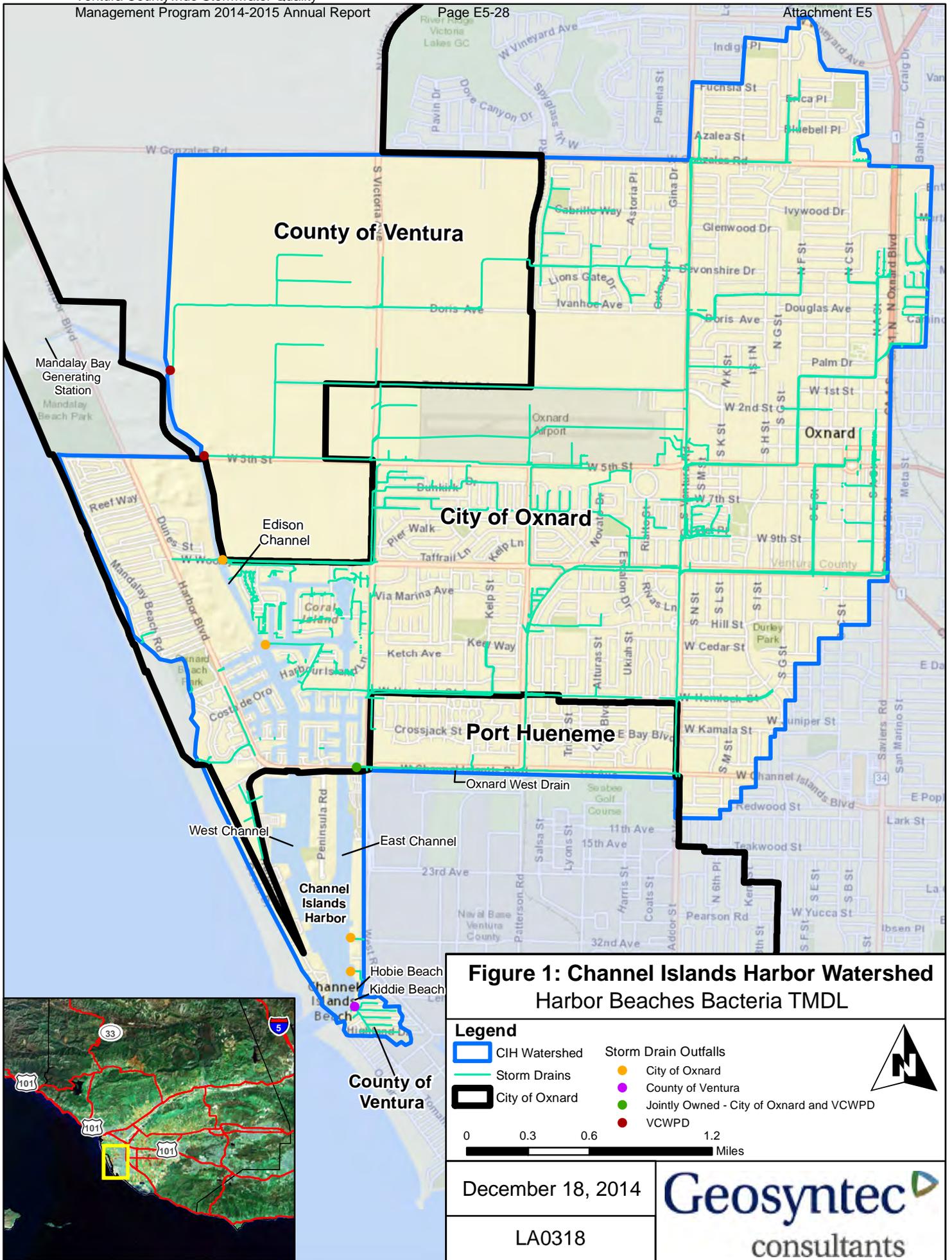
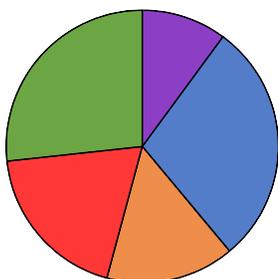




Figure 2: County MS4 and Land Use Harbor Beaches Bacteria TMDL

County Land Uses in CIH Watershed



- Commercial (10.1%)
- Marina Water Facilities (28.8%)
- Multi-family Residential (15.3%)
- Single-family Residential (19.1%)
- Parks and Recreation (26.7%)

Legend

- Storm Drain Outfalls (County)
 - CIH Watershed
 - Storm Drains¹
 - City of Oxnard
 - Land Use
 - Parks and Recreation
 - Marina Water Facilities
 - Commercial
 - Multi-family Residential
 - Single-family Residential
- 0 500 1,000 2,000 Feet
1. Only key County storm drains discharging directly to Harbor Beaches are shown.

December 18, 2014

LA0318

Geosyntec
consultants



Figure 3: Details for BMP Implementation
Harbor Beaches Bacteria TMDL

Legend

- Storm Drains (City of Oxnard)
- Wastewater Gravity Sewer
- Wastewater Force Main
- Storm Drains (County of Ventura)
- Boat Launch Ramp Redevelopment Project
- ▲ QMRA Monitoring Locations
- CIH Watershed
- Storm Drain Outfalls (City of Oxnard)
- Storm Drain Outfalls (County of Ventura)



0 450 900 1,800 Feet

December 18, 2014

LA0318



Appendix A

Draft CIH Bacteria TMDL Data Analysis Report

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1. INTRODUCTION

1.1 Background

The Harbor Beaches of Ventura County, or Kiddie Beach and Hobie Beach, located within the Channel Island Harbor (CIH), are included on the California 303(d) list for bacteria. To address this, a Total Maximum Daily Load (TMDL) was developed for the CIH beaches. The TMDL, an amendment to the Water Quality Control Plan for the Los Angeles Region (Basin Plan), became effective on December 18, 2008 (Resolution R2007-017). The TMDL Basin Plan Amendment contains numeric limits based on REC-1¹ bacteriological water quality objectives for marine water. The allowable pollutant loadings under the TMDL, or waste load allocations (WLAs), are expressed as an allowable number of days per year that the water quality objectives can be exceeded. The TMDL single sample interim and final WLAs were included in the 2009 Ventura County MS4 Permit, for three seasons: (1) summer dry weather (April 1 to October 31), (2) winter dry weather (November 1 to March 31), and (3) wet weather days (defined as days of 0.1 inches of rain or more plus the three days following the rain event). The geometric mean WLAs listed in the TMDL Basin Plan Amendment are not incorporated into the Ventura County MS4 permit. The Amendment requires submittal of a Compliance Report by December 18, 2014, that summarizes monitoring results relative to TMDL WLAs (this appendix) and implemented activities to improve water quality at the beaches.

The TMDL was developed based on a reference system/antidegradation approach. Therefore, the allowable number of exceedance days for each monitoring site are based on the more stringent of two criteria: (1) exceedance days in the designated reference system (Leo Carrillo Beach), or (2) exceedance days based on historical bacteriological data at the monitoring site (1999-2006). This ensures that bacteriological water quality is at least as good as that of a largely undeveloped system and that there is no degradation of existing water quality. In the case of the CIH beaches the number of exceedance days at the reference beach was the more stringent criteria (LARWQCB 2007).

This report presents results from a data analysis performed on the weekly monitoring data for indicator bacteria at the CIH beaches for the TMDL WLAs for which compliance dates have passed; these include the interim and final summer and winter dry weather single sample WLAs, the interim wet weather single sample WLA, and the interim and final geometric mean WLAs. The weekly monitoring data for indicator bacteria at the CIH Beaches were compared with the REC-1 single sample and geometric mean objectives. An

¹ The REC-1 beneficial use category covers uses of water for recreational activities involving body contact with water, where ingestion of water is reasonably possible. These uses include, but are not limited to, swimming, wading, water-skiing, skin and scuba diving, surfing, white water activities, fishing, or use of natural hot springs. (LARWQCB 1994)

exceedance day was counted when any indicator bacteria density exceeded the single sample objective or the rolling 30-day geometric mean objective. Exceedance days were then compared to the interim and final allowable exceedance days for each season.

1.2 Data Analysis Objectives

The following single sample water quality objectives for waters designated REC-1 are referenced in the TMDL:

- a. Total coliform density shall not exceed 10,000 MPN/100 mL.
- b. Fecal coliform density shall not exceed 400 MPN/100 mL.
- c. Enterococcus density shall not exceed 104 MPN/100 mL.
- d. If the ratio of fecal-to-total coliform exceeds 0.1, total coliform density shall not exceed 1,000 MPN/100mL.

The single sample WLAs, based on a weekly sampling frequency, are expressed as annual allowable exceedance days and are shown in Table 1 (interim) and Table 2 (final).

Table 1. Interim Single Sample WLAs for Weekly Sampled Sites, Expressed as Annual Allowable Exceedance Days

Location	Summer Dry Weather	Winter Dry Weather	Wet Weather
Hobie Beach	6	4	6
Kiddie Beach	8	4	5

Table 2. Final Single Sample WLAs for Weekly Sampled Sites, Expressed as Annual Allowable Exceedance Days

Location	Summer Dry Weather	Winter Dry Weather	Wet Weather
Hobie Beach	0	1	3
Kiddie Beach	0	1	3

The following rolling 30-day geometric mean water quality objectives for waters designated REC-1 are referenced in the TMDL:

- a. Total coliform density shall not exceed 1,000 MPN/100 mL.
- b. Fecal coliform density shall not exceed 200 MPN /100 mL.
- c. Enterococcus density shall not exceed 35 MPN/100 mL.

The interim 30-day rolling geometric mean WLAs, based on a weekly sampling frequency, are expressed as allowable exceedance days in the TMDL Basin Plan

Amendment and are shown in Table 3. The final 30-day rolling geometric mean WLAs are zero allowable exceedance days during any season.

Table 3. Interim 30-day Rolling Geometric Mean WLAs for Weekly Sampled Sites, Expressed as Allowable Exceedance Days

Location	Summer Weather	Winter Weather
Hobie Beach	12	13
Kiddie Beach	8	14

The interim WLAs (listed in Table 1 and Table 3) became effective the date the TMDL went into effect (December 18, 2008) and are applicable until the final WLAs become effective as shown in Table 4.

Table 4. Effective Dates of Final WLAs

Calculation Type and Time Period	Effective Date of Final WLAs
Single Sample WLAs for Dry Weather	December 18, 2013
Single Sample WLAs for Wet Weather	December 18, 2018
Rolling 30-day Geometric Mean WLA	December 18, 2013

1.3 Monitoring Summary

Monitoring at the CIH Beaches is based on TMDL and State monitoring requirements. Monitoring occurs at the beach sampling locations (VCEHD 36000 and VCEHD 37000) on a weekly frequency, year-round. Samples are collected in ankle to knee deep water.

This analysis includes water quality monitoring data from February 4, 2009 through October 31, 2014. The majority of monitoring data were collected by the Ventura County Environmental Health Department (VCEHD). Some dates with missing data from the VCEHD were filled in with monitoring data collected by the Ventura County Water Protection District (VCWPD).

Sampling has generally occurred on a weekly basis. Typically, if a dry weather sample exceeded a water quality objective a follow-up sample was collected on the following day. As a result, there are numerous weeks with back-to-back sample days. The monitoring periods with unfilled gaps, where samples were not collected by the VCEHD or VCWPD, include the following periods, with explanations for why each period was missed:

- 12/18/2008 – 1/28/2009 (Hobie and Kiddie Beach): State budget cut for ocean water testing, no funding available for this time period.
- 11/22/2010 – 1/17/2011 (Hobie Beach): No sampling due to beach maintenance (gate locked).

- 12/17/2012 – 2/18/2013 (Hobie Beach): Dredging equipment on beach, area fenced (no access).
- 9/9/2014 (Hobie and Kiddie Beach): Dredging equipment on beach, area fenced (no access).
- 9/30/2014 (Hobie Beach): Dredging equipment on beach, area fenced (no access).
- 10/21/2014 (Hobie Beach): Dredging equipment on beach, area fenced (no access).

2. ANALYSIS METHODOLOGY

2.1 Single Sample

For each sample result, the measured indicator bacteria concentrations were compared to the single sample water quality objectives. If any one of the objectives were exceeded, one exceedance was counted, with exceedance counts summed by season to compare with weekly sampling allowed exceedance days. Occasional follow-up samples result in multiple samples in a week. If both samples exceed objectives, this is counted as one weekly exceedance. However, if the first day exceeds but the second day does not, this counts as 1/7 (0.143) of a weekly exceedance since allowed exceedance days assume strict weekly sampling.

Single sample exceedance day totals were analyzed by season. For each TMDL year (November 1 – October 31), sampling days were classified as a winter dry, summer dry, or wet day. Wet days are classified as days with at least 0.1 inches of rain and the three days following, based on daily rainfall data from the CIH station (#215)². Winter dry weather is defined as days between November 1 and March 31 that are not classified as wet days. Summer dry weather includes days between April 1 and October 31 that are not wet weather days. The number of allowable exceedance days listed in the TMDL Basin Plan Amendment were calculated, by the Regional Board staff, based on the number of wet days during the 90th percentile storm year³ (LARWQCB 2007). There were 79 wet days during the 90th percentile storm year at the CIH rain gage station (based on 50 years of record, 1964-2013). None of the TMDL compliance years had more wet days than the 90th percentile storm year; though 2011 had the same number of wet days (i.e. was a 90th percentile storm year).

² Note that the TMDL used historical rainfall data from the Los Angeles International Airport (LAX) meteorological station for calculating the WLAs, since this station has the longest historical rainfall record (54 years) in the Los Angeles region.

³ The “storm year” is defined as November 1 to October 31 to be consistent with the TMDL years.

2.2 Geometric Mean

The 30-day rolling geometric mean calculations were performed based on approaches set forth by the TMDL Basin Plan Amendment, the TMDL staff report (LARWQCB, 2007), and conversation with LARWQCB staff (Man Voong, personal communication, October 16, 2014). These approaches maintain that geometric means are to be computed based on a minimum of five samples on a rolling 30-day basis during each TMDL season.

For weekly geometric mean calculations, the following procedure is used:

1. A rolling 30-day geometric mean is calculated every day that a sample is collected, as long as the following conditions are true:
 - a. There are at least five samples collected in the rolling 30-day window.
 - b. The 30-day window is contained within the same season (i.e. summer or winter).
2. If there are not at least five samples in the 30-day window or all samples were not collected during the same season, there are insufficient samples to perform the geometric mean calculation.

Recent Southern California MS4 permits and TMDL include slight variations on the calculation approach of geometric means, including the exclusion of wet weather results in the calculation (San Diego MS4 permit, 2013) and the calculation of a 6-week rolling geometric mean (LARWQCB, 2014).

The number of geometric mean calculations performed on weekly samples and the total number of geometric mean objective exceedances, separated by summer and winter season, were used to determine an exceedance percentage for each TMDL year and season. Sampling days with insufficient data to calculate a geometric mean (as defined above) did not contribute to the exceedance percentage. Similar to the single sample calculations, a follow-up sample (collected after an exceedance day) that was above an objective was not counted as a separate exceedance. A follow-up sample that was below an objective meant the first day was only counted as a fractional exceedance (1/7 or 0.143), since allowed exceedance days assume strict weekly sampling.

4. RESULTS

4.1 Single Sample Results

The 2009-2013 single sample exceedance days for dry weather (both summer and winter) are compared to interim allowable exceedance days. The 2014 TMDL year results are compared to interim allowable exceedance days for data collected before December 18, 2013, while data collected for the remainder of the TMDL year are compared to final allowable exceedance days. All single sample exceedance days for wet weather are compared to the interim allowable exceedance days since the final wet weather WLAs are not effective until 2018.

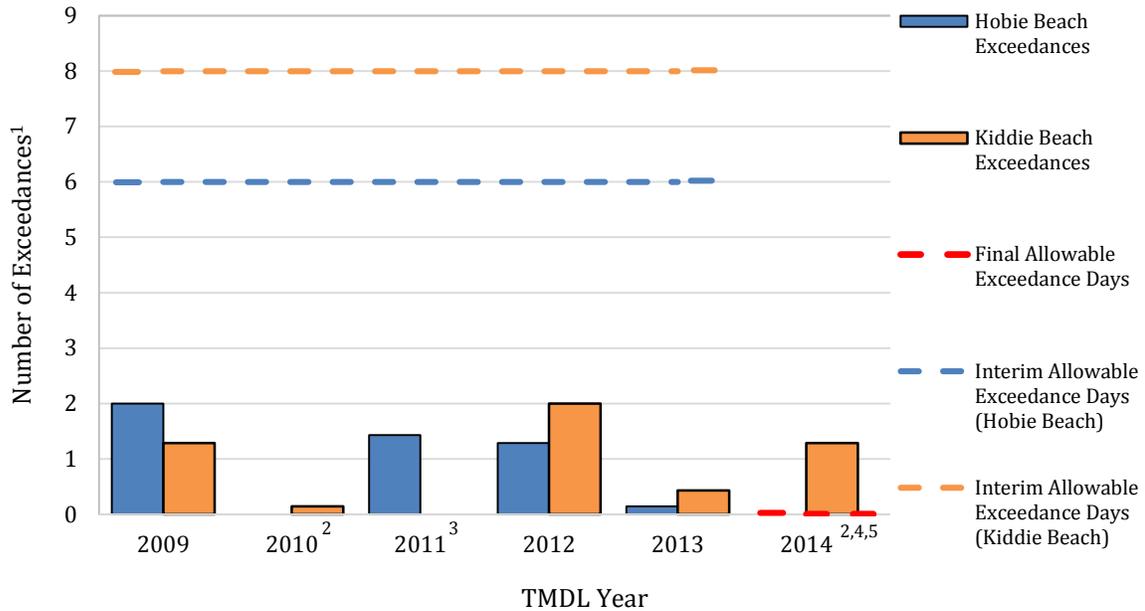
Table 5 through Table 7 summarize the seasonal monitoring results for each TMDL year including the total number of weekly samples collected at each location, the number of single sample exceedance days based on water quality objectives discussed in section 1.2, and the resulting exceedance percentage. The interim and final allowable exceedance days are included for each location and the seasons during which exceedance days were above the allowable exceedance days are highlighted. These data are shown graphically in Figure 1 through Figure 3.

Table 5. Summer Dry Weather Single Sample Monitoring Results

TMDL Year (Apr 1 – Oct 31)	Samples Collected		Exceedance Days ¹		Allowable Exceedance Days		Exceedance Percentage ²	
	Hobie Beach	Kiddie Beach	Hobie Beach	Kiddie Beach	Hobie Beach	Kiddie Beach	Hobie Beach	Kiddie Beach
2009	29	29	2.0	1.3	6	8	6.9%	10%
2010	26	26	0	0.14	6	8	0%	3.8%
2011	28	28	1.4	0	6	8	14%	0%
2012	31	31	1.3	2.0	6	8	13%	13%
2013	29	29	0.14	0.43	6	8	3.4%	10%
2014 ^{3,4}	28	30	0	1.3	0	0	0%	13%

1. As discussed in section 2.1, if a follow-up sample did not exceed a water quality objective, then only a fractional exceedance was counted for that week.
2. Exceedance percentage represents total number of sampled exceedance days divided by the total number of samples collected by season.
3. Three weeks were not sampled this season at Hobie Beach.
4. One week was not sampled this season at Kiddie Beach.

Figure 1. Summer Dry Weather Single Sample Exceedances



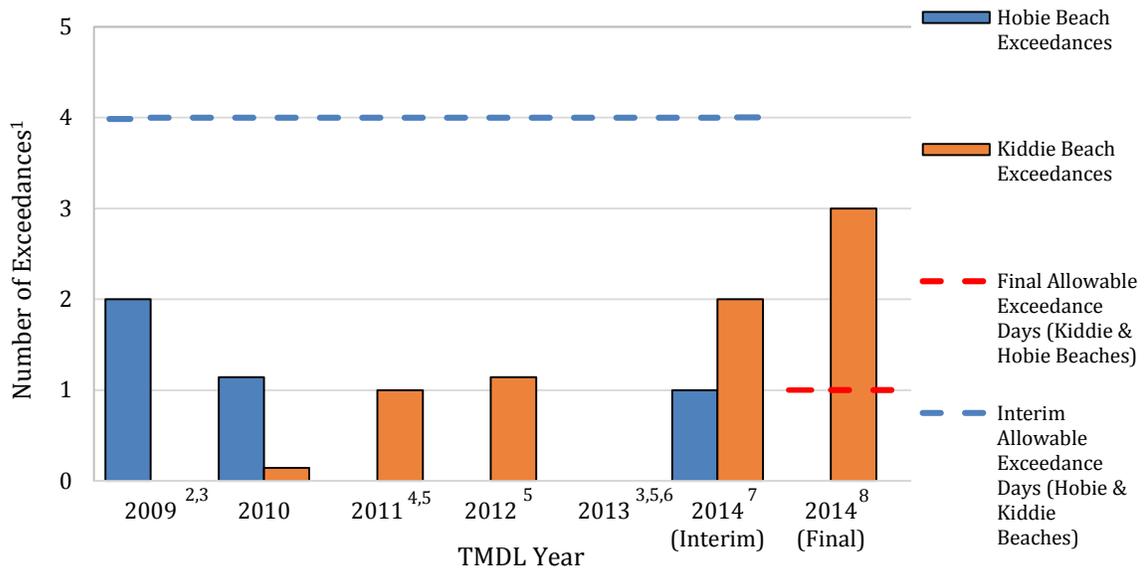
1. As discussed in section 2.1, if a follow-up sample did not exceed a water quality objective, then only a fractional exceedance was counted for that week.
2. Zero exceedance days in 2010 and 2014 at Hobie Beach.
3. Zero exceedance days in 2011 at Kiddie Beach
4. Three weeks are not sampled in 2014 at Hobie Beach.
5. One week was not sampled in 2014 at Kiddie Beach.

Table 6. Winter Dry Weather Single Sample Monitoring Results

TMDL Year (Nov 1 – Mar 31)	Samples Collected		Exceedance Days ¹		Allowable Exceedance Days		Exceedance Percentage ²	
	Hobie Beach	Kiddie Beach	Hobie Beach	Kiddie Beach	Hobie Beach	Kiddie Beach	Hobie Beach	Kiddie Beach
2009 ³	6	6	2.0	0	4	4	33%	0%
2010	14	14	1.1	0	4	4	21%	7.1%
2011 ⁴	6	10	0	1.0	4	4	0%	10%
2012	15	15	0	1.1	4	4	0%	13%
2013 ⁵	9	15	0	0	4	4	0%	0%
2014 (Interim) ⁶	6	6	1	2.0	4	4	17%	33%
2014 (Final) ⁷	12	12	0	3.0	1	1	0%	25%

1. As discussed in section 2.1, if a follow-up sample did not exceed a water quality objective, then only a fractional exceedance was counted for that week.
2. Exceedance percentage represents total number of sampled exceedance days divided by the total number of samples collected by season.
3. Ten weeks were not sampled this season at Hobie and Kiddie Beach. Five weeks of the winter season were not sampled because the TMDL was not effective until December 18, 2008, and five weeks were not sampled because of state budget cuts for ocean water testing.
4. Four weeks were not sampled this season at Hobie Beach.
5. Seven weeks were not sampled this season at Hobie Beach.
6. 2014 (Interim) include dates before December 18, 2013
7. 2014 (Final) includes December 18, 2013 and subsequent days.

Figure 2. Winter Dry Weather Single Sample Exceedances



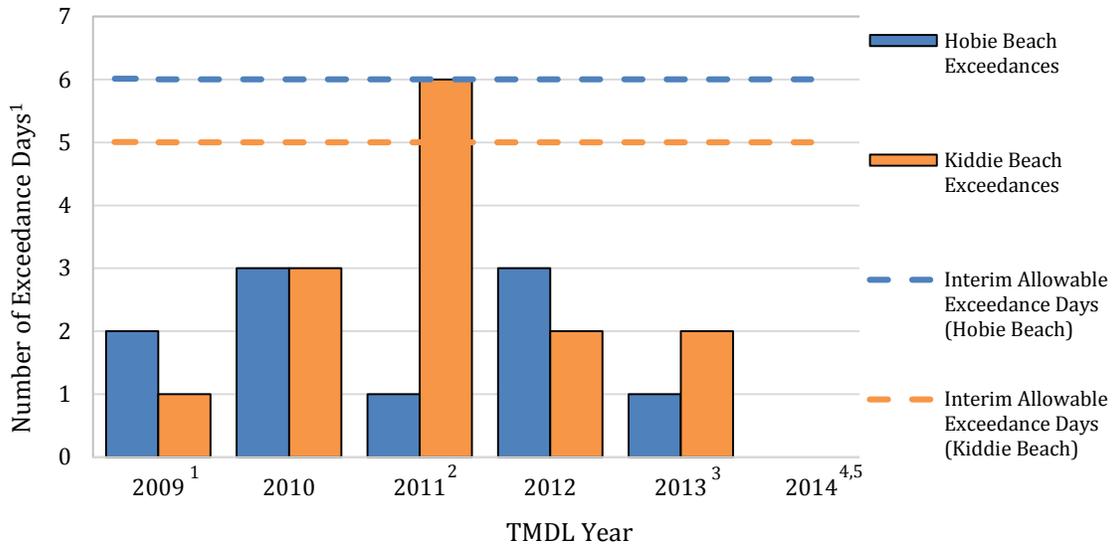
1. As discussed in section 2.1, if a follow-up sample did not exceed a water quality objective, then only a fractional exceedance was counted for that week.
2. Ten weeks were not sampled in 2009 at Hobie and Kiddie Beach. Seven weeks of the winter season were not sampled because the TMDL was not effective until December 18, 2008, and six weeks were not sampled because of state budget cuts for ocean water testing.
3. Zero exceedance days in 2009 and 2013 at Kiddie Beach
4. Four weeks were not sampled in 2011 at Hobie Beach.
5. Zero exceedance days in 2011, 2012 and 2013 at Hobie Beach.
6. Seven weeks were not sampled in 2013 at Hobie Beach.
7. 2014 (Interim) include dates before December 18, 2013.
8. 2014 (Final) includes December 18, 2013 and subsequent days.

Table 7. Wet Weather Single Sample Monitoring Results

TMDL Year (Nov 1-Oct 31)	Wet Weather Days	Samples Collected		Exceedance Days ¹		Allowable Exceedance Days		Exceedance Percentage ²	
		Hobie Beach	Kiddie Beach	Hobie Beach	Kiddie Beach	Hobie Beach	Kiddie Beach	Hobie Beach	Kiddie Beach
2009 ³	63	4	4	2	1	6	5	50%	25%
2010	71	12	12	3	3	6	5	25%	25%
2011 ⁴	79	9	14	1	6	6	5	11%	43%
2012	46	7	7	3	2	6	5	43%	29%
2013 ⁵	56	4	8	1	2	6	5	25%	25%
2014	25	3	3	0	0	6	5	0%	0%

1. Follow-up samples were not collected for wet weather days. Therefore, the exceedance day totals only include sampled days.
2. Exceedance percentage represents total number of sampled exceedance days divided by the total number of samples collected by season.
3. Three weeks were not sampled this season and Hobie and Kiddie Beaches. Two weeks (where weekly sampling would have occurred on a wet day) were not sampled because the TMDL was not effective until December 18, 2008, and one week was not sampled because of state budget cuts for ocean water testing.
4. Five weeks were not sampled this season at Hobie Beach.
5. Three weeks were not sampled this season at Hobie Beach.

Figure 3. Wet Weather Single Sample Exceedances



1. Three weeks were not sampled in 2009 at Hobie and Kiddie Beaches. Two weeks (where weekly sampling would have occurred on a wet day) were not sampled because the TMDL was not effective until December 18, 2008, and one week was not sampled because of state budget cuts for ocean water testing.
2. Five weeks were not sampled in 2011 at Hobie Beach.
3. Three weeks were not sampled in 2013 at Hobie Beach.
4. Zero exceedance days in 2014 at Hobie Beach.
5. Zero exceedance days in 2014 at Kiddie Beach.

4.2 Geometric Mean Results

The 2009-2013 geometric mean exceedance days (i.e., exceedances of any of the rolling 30-day geometric mean objectives) are compared to interim allowable exceedance days. The 2014 TMDL year results for data collected before December 18, 2013 are compared to interim allowable exceedance days, while data collected on or after December 18, 2013 are compared to final allowable exceedance days. Summaries of geometric mean calculation results for the summer and winter weather monitoring data are shown in Table 8 and Table 9.

The number of weekly geometric means calculated for both locations are included along with the number of exceedance days based on geometric mean water quality objectives. Allowable exceedance days for each TMDL year were also included and exceedance days for the given TMDL year and location were highlighted when they surpassed the allowable exceedance days. Geometric mean exceedance days, including interim and final allowable exceedance days, are illustrated for summer in Figure 4 and winter in Figure 5.

Table 8. Summer Geometric Mean Exceedance Results

TMDL Year (Apr 1 – Oct 31)	Days with Geometric Mean Calculations		Exceedance Days ¹		Allowable Exceedance Days		Exceedance Percentage ²	
	Hobie Beach	Kiddie Beach	Hobie Beach	Kiddie Beach	Hobie Beach	Kiddie Beach	Hobie Beach	Kiddie Beach
2009	26	28	1.0	0	12	8	3.8%	0%
2010	28	27	0	0	12	8	0%	0%
2011	28	26	0	0	12	8	0%	0%
2012	30	29	1.9	3.9	12	8	6.7%	17%
2013	28	30	0	3.0	12	8	0%	13%
2014 ^{3,4}	18	22	0	2.0	0	0	0%	0%

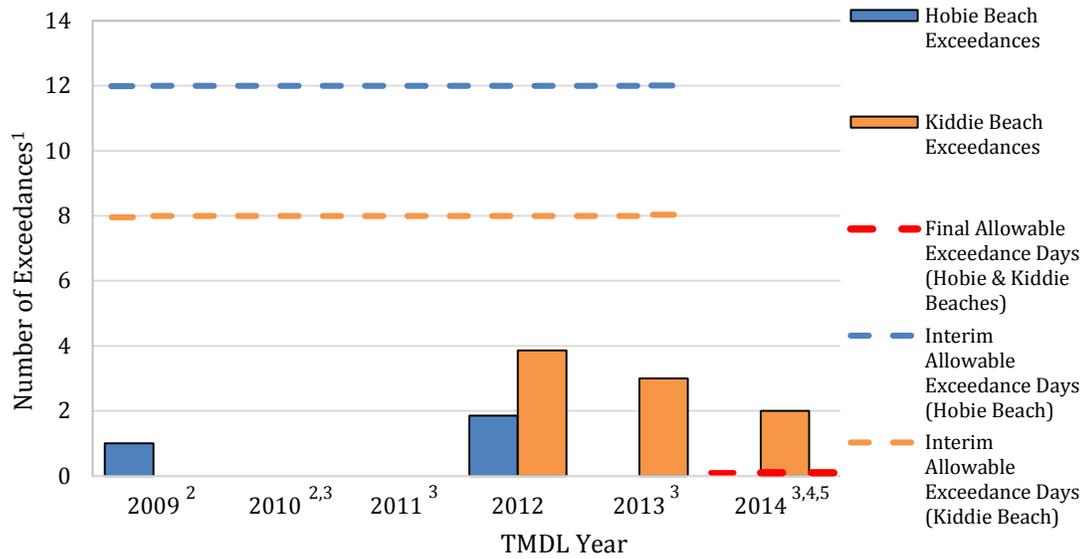
1. As discussed in section 2.1, if a follow-up sample did not exceed a water quality objective, then only a fractional exceedance was counted for that week.

2. Exceedance percentage represents total number of sampled exceedance days divided by the total number of sample days with geometric mean calculations by season.

3. Three weeks were not sampled this season at Hobie Beach.

4. One week was not sampled this season at Kiddie Beach.

Figure 4. Summer Weekly Geometric Mean Exceedances



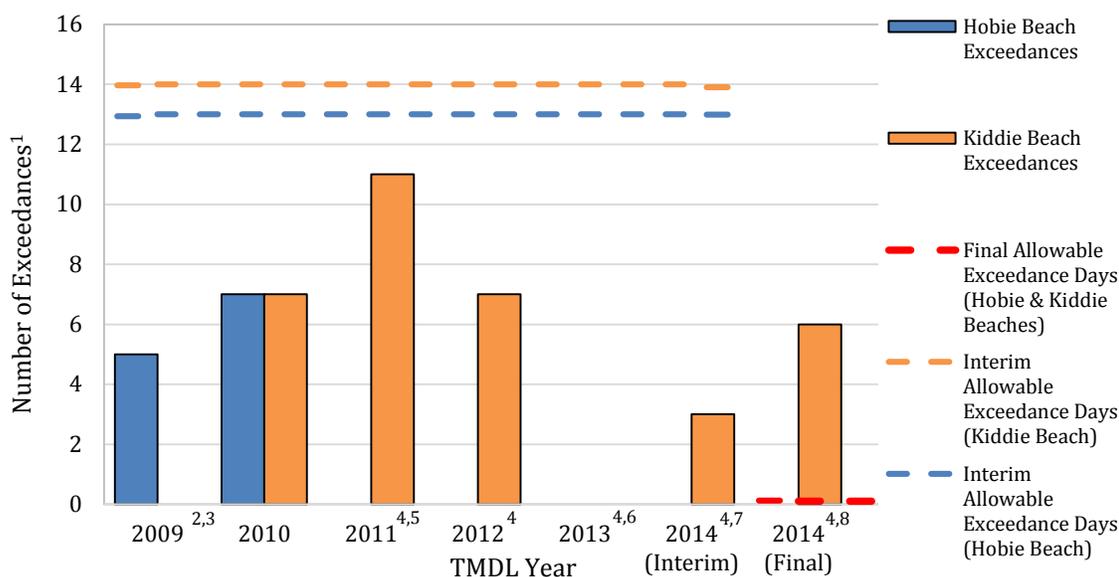
1. As discussed in section 2.1, if a follow-up sample did not exceed a water quality objective, then only a fractional exceedance was counted for that week.
2. Zero geometric mean exceedances in 2009 and 2010 at Kiddie Beach.
3. Zero geometric mean exceedances in 2010, 2011, 2013, and 2014 at Hobie Beach.
4. Three weeks were not sampled in 2014 at Hobie Beach.
5. One week was not sampled in 2014 at Kiddie Beach.

Table 9. Winter Geometric Mean Exceedance Results

TMDL Year (Nov 1 – Mar 31)	Days with Geometric Mean Calculations		Exceedance Days ¹		Allowable Exceedance Days		Exceedance Percentage ²	
	Hobie Beach	Kiddie Beach	Hobie Beach	Kiddie Beach	Hobie Beach	Kiddie Beach	Hobie Beach	Kiddie Beach
2009 ³	5	5	5.0	0	13	14	100%	0%
2010	20	19	7.0	7.0	13	14	40%	42%
2011 ⁴	6	17	0	11	13	14	0%	65%
2012	17	17	0	7.0	13	14	0%	41%
2013 ⁵	3	15	0	0	13	14	0%	0%
2014 (Interim) ⁶	3	3	0	3.0	13	14	0%	100%
2014 (Final) ⁷	17	17	0	6.0	0	0	0%	35%

1. As discussed in section 2.1, if a follow-up sample did not exceed a water quality objective, then only a fractional exceedance was counted for that week.
2. Exceedance percentage represents total number of sampled exceedance days divided by the total number of sample days with geometric mean calculations by season.
3. Thirteen weeks were not sampled this season at Hobie and Kiddie Beaches. Seven weeks were not sampled because the TMDL was not effective until December 18, 2008, and six weeks were not sampled because of state budget cuts for ocean water testing.
4. Nine weeks were not sampled this season during this year at Hobie Beach.
5. Ten weeks were not sampled this season during this year at Hobie Beach.
6. 2014 (Interim) include dates before December 18, 2013.
7. 2014 (Final) includes December 18, 2013 and subsequent days.

Figure 5. Winter Weekly Geometric Mean Exceedances



1. As discussed in section 2.1, if a follow-up sample did not exceed a water quality objective, then only a fractional exceedance was counted for that week.
2. Thirteen weeks were not sampled in 2009 at Hobie and Kiddie Beaches. Seven weeks were not sampled because the TMDL was not effective until December 18, 2008, and six weeks were not sampled because of state budget cuts for ocean water testing.
3. Zero geometric mean exceedances in 2009 at Kiddie Beach.
4. Zero geometric mean exceedances in 2011, 2012, 2013, and 2014 at Hobie Beach.
5. Nine weeks were not sampled in 2011 at Hobie Beach.
6. Ten weeks were not sampled in 2013 at Hobie Beach.
7. 2014 (Interim) include dates before December 18, 2013.
8. 2014 (Final) includes December 18, 2013 and subsequent days.

5. OBSERVATIONS

There were no summer and winter dry weather seasons in which interim WLAs were exceeded and only Kiddie Beach exceeded the final summer and winter dry weather WLAs during 2014. However, Hobie Beach had missing data for three weekly samples and Kiddie Beach missed one weekly sample. Total exceedances days could have been potentially higher than reported, along with other years containing significant missing data.

Although final allowable exceedance days for wet weather sampling do not become effective until 2018, the majority of wet seasons between 2009 and 2014 met the final allowable exceedance days of three days for both beaches. Only the 2011 wet season surpassed the interim allowable exceedance days for wet weather sampling.

Similar to single sample dry weather monitoring results, there were no geometric mean exceedances of interim WLAs at Kiddie or Hobie beaches and only Kiddie Beach

exceeded the final WLAs during 2014. However, total geometric mean exceedances days could have been potentially higher than reported if all weeks were sampled, along with other years containing significant missing data.

Appendix B

Additional Information for Implemented BMPs



CONTENTS

1	<i>SCCWRP Monitoring Activities</i>	3
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4	<i>Downspout Disconnect Program</i>	7
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7	<i>Bird Control Measures</i>	23
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1 SCCWRP MONITORING ACTIVITIES





2 PUBLIC INFORMATION AND PARTICIPATION PROGRAM





3 PROPER PET WASTE DISPOSAL





4 DOWNSPOUT DISCONNECT PROGRAM

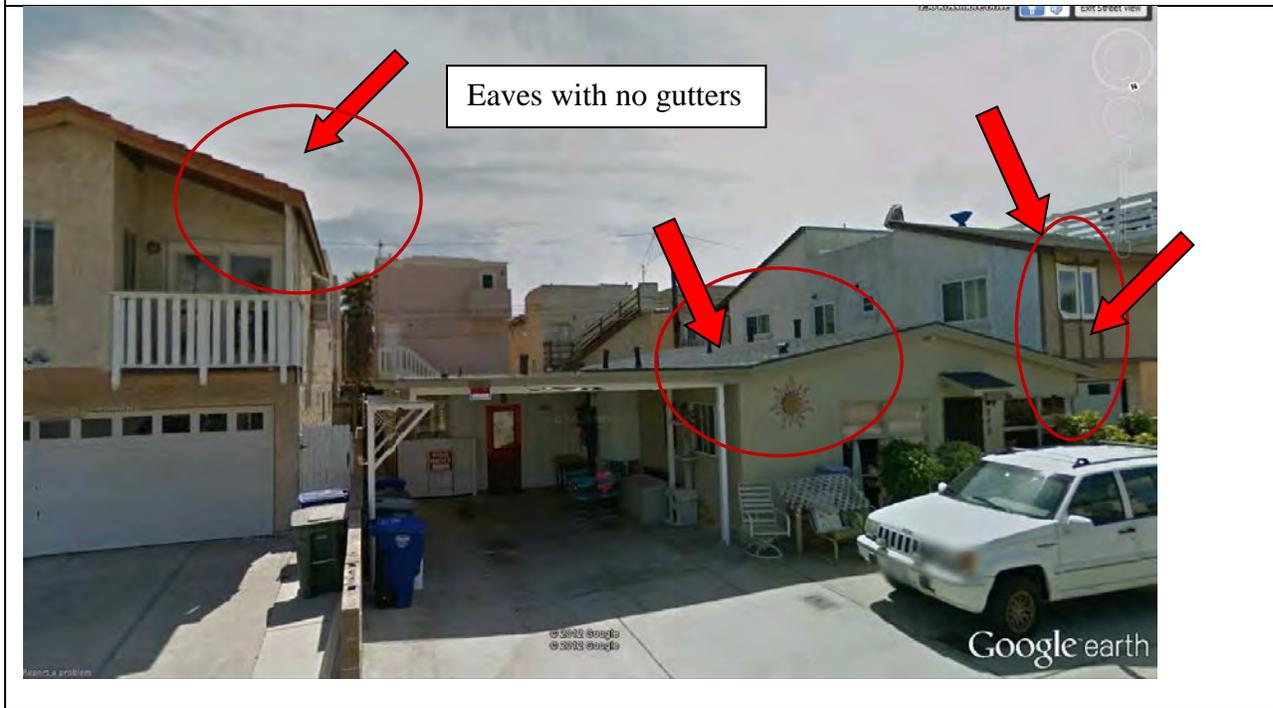
The City of Portland has been implementing an effective downspout retrofit program since 1996. They report that over 56,000 property owners have disconnected their downspouts, resulting in a significant reduction in potential pollutant loading to storm drains. This program requires that overflows from rain barrels be directed onto a yard or landscape area and must meet certain safety requirements. Roof runoff must also be discharged at least five feet away from any property lines and the discharge pipe should not flow towards the building or neighboring property. Soakage trenches should be at least ten feet away from buildings and five feet away from property and utility lines.

In development of the downspout disconnect program, the County of Ventura reports that the majority of homes in the tier 1 area, Silver Strand and Hollywood Beach, do not have gutters or downspouts. The following pictures include examples of homes in the area, showing that many have no gutters or downspouts. It was reported that approximately ten percent of homes on Rossmore Drive have downspouts or gutters, and a maximum of 40 percent of homes on Ocean Drive have gutters or downspouts.

These homes also have small setbacks and minimal or no landscape areas to discharge rainbarrel or rain water flows. The following pictures show the three foot side yard setback, five foot rear setback, and 20 foot paved front yard at a home in Silver Strand, CA. They also illustrate the density of homes in Silver Strand and the lack of green landscaping areas, and contrast the setbacks and landscaping of typical homes in Portland, OR. The home has five to ten foot side yard setbacks, 20 to 40 foot rear yard setbacks, and 20 feet of a landscaped front yard. The lower home density and increase in green landscaping area is illustrated.



Rossmore Drive 272-256 (About 10% of homes in this area have gutters or downspouts)



Rossmore Drive 284-272



Rossmore Dr. 285-295



Rossmore Dr 324-318



Rossmore Dr. 341-361



Rossmore Dr. 368-374



Ocean Drive 3430-3424 (Maximum of 40% with gutters or downspouts on Ocean Drive)

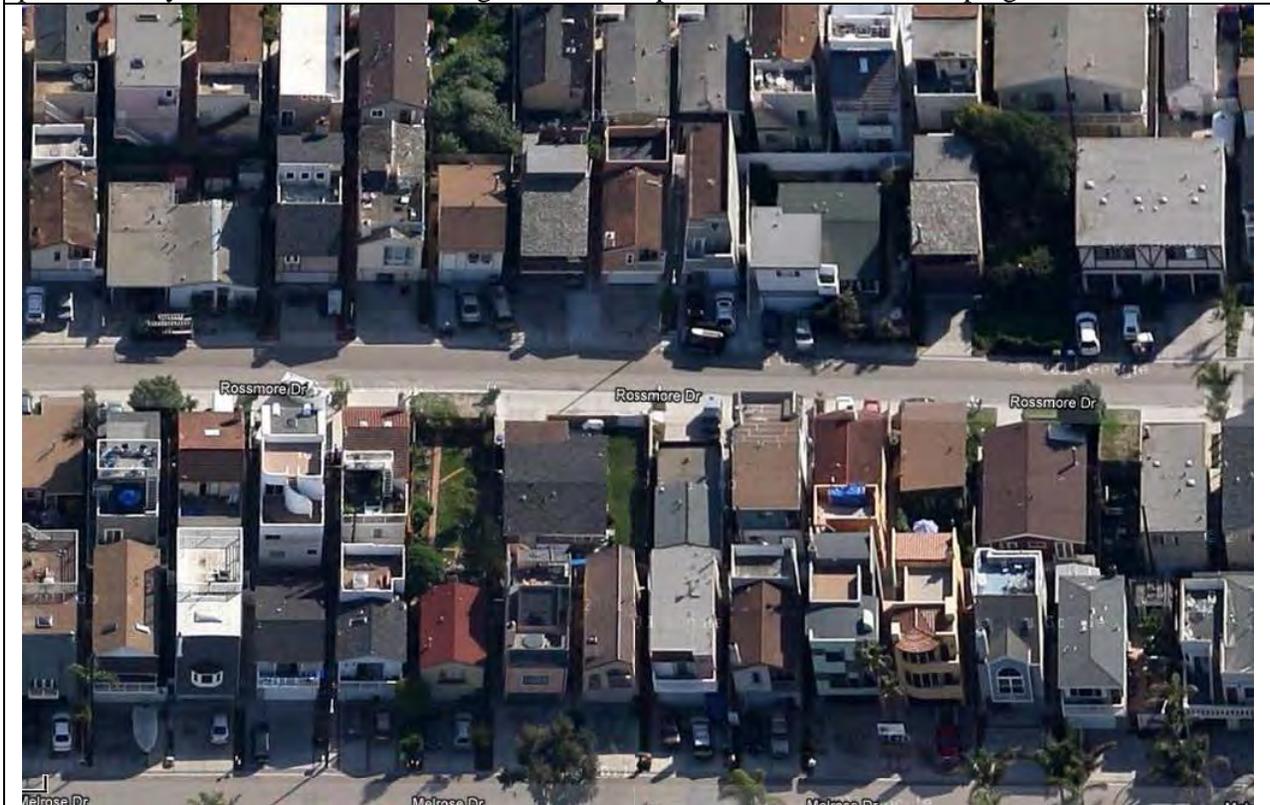


Ocean Drive 3424 – Internal routing of gutters

Portland, OR vs. Silver Strand, CA

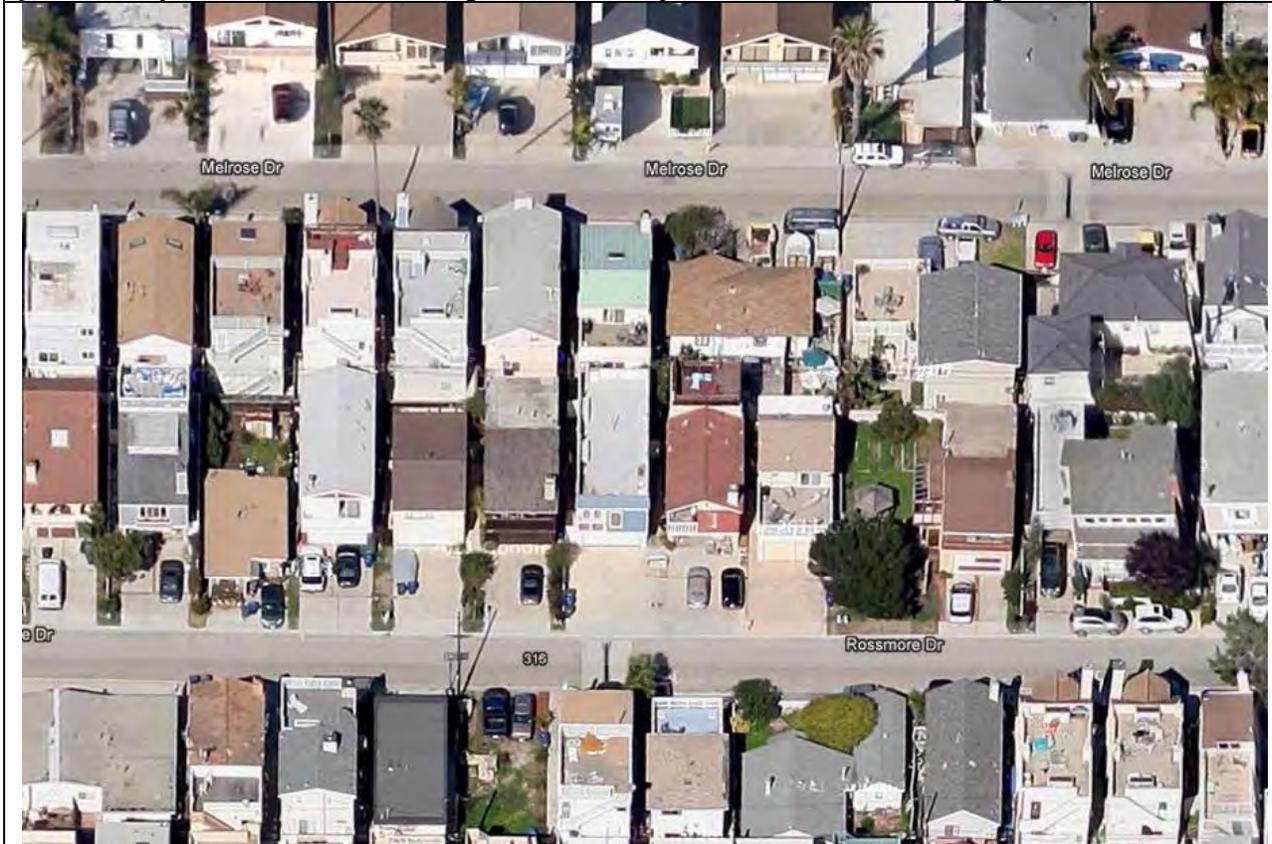


SILVER STRAND, CA - Rossmore Drive, 264-256: 3 ft side yard setbacks, 5 ft rear setbacks, 20 ft paved front yard setbacks. Few or no gutters/ downspouts, little or no landscaping to direct water to.





SILVER STRAND, CA - Rossmore Drive, 301-309: 3 ft side yard setbacks, 5 ft rear setbacks, 20 ft paved front yard setbacks. Few or no gutters or downspouts, little or no landscaping to direct water to.



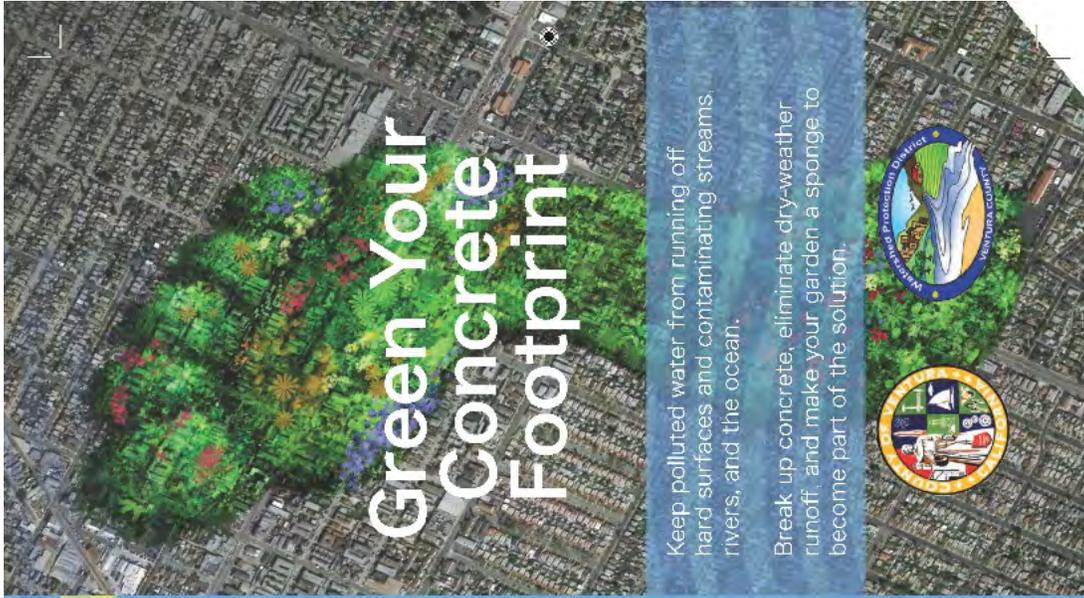
Portland, OR

Typical Residential Development



PORTLAND OR - 2704, SE Kelly: 5-10 side yards, 20-40 rear yard setbacks, 20 ft landscaped front yards





Green Your Concrete Footprint

Keep polluted water from running off hard surfaces and contaminating streams, rivers, and the ocean.

Break up concrete, eliminate dry-weather runoff, and make your garden a sponge to become part of the solution.



Build Ocean Friendly Gardens Berms Are Beautiful



Sheet mulching covers grass with wet paper, compost, and fresh tree trimmings (mulch) to effectively remove the grass by composting it in place. The downspout in this front yard connected underground to the street, and polluted the nearby waterway. The homeowner decided to redirect it into the garden.



After a few months of sheet mulching, the grass is gone and healthy soil remains. Big, beautiful berries create high and low spots.



Almost two years later, the dry climate adapted plants are singing! The downspout runs all of the rainwater into the front yard, and the homeowner has not had to use irrigation during the summer. By keeping 3 or 4 inches of mulch on the garden to retain moisture, eliminate weeds, and feed the Living Soil, this homeowner has a low stress, beautiful Ocean Friendly Garden.



Conservation

Bricks To Sponges
Is your soil a BRICK or a SPONGE? Sponges are Living Soil filled with microorganisms working together to feed plants, gather water when it's dry and release water when it's too wet. Mulch, add compost, and aerate soil to turn it into a sponge.



Permeability

Swales Are Swell
A planted swale is a contour on the land that collects, conveys and filters water running through a site, removing pollutants by infiltration into the soil. Flat yards increase runoff while the mounds on either side of the swale (called berms) keep water on site, giving it time to sink in.



Retention

Slow, Spread, Sink
Instead of Paving, Plopping, and Pouring rainwater, Slow it down, Spread it out, and Sink as much as you can to reduce your water needs in the landscape, and keep pollution off the beach. An added bonus of Retention is that groundwater may be recharged.



www.greengardensgroup.com

Let's Break It Down

Before

- green roof
- permeable pavement
- planter beds
- cut driveway strips
- planter beds

redirect gutter downspouts into planter beds & vegetated areas between houses & driveways

planter beds

After

Every time it rains, pollutants you can see (tons of plastic bags, soda cups, straws, and cigarette butts) are mixed with those you can't see (pesticides, fertilizers, dog waste) and sent to the nearest waterway.

Even on dry days, millions of gallons of drinking water are flushed into the waterways after they have run through the dirty streets and storm drains.

End of pipe solutions are not enough. What you do on your property can solve the problem. Be a part of the solution, not the pollution.

Breaking Up Is Easy To Do

Permeable Paving

Replace concrete and asphalt with paving materials that have gaps between them allowing water to flow through rather than run off. These pavers are beautiful too.

Beachini Driveway

Remove a strip down the middle of the driveway and fill with gravel or sand or rainwater storage cell (See insert). Water has a place to get sponged up, and your vehicle fringes let on the remaining concrete.

Break Old Habits

Pick Up After Pup

Thousands of pounds of pet waste, including bacteria and parasites that threaten the health of people and wildlife, wash into storm drains and flow directly into our waterways every time it rains. When you walk your pet, carry disposable bags to pick up and deposit waste in a trashcan.

Broom To Groom

Driveways don't grow when you water them, and you just waste drinking water. Use a broom to clear hard outdoor surfboards. Sweep up any debris blown into the street and place in the appropriate trash bin.

Cars To A Car Wash

Take your car to a certified car wash, where you know they are capturing all the used water for proper treatment. Car washing in your driveway cuts dirt and soap into the storm drain, contributing to ocean pollution.

Hold On To Your Butt

Cigarette butts take decades to break down, all the while polluting our soils and degrading our beaches and water quality. Hold on to your butt, and dispose of it properly!

Redirect A Downspout

Got downspouts? Redirect them into landscape areas or planter boxes. Keep water from going to the street via your driveway by capping gutters and a downspout directed to landscape. Add a rain chain that flows water down into a barrel or planter area.

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Beachini Driveway

Remove a strip down the middle of the driveway and fill with gravel or sand or rainwater storage cell (See insert). Water has a place to get sponged up, and your vehicle fringes let on the remaining concrete.

Carve A Path

Break up a continuous concrete pathway or driveway and re-set the stones (called 'chained') in a sand or gravel bed. Grass or barbs paths can be beautiful and artistic while simultaneously increasing permeability.

Breaking Up Is Easy To Do

Permeable Paving

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Beachini Driveway

Remove a strip down the middle of the driveway and fill with gravel or sand or rainwater storage cell (See insert). Water has a place to get sponged up, and your vehicle fringes let on the remaining concrete.

Roll Out A Barrel

Replace your downspout with a rainchain to slow and direct roof water into a 50 gallon rainbarrel. Got more space? Add another barrel. Then use the water for veggies, pets, or fill a bathtub.

Breaking Up Is Easy To Do

Permeable Paving

Replace concrete and asphalt with paving materials that have gaps between them allowing water to flow through rather than run off. These pavers are beautiful too.

Beachini Driveway

Remove a strip down the middle of the driveway and fill with gravel or sand or rainwater storage cell (See insert). Water has a place to get sponged up, and your vehicle fringes let on the remaining concrete.

Liberate A Curb

Cutting your curb and allowing water to enter a parkway, median or other landscape area adjacent to the street, uses soil to filter and absorb runoff before entering the ocean. Check with your County Transportation Department for restrictions and guidelines.

5 PET OWNERSHIP OUTREACH AND ENFORCEMENT

Watershed Protection Tips for Pet Owners

The Watershed Should Only Shed Water

The storm drain system is a vast network of gutters, pipes and open channels designed for flood control, which directs runoff – untreated – from the watershed straight into the waterways.

Polluted stormwater contaminates streams, rivers and lakes. It can kill or damage plants, fish and wildlife, and can degrade the quality of our water.

The Community for a Clean Watershed program was established to protect Ventura County's watershed by preventing stormwater pollution.

What Is Our Watershed?

Our watershed is the total land area, including your yard, from which stormwater drains into streams, rivers or other bodies of water. In Ventura County our primary watersheds drain into the Ventura and Santa Clara Rivers, Malibu and Calleguas Creeks and the marinas and estuaries that flow into the Pacific Ocean.

For more information on how to keep our watersheds clean, go to cleanwatershed.org.

VENTURA COUNTY'S COMMUNITY FOR A CLEAN WATERSHED

CHANNEL ISLANDS MARINE VENTURA COUNTY

Facts About Pet Waste



Every time it rains, thousands of pounds of accumulated and untreated pet waste in Ventura County can potentially wash into storm drains and flow directly into our streams, lakes and the ocean.

Pet waste runoff includes bacteria and parasites that threaten the health of both people and wildlife, as well as create an overly rich nutrient environment, causing excess weed and algae growth.

A clean and healthy watershed is invaluable to the well-being and beauty of our community. Simple precautions can protect and preserve our watersheds.

What Can You Do?

There are safe methods for handling and disposing of pet waste. By following these easy practices you can protect both the environment and your health.

- Pick up pet waste daily from your yard. While "organic," pet waste is not a safe fertilizer in your yard or in the watershed.
- When you walk your pet, always carry disposable bags to pick up and dispose of waste properly.

Dispose of Dog Waste Properly

- Put dog waste in the trash. Wrap it carefully in a sealed bag to prevent spillage during collection.
- Dog waste can be flushed down the toilet, so it can be properly treated at a sewage treatment plant. Be sure not to flush the pet waste bag.



Dispose of Cat Waste Properly

- Put cat waste, including cat litter, in the trash. Wrap it carefully in a sealed bag to prevent spillage during collection. Cat waste and litter should only be disposed of in the trash.
- Do not flush cat waste or used litter down the toilet.
- Do not mix cat waste or used litter into your garden soil.

Cat waste has been associated with various diseases found in marine mammals as a result of pathogens that end up in the storm drain system or are not eliminated during sewage treatment.



cleanwatershed.org

Pet Waste Is Pollution

Bag it

Pet waste stations are located around the Harbor, but just in case, bring plastic bags with you when you walk your dog. Use a bag to pick up the dog waste. Tie the bag closed and throw it in the trash.

Options at Home

Flush dog and cat waste down the toilet. Kitty litter should not be flushed because it can clog your toilet. Double bag kitty litter, tie the bag shut and throw it in the trash.



**Thanks for Keeping Our Harbor and
Beaches Clean!**



County of Ventura Harbor Department
3900 Pelican Way
Oxnard, CA 93035
805 382 3001
www.channelislandsharbor.org

*Please!
Pick Up
After
Your Pet!*



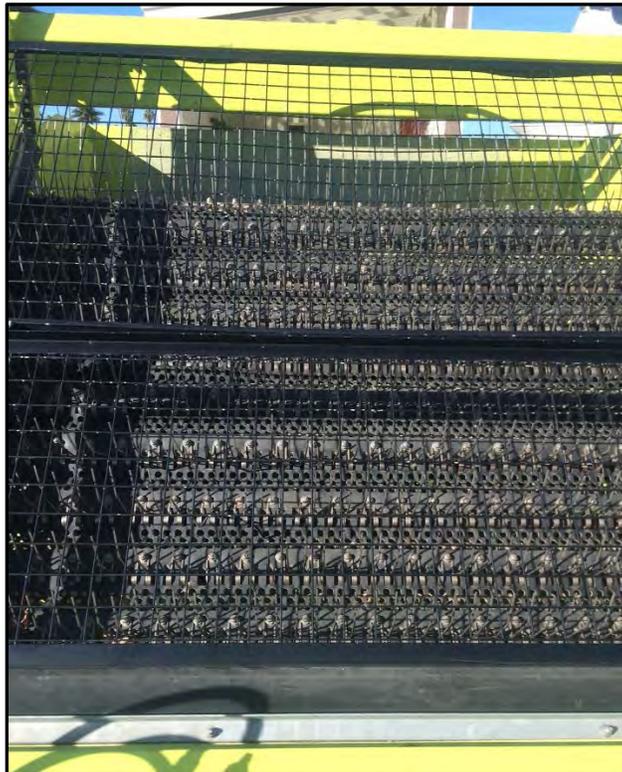
Dog waste left on the street or lawns is not fertilizer. The bacteria in dog waste is often washed down storm drains and ends up directly in the Harbor where it can contaminate large areas of beaches and waterways.

Kitty litter dumped outside can be washed into the Harbor. The bacteria in pet waste can make it unsafe to swim on the beaches or fish in the nearby waters.

Did you know?

One day's waste from one large dog can contain 7.8 billion fecal coliform bacteria, enough to contaminate up to 15 acres of water area. Fecal coliform can make humans sick. Small children are even more likely to become ill from fecal bacterial!

6 BEACH GROOMING







7 BIRD CONTROL MEASURES



8 OUTREACH AND EDUCATION CLASSES

Ocean Friendly Gardens™ Class

Reduce Urban Runoff Pollution + Conserve Water



When: Saturday, June 15, 2013 • 10:00 a.m. to 1:00 p.m.

**Where: School Cafeteria
Hollywood Beach Elementary
4000 Sunset Lane, Oxnard CA 93035**

Sign Up Today! It's

FREE

Space is Limited!

Call Now!
805.477.7139
Registration Deadline
June 12, 2013

Attend this interactive, action packed class taught by a Green Gardens Group landscape designer and learn to:

Develop an Ocean Friendly Garden™

- Install permeable surfaces and on-site water retaining systems
- Use native plants
- Understand water efficient irrigation devices

Use Surfrider Foundation's Principles of CPR® (Conservation • Permeability • Retention) to transform your thirsty landscape into an ocean friendly asset that prevents beach and ocean pollution, saves time and money, and creates wildlife habitat.

- A light snack and drinks will be provided -



For more information, please contact Jason Burke at the County of Ventura Public Works Agency: (805) 477-7139 or by email at jason.burke@ventura.org



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9 DREDGING ACTIVITIES





Appendix C

Environmental Health Department – Water Quality Testing Raw Data

RUN ON 06/30/09

WATER QUALITY RESULTS
FROM COLL DATE 06/30/09
THRU COLL DATE 06/30/09
LOCATION: ENVH, ENVH

Date	Time	Source	Specimen ID	T. COLI MPN/100 ml	E. coli MPN/100 ml	ENTERO MPN/100 ml
06/30/09	0845	OCEAN	EN,VH 29,000	20	<10	<10
06/30/09	0851	OCEAN	EN,VH 30,000	20	<10	<10
06/30/09	0900	OCEAN	EN,VH 32,000	10	<10	<10
06/30/09	0906	OCEAN	EN,VH 33,000	<10	<10	<10
06/30/09	0914	OCEAN	EN,VH 34,000	10	<10	<10
06/30/09	0921	OCEAN	EN,VH 35,000	10	10	<10
06/30/09	0930	OCEAN	EN,VH 36000	<10	<10	<10
06/30/09	0940	OCEAN	EN,VH 37,000	20	10	10
06/30/09	0950	OCEAN	EN,VH 38,000	10	<10	<10
06/30/09	0955	OCEAN	EN,VH 39,000	<10	<10	<10
06/30/09	1000	OCEAN	EN,VH 40,000	<10	<10	<10
06/30/09	1025	OCEAN	EN,VH 41,000	<10	<10	<10
06/30/09	1035	OCEAN	EN,VH 42,000	<10	<10	<10
06/30/09	1043	OCEAN	EN,VH 43,000	<10	<10	<10
06/30/09	1050	OCEAN	EN,VH 44,000	10	<10	<10
06/30/09	1115	OCEAN	EN,VH 45,000	74	<10	<10
06/30/09	1125	OCEAN	EN,VH 46,000	<10	<10	<10
06/30/09	1135	OCEAN	EN,VH 47,000	<10	<10	<10
06/30/09	1145	OCEAN	EN,VH 49,000	<10	<10	<10
06/30/09	1158	OCEAN	EN,VH 50,000	10	10	<10
06/30/09	1305	OCEAN	EN,VH Blank	<10	<10	<10

**WATER QUALITY RESULTS
 FROM COLL DATE 07/07/09
 THRU COLL DATE 07/07/09
 LOCATION: ENVH, ENVH**

RUN ON 07/07/09

Date	Time	Source	Specimen ID	T. COLI MPN/100 ml	E. coli MPN/100 ml	ENTERO MPN/100 ml
07/07/09	0850	OCEAN	EN,VH 29,000	<10	<10	<10
07/07/09	0855	OCEAN	EN,VH 30,000	10	<10	<10
07/07/09	0902	OCEAN	EN,VH 32,000	<10	<10	<10
07/07/09	0908	OCEAN	EN,VH 33,000	<10	<10	<10
07/07/09	0915	OCEAN	EN,VH 34,000	10	<10	<10
07/07/09	0920	OCEAN	EN,VH 35,000	20	10	<10
07/07/09	0930	OCEAN	EN,VH 36,000	31	<10	<10
07/07/09	0935	OCEAN	EN,VH 37,000	<10	<10	<10
07/07/09	0945	OCEAN	EN,VH 38,000	<10	<10	<10
07/07/09	0955	OCEAN	EN,VH 39,000	10	<10	<10
07/07/09	1000	OCEAN	EN,VH 40,000	52	20	10
07/07/09	1020	OCEAN	EN,VH 41,000	<10	<10	<10
07/07/09	1025	OCEAN	EN,VH 42,000	<10	<10	<10
07/07/09	1030	OCEAN	EN,VH 43,000	<10	<10	<10
07/07/09	1038	OCEAN	EN,VH 44,000	<10	<10	<10
07/07/09	1105	OCEAN	EN,VH 45,000	<10	<10	<10
07/07/09	1113	OCEAN	EN,VH 46,000	<10	<10	<10
07/07/09	1120	OCEAN	EN,VH 47,000	10	10	<10
07/07/09	1130	OCEAN	EN,VH 49,000	41	<10	<10
07/07/09	1145	OCEAN	EN,VH 50,000	31	<10	<10
07/07/09	1300	OCEAN	EN,VH Blank	<10	<10	<10

WATER QUALITY RESULTS
FROM COLL DATE 07/14/09
THRU COLL DATE 07/14/09
LOCATION: ENVH, ENVH

RUN ON 07/14/09

Date	Time	Source	Specimen ID	T. COLI MPN/100 ml	E. coli MPN/100 ml	ENTERO MPN/100 ml
07/14/09	0850	OCEAN	EN,VH 29,000	52	<10	<10
07/14/09	0856	OCEAN	EN,VH 30,000	98	<10	<10
07/14/09	0905	OCEAN	EN,VH 32,000	86	10	<10
07/14/09	0910	OCEAN	EN,VH 33,000	20	<10	<10
07/14/09	0915	OCEAN	EN,VH 34,000	122	10	<10
07/14/09	0922	OCEAN	EN,VH 35,000	31	10	<10
07/14/09	0942	OCEAN	EN,VH 36,000	318	<10	<10
07/14/09	0955	OCEAN	EN,VH 37,000	<10	<10	<10
07/14/09	1000	OCEAN	EN,VH 38,000	10	<10	<10
07/14/09	1008	OCEAN	EN,VH 39,000	10	10	<10
07/14/09	1015	OCEAN	EN,VH 40,000	20	<10	<10
07/14/09	1035	OCEAN	EN,VH 41,000	<10	<10	<10
07/14/09	1045	OCEAN	EN,VH 42,000	20	10	<10
07/14/09	1050	OCEAN	EN,VH 43,000	<10	<10	<10
07/14/09	1059	OCEAN	EN,VH 44,000	20	10	42
07/14/09	1122	OCEAN	EN,VH 45,000	<10	<10	<10
07/14/09	1130	OCEAN	EN,VH 46,000	<10	<10	<10
07/14/09	1139	OCEAN	EN,VH 47,000	<10	<10	<10
07/14/09	1150	OCEAN	EN,VH 49,000	<10	<10	<10
07/14/09	1159	OCEAN	EN,VH 50,000	<10	<10	<10
07/14/09	1300	OCEAN	EN,VH Blank	<10	<10	<10

**WATER QUALITY RESULTS
 FROM COLL DATE 07/21/09
 THRU COLL DATE 07/21/09
 LOCATION: ENVH, ENVH**

RUN ON 07/21/09

Date	Time	Source	Specimen ID	T. COLI MPN/100 ml	E. coli MPN/100 ml	ENTERO MPN/100 ml
07/21/09	0850	OCEAN	EN,VH 29,000	216	85	<10
07/21/09	0900	OCEAN	EN,VH 30,000	63	10	10
07/21/09	0908	OCEAN	EN,VH 32,000	62	<10	<10
07/21/09	0912	OCEAN	EN,VH 33,000	122	31	<10
07/21/09	0920	OCEAN	EN,VH 34,000	41	<10	<10
07/21/09	0925	OCEAN	EN,VH 35,000	10	<10	<10
07/21/09	0935	OCEAN	EN,VH 36,000	20	<10	<10
07/21/09	0945	OCEAN	EN,VH 37,000	203	<10	31
07/21/09	0950	OCEAN	EN,VH 38,000	31	10	10
07/21/09	0958	OCEAN	EN,VH 39,000	10	<10	<10
07/21/09	1006	OCEAN	EN,VH 40,000	10	<10	<10
07/21/09	1027	OCEAN	EN,VH 41,000	10	<10	<10
07/21/09	1035	OCEAN	EN,VH 42,000	<10	<10	<10
07/21/09	1040	OCEAN	EN,VH 43,000	20	<10	<10
07/21/09	1045	OCEAN	EN,VH 44,000	10	10	<10
07/21/09	1114	OCEAN	EN,VH 45,000	161	161	<10
07/21/09	1123	OCEAN	EN,VH 46,000	122	<10	10
07/21/09	1128	OCEAN	EN,VH 47,000	<10	<10	<10
07/21/09	1140	OCEAN	EN,VH 49,000	<10	<10	<10
07/21/09	1152	OCEAN	EN,VH 50,000	10	10	<10
07/21/09	1300	OCEAN	EN,VH Blank	<10	<10	<10

RUN ON 07/28/09

**WATER QUALITY RESULTS
 FROM COLL DATE 07/28/09
 THRU COLL DATE 07/28/09
 LOCATION: ENVH, ENVH**

Date	Time	Source	Specimen ID	T. COLI MPN/100 ml	E. coli MPN/100 ml	ENTERO MPN/100 ml
07/28/09	0855	OCEAN	EN,VH 29,000	84	<10	<10
07/28/09	0900	OCEAN	EN,VH 30,000	146	74	<10
07/28/09	0910	OCEAN	EN,VH 32,000	86	20	<10
07/28/09	0915	OCEAN	EN,VH 33,000	20	<10	<10
07/28/09	0920	OCEAN	EN,VH 34,000	<10	<10	<10
07/28/09	0925	OCEAN	EN,VH 35,000	10	10	<10
07/28/09	0940	OCEAN	EN,VH 36,000	<10	<10	<10
07/28/09	0945	OCEAN	EN,VH 37,000	130	20	<10
07/28/09	0955	OCEAN	EN,VH 38,000	189	10	<10
07/28/09	1000	OCEAN	EN,VH 39,000	<10	<10	<10
07/28/09	1005	OCEAN	EN,VH 40,000	10	<10	<10
07/28/09	1025	OCEAN	EN,VH 41,000	41	20	10
07/28/09	1030	OCEAN	EN,VH 42,000	108	10	<10
07/28/09	1035	OCEAN	EN,VH 43,000	41	<10	<10
07/28/09	1043	OCEAN	EN,VH 44,000	10	10	<10
07/28/09	1112	OCEAN	EN,VH 45,000	3,441	30	<10
07/28/09	1120	OCEAN	EN,VH 46,000	156	<10	<10
07/28/09	1125	OCEAN	EN,VH 47,000	74	<10	<10
07/28/09	1140	OCEAN	EN,VH 49,000	<10	<10	<10
07/28/09	1155	OCEAN	EN,VH 50,000	31	10	<10
07/28/09	1300	OCEAN	EN,VH Blank	<10	<10	<10

**WATER QUALITY RESULTS
 FROM COLL DATE 08/04/09
 THRU COLL DATE 08/04/09
 LOCATION: ENVH, ENVH**

RUN ON 08/04/09

Date	Time	Source	Specimen ID	T. COLI MPN/100 ml	E. coli MPN/100 ml	ENTERO MPN/100 ml
08/04/09	0850	OCEAN	EN,VH 29,000	<10	<10	<10
08/04/09	0855	OCEAN	EN,VH 30,000	30	20	<10
08/04/09	0903	OCEAN	EN,VH 32,000	10	10	<10
08/04/09	0910	OCEAN	EN,VH 33,000	20	<10	<10
08/04/09	0920	OCEAN	EN,VH 34,000	<10	<10	<10
08/04/09	0925	OCEAN	EN,VH 35,000	10	10	<10
08/04/09	0935	OCEAN	EN,VH 36,000	98	<10	<10
08/04/09	0940	OCEAN	EN,VH 37,000	145	10	<10
08/04/09	0955	OCEAN	EN,VH 38,000	<10	<10	<10
08/04/09	1000	OCEAN	EN,VH 39,000	<10	<10	<10
08/04/09	1005	OCEAN	EN,VH 40,000	<10	<10	87
08/04/09	1025	OCEAN	EN,VH 41,000	<10	<10	<10
08/04/09	1030	OCEAN	EN,VH 42,000	<10	<10	<10
08/04/09	1035	OCEAN	EN,VH 43,000	41	10	<10
08/04/09	1045	OCEAN	EN,VH 44,000	10	10	<10
08/04/09	1120	OCEAN	EN,VH 45,000	233	20	<10
08/04/09	1125	OCEAN	EN,VH 46,000	10	<10	<10
08/04/09	1135	OCEAN	EN,VH 47,000	10	<10	<10
08/04/09	1140	OCEAN	EN,VH 49,000	<10	<10	<10
08/04/09	1155	OCEAN	EN,VH 50,000	84	20	<10
08/04/09	1315	OCEAN	EN,VH Blank	<10	<10	<10

RUN ON 08/10/09
WATER QUALITY RESULTS
FROM COLL DATE 08/10/09
THRU COLL DATE 08/10/09
LOCATION: ENVH, ENVH

Date	Time	Source	Specimen ID	T. COLI MPN/100 ml	E. coli MPN/100 ml	ENTERO MPN/100 ml
08/11/09	0815	OCEAN	EN,VH 29,000	20	<10	<10
08/11/09	0820	OCEAN	EN,VH 30,000	<10	<10	<10
08/11/09	0825	OCEAN	EN,VH 32,000	<10	<10	<10
08/11/09	0830	OCEAN	EN,VH 33,000	31	<10	<10
08/11/09	0838	OCEAN	EN,VH 34,000	20	<10	<10
08/11/09	0843	OCEAN	EN,VH 35,000	10	<10	<10
08/11/09	0853	OCEAN	EN,VH 36,000	201	10	<10
08/11/09	0900	OCEAN	EN,VH 37,000	134	10	10
08/11/09	0905	OCEAN	EN,VH 38,000	41	31	10
08/11/09	0910	OCEAN	EN,VH 39,000	10	<10	<10
08/11/09	0915	OCEAN	EN,VH 40,000	20	10	<10
08/11/09	0935	OCEAN	EN,VH 41,000	20	<10	<10
08/11/09	0940	OCEAN	EN,VH 42,000	121	10	20
08/11/09	0950	OCEAN	EN,VH 43,000	10	10	<10
08/11/09	1000	OCEAN	EN,VH 44,000	10	10	<10
08/11/09	1025	OCEAN	EN,VH 45,000	<10	<10	<10
08/11/09	1035	OCEAN	EN,VH 46,000	<10	<10	10
08/11/09	1040	OCEAN	EN,VH 47,000	20	<10	<10
08/11/09	1055	OCEAN	EN,VH 49,000	<10	<10	<10
08/11/09	1105	OCEAN	EN,VH 50,000	<10	<10	<10
08/11/09	1300	OCEAN	EN,VH Blank	<10	<10	<10

**WATER QUALITY RESULTS
 FROM COLL DATE 08/18/09
 THRU COLL DATE 08/18/09
 LOCATION: ENVH, ENVH**

RUN ON 08/18/09

Date	Time	Source	Specimen ID	T. COLI MPN/100 ml	E. coli MPN/100 ml	ENTERO MPN/100 ml
08/18/09	0832	OCEAN	EN,VH 29,000	213	62	10
08/18/09	0841	OCEAN	EN,VH 30,000	<10	<10	10
08/18/09	0849	OCEAN	EN,VH 32,000	20	<10	<10
08/18/09	0855	OCEAN	EN,VH 33,000	10	<10	10
08/18/09	0910	OCEAN	EN,VH 34,000	10	<10	10
08/18/09	0922	OCEAN	EN,VH 35,000	<10	<10	<10
08/18/09	0936	OCEAN	EN,VH 36,000	20	<10	20
08/18/09	0944	OCEAN	EN,VH 37,000	52	<10	64
08/18/09	1001	OCEAN	EN,VH 38,000	10	<10	<10
08/18/09	1010	OCEAN	EN,VH 39,000	<10	<10	10
08/18/09	1018	OCEAN	EN,VH 40,000	10	<10	31
08/18/09	1041	OCEAN	EN,VH 41,000	10	10	20
08/18/09	1049	OCEAN	EN,VH 42,000	<10	<10	<10
08/18/09	1056	OCEAN	EN,VH 43,000	10	<10	<10
08/18/09	1103	OCEAN	EN,VH 44,000	<10	<10	<10
08/18/09	1133	OCEAN	EN,VH 45,000	<10	<10	<10
08/18/09	1140	OCEAN	EN,VH 46,000	20	20	<10
08/18/09	1153	OCEAN	EN,VH 47,000	<10	<10	<10
08/18/09	1207	OCEAN	EN,VH 49,000	10	<10	<10
08/18/09	1217	OCEAN	EN,VH 50,000	41	10	<10
08/18/09	1300	OCEAN	EN,VH Blank	<10	<10	<10

RUN ON 08-24-09

**WATER QUALITY RESULTS
FROM COLL DATE 08-24-09
THRU COLL DATE 08-24-09
LOCATION: ENVH, ENVH**

Date	Time	Source	Specimen ID	T. COLI MPN/100 ml	E. coli MPN/100 ml	ENTERO MPN/100 ml
08/24/09	0844	OCEAN	EN,VH 1000	435	52	10
08/24/09	0842	OCEAN	EN,VH 1050	487	52	10
08/24/09	0859	OCEAN	EN,VH 4000	10	<10	<10
08/24/09	0908	OCEAN	EN,VH 7000	<10	<10	<10
08/24/09	0913	OCEAN	EN,VH 10000	52	10	20
08/24/09	0920	OCEAN	EN,VH 11000	<10	<10	<10
08/24/09	0932	OCEAN	EN,VH 13000	2,063	158	20
08/24/09	0938	OCEAN	EN,VH 14000	336	20	<10
08/24/09	0945	OCEAN	EN,VH 19000	41	20	<10
08/24/09	0957	OCEAN	EN,VH 23000	85	20	<10
08/24/09	1005	OCEAN	EN,VH 25000	20	<10	<10
08/24/09	1022	OCEAN	EN,VH 35000	20	10	10
08/24/09	1030	OCEAN	EN,VH 36000	63	10	10
08/24/09	1033	OCEAN	EN,VH 37000	2,987	2,987	42
08/24/09	1036	OCEAN	EN,VH 38000	20	10	<10
08/24/09	1041	OCEAN	EN,VH 39000	<10	<10	<10
08/24/09	1045	OCEAN	EN,VH 40000	<10	<10	<10
08/24/09	1102	OCEAN	EN,VH 41000	20	10	<10
08/24/09	1107	OCEAN	EN,VH 42000	10	<10	<10
08/24/09	1112	OCEAN	EN,VH 43000	<10	<10	75
08/24/09	1117	OCEAN	EN,VH 44000	<10	<10	<10
08/24/09	1142	OCEAN	EN,VH 45000	10	<10	<10
08/24/09	1149	OCEAN	EN,VH 47000	41	20	10
08/24/09	1159	OCEAN	EN,VH 49000	<10	<10	<10
08/24/09	1207	OCEAN	EN,VH 50000	20	<10	<10
08/24/09	1300	OCEAN	EN,VH BLANK	<10	<10	<10

RUN ON 09/01/09

**WATER QUALITY RESULTS
 FROM COLL DATE 09/01/09
 THRU COLL DATE 09/01/09
 LOCATION: ENVH, ENVH**

Date	Time	Source	Specimen ID	T. COLI MPN/100 ml	E. coli MPN/100 ml	ENTERO MPN/100 ml
09/01/09	0840	OCEAN	EN,VH 29,000	85	<10	<10
09/01/09	0849	OCEAN	EN,VH 30,000	109	<10	<10
09/01/09	0856	OCEAN	EN,VH 32,000	41	<10	<10
09/01/09	0902	OCEAN	EN,VH 33,000	63	<10	<10
09/01/09	0909	OCEAN	EN,VH 34,000	31	<10	<10
09/01/09	0915	OCEAN	EN,VH 35,000	20	10	<10
09/01/09	0927	OCEAN	EN,VH 36,000	669	<10	10
09/01/09	0930	OCEAN	EN,VH 37,000	85	52	10
09/01/09	0937	OCEAN	EN,VH 38,000	189	10	10
09/01/09	0942	OCEAN	EN,VH 39,000	30	10	<10
09/01/09	0954	OCEAN	EN,VH 40,000	10	<10	<10
09/01/09	1030	OCEAN	EN,VH 41,000	<10	<10	<10
09/01/09	1036	OCEAN	EN,VH 42,000	10	10	10
09/01/09	1044	OCEAN	EN,VH 43,000	10	<10	<10
09/01/09	1057	OCEAN	EN,VH 44,000	10	<10	<10
09/01/09	1120	OCEAN	EN,VH 45,000	<10	<10	<10
09/01/09	1138	OCEAN	EN,VH 46,000	<10	<10	<10
09/01/09	1145	OCEAN	EN,VH 47,000	20	10	<10
09/01/09	1159	OCEAN	EN,VH 49,000	<10	<10	<10
09/01/09	1210	OCEAN	EN,VH 50,000	<10	<10	<10
09/01/09	1300	OCEAN	EN,VH Blank	<10	<10	<10

RUN ON 09-08-09

**WATER QUALITY RESULTS
FROM COLL DATE 09-08-09
THRU COLL DATE 09-08-09
LOCATION: ENVH, ENVH**

Date	Time	Source	Specimen ID	T. COLI MPN/100 ml	E. coli MPN/100 ml	ENTERO MPN/100 ml
09/08/09	0854	OCEAN	ENV,H 1000	4,352	41	10
09/08/09	0857	OCEAN	ENV,H 1050	1,789	20	<10
09/08/09	0926	OCEAN	ENV,H 4,000	31	<10	<10
09/08/09	0935	OCEAN	ENV,H 7,000	20	<10	<10
09/08/09	0944	OCEAN	ENV,H 10,000	31	10	<10
09/08/09	1001	OCEAN	ENV,H 11,000	10	<10	<10
09/08/09	1018	OCEAN	ENV,H 13,000	1,850	148	75
09/08/09	1033	OCEAN	ENV,H 14,000	246	<10	20
09/08/09	1101	OCEAN	ENV,H 19,000	84	20	31
09/08/09	1101	OCEAN	ENV,H 25,000	52	<10	<10
09/08/09	1122	OCEAN	ENV,H 35,000	108	85	<10
09/08/09	1137	OCEAN	ENV,H 36,000	61	<10	<10
09/08/09	1140	OCEAN	ENV,H 37,000	601	86	53
09/08/09	1146	OCEAN	ENV,H 38,000	<10	<10	<10
09/08/09	1156	OCEAN	ENV,H 39,000	<10	<10	10
09/08/09	1205	OCEAN	ENV,H 40,000	20	20	<10
09/08/09	1410	OCEAN	ENV,H BLANK	<10	<10	<10

* C. Holloway's County track broke down; another inspector brought in the above samples.

RUN ON 09-08-09

**WATER QUALITY RESULTS
FROM COLL DATE 09-08-09
THRU COLL DATE 09-08-09
LOCATION: ENVH, ENVH**

* * ADDITIONAL SAMPLES BROUGHT IN LATER C. Holloway

Date	Time	Source	Specimen ID	T. COLI MPN/100 ml	E. coli MPN/100 ml	ENTERO MPN/100 ml
09/08/09	1411	OCEAN	ENV,H 41000	98	20	<10
09/08/09	1420	OCEAN	ENV,H 42000	63	<10	75
09/08/09	1427	OCEAN	ENV,H 43,000	156	<10	<10
09/08/09	1434	OCEAN	ENV,H 44,000	10	<10	<10

RUN ON 09/15/09

**WATER QUALITY RESULTS
 FROM COLL DATE 09/15/09
 THRU COLL DATE 09/15/09
 LOCATION: ENVH, ENVH**

Date	Time	Source	Specimen ID	T. COLI MPN/100 ml	E. coli MPN/100 ml	ENTERO MPN/100 ml
09/15/09	0857	OCEAN	EN,VH 29,000	638	<10	<10
09/15/09	0907	OCEAN	EN,VH 30,000	98	<10	<10
09/15/09	0913	OCEAN	EN,VH 32,000	62	<10	<10
09/15/09	0919	OCEAN	EN,VH 33,000	10	<10	<10
09/15/09	0926	OCEAN	EN,VH 34,000	20	10	<10
09/15/09	0931	OCEAN	EN,VH 35,000	52	10	<10
09/15/09	0943	OCEAN	EN,VH 36,000	185	74	<10
09/15/09	0947	OCEAN	EN,VH 37,000	74	10	<10
09/15/09	0955	OCEAN	EN,VH 38,000	74	10	<10
09/15/09	1001	OCEAN	EN,VH 39,000	31	<10	<10
09/15/09	1010	OCEAN	EN,VH 40,000	20	<10	<10
09/15/09	1052	OCEAN	EN,VH 41,000	31	20	<10
09/15/09	1059	OCEAN	EN,VH 42,000	51	30	<10
09/15/09	1106	OCEAN	EN,VH 43,000	30	20	10
09/15/09	1113	OCEAN	EN,VH 44,000	10	10	10
09/15/09	1147	OCEAN	EN,VH 45,000	169	20	<10
09/15/09	1156	OCEAN	EN,VH 46,000	31	<10	<10
09/15/09	1202	OCEAN	EN,VH 47,000	121	<10	<10
09/15/09	1217	OCEAN	EN,VH 49,000	10	<10	<10
09/15/09	1232	OCEAN	EN,VH 50,000	10	<10	<10
09/15/09	1305	OCEAN	EN,VH Blank	<10	<10	<10

RUN ON 09/22/09

**WATER QUALITY RESULTS
 FROM COLL DATE 09/22/09
 THRU COLL DATE 09/22/09
 LOCATION: ENVH, ENVH**

Date	Time	Source	Specimen ID	T. COLI MPN/100 ml	E. coli MPN/100 ml	ENTERO MPN/100 ml
09/22/09	0837	OCEAN	EN,VH 29,000	216	<10	<10
09/22/09	0844	OCEAN	EN,VH 30,000	242	41	<10
09/22/09	0850	OCEAN	EN,VH 32,000	108	20	53
09/22/09	0855	OCEAN	EN,VH 33,000	199	52	<10
09/22/09	0900	OCEAN	EN,VH 34,000	155	20	20
09/22/09	0905	OCEAN	EN,VH 35,000	31	<10	<10
09/22/09	0915	OCEAN	EN,VH 36,000	203	10	<10
09/22/09	0922	OCEAN	EN,VH 37,000	199	145	<10
09/22/09	0930	OCEAN	EN,VH 38,000	143	30	<10
09/22/09	0937	OCEAN	EN,VH 39,000	84	20	<10
09/22/09	0943	OCEAN	EN,VH 40,000	<10	<10	<10
09/22/09	1013	OCEAN	EN,VH 41,000	265	98	75
09/22/09	1020	OCEAN	EN,VH 42,000	74	10	<10
09/22/09	1025	OCEAN	EN,VH 43,000	63	10	10
09/22/09	1030	OCEAN	EN,VH 44,000	109	63	10
09/22/09	1100	OCEAN	EN,VH 45,000	30	10	<10
09/22/09	1108	OCEAN	EN,VH 46,000	20	<10	<10
09/22/09	1115	OCEAN	EN,VH 47,000	20	10	20
09/22/09	1130	OCEAN	EN,VH 49,000	52	<10	20
09/22/09	1140	OCEAN	EN,VH 50,000	61	<10	42
09/22/09	1300	OCEAN	EN,VH Blank	<10	<10	<10

RUN ON 09/29/09

WATER QUALITY RESULTS
FROM COLL DATE 09/29/09
THRU COLL DATE 09/29/09
LOCATION: ENVH, ENVH

Date	Time	Source	Specimen ID	T. COLI MPN/100 ml	E. coli MPN/100 ml	ENTERO MPN/100 ml
09/29/09	0850	OCEAN	EN,VH 29,000	<10	<10	<10
09/29/09	0858	OCEAN	EN,VH 30,000	<10	<10	10
09/29/09	0908	OCEAN	EN,VH 32,000	<10	<10	<10
09/29/09	0913	OCEAN	EN,VH 33,000	10	<10	<10
09/29/09	0918	OCEAN	EN,VH 34,000	10	<10	<10
09/29/09	0925	OCEAN	EN,VH 35,000	52	10	<10
09/29/09	0940	OCEAN	EN,VH 36,000	<10	<10	<10
09/29/09	0946	OCEAN	EN,VH 37,000	63	31	111
09/29/09	0955	OCEAN	EN,VH 38,000	10	98	<10
09/29/09	1002	OCEAN	EN,VH 39,000	74	<10	<10
09/29/09	1015	OCEAN	EN,VH 40,000	74	<10	<10
09/29/09	1035	OCEAN	EN,VH 41,000	399	20	64
09/29/09	1039	OCEAN	EN,VH 42,000	86	10	<10
09/29/09	1045	OCEAN	EN,VH 43,000	30	<10	<10
09/29/09	1152	OCEAN	EN,VH 44,000	<10	<10	<10
09/29/09	1118	OCEAN	EN,VH 45,000	<10	<10	<10
09/29/09	1126	OCEAN	EN,VH 46,000	<10	<10	<10
09/29/09	1132	OCEAN	EN,VH 47,000	10	10	<10
09/29/09	1145	OCEAN	EN,VH 49,000	<10	<10	<10
09/29/09	1155	OCEAN	EN,VH 50,000	10	<10	<10
09/29/09	1305	OCEAN	EN,VH Blank	<10	<10	<10

RUN ON 10/06/09

**WATER QUALITY RESULTS
 FROM COLL DATE 10/06/09
 THRU COLL DATE 10/06/09
 LOCATION: ENVH, ENVH**

Date	Time	Source	Specimen ID	T. COLI MPN/100 ml	E. coli MPN/100 ml	ENTERO MPN/100 ml
10/06/09	0855	OCEAN	EN,VH 29,000	<10	<10	<10
10/06/09	0900	OCEAN	EN,VH 30,000	20	<10	10
10/06/09	0906	OCEAN	EN,VH 32,000	31	31	<10
10/06/09	0911	OCEAN	EN,VH 33,000	41	10	<10
10/06/09	0916	OCEAN	EN,VH 34,000	223	61	10
10/06/09	0922	OCEAN	EN,VH 35,000	171	74	10
10/06/09	0933	OCEAN	EN,VH 36,000	465	203	10
10/06/09	0938	OCEAN	EN,VH 37,000	1,313	1,145	75
10/06/09	0952	OCEAN	EN,VH 38,000	145	62	<10
10/06/09	1000	OCEAN	EN,VH 39,000	74	<10	10
10/06/09	1006	OCEAN	EN,VH 40,000	41	<10	20
10/06/09	1025	OCEAN	EN,VH 41,000	74	20	53
10/06/09	1032	OCEAN	EN,VH 42,000	74	<10	<10
10/06/09	1038	OCEAN	EN,VH 43,000	41	<10	<10
10/06/09	1047	OCEAN	EN,VH 44,000	52	20	10
10/06/09	1119	OCEAN	EN,VH 45,000	10	10	<10
10/06/09	1125	OCEAN	EN,VH 46,000	31	20	10
10/06/09	1132	OCEAN	EN,VH 47,000	31	<10	20
10/06/09	1145	OCEAN	EN,VH 49,000	10	<10	<10
10/06/09	1155	OCEAN	EN,VH 50,000	120	<10	<10
10/06/09	1300	OCEAN	EN,VH Blank	<10	<10	<10

RUN ON 10/13/09

**WATER QUALITY RESULTS
 FROM COLL DATE 10/13/09
 THRU COLL DATE 10/13/09
 LOCATION: ENVH, ENVH**

Date	Time	Source	Specimen ID	T. COLI MPN/100 ml	E. coli MPN/100 ml	ENTERO MPN/100 ml
10/13/09	0846	OCEAN	EN,VH 29,000	84	20	10
10/13/09	0853	OCEAN	EN,VH 30,000	62	20	<10
10/13/09	0900	OCEAN	EN,VH 32,000	10	<10	<10
10/13/09	0904	OCEAN	EN,VH 33,000	10	<10	<10
10/13/09	0910	OCEAN	EN,VH 34,000	10	<10	<10
10/13/09	0915	OCEAN	EN,VH 35,000	20	<10	<10
10/13/09	0930	OCEAN	EN,VH 36,000	30	10	<10
10/13/09	0935	OCEAN	EN,VH 37,000	265	20	53
10/13/09	0945	OCEAN	EN,VH 38,000	41	<10	<10
10/13/09	0950	OCEAN	EN,VH 39,000	<10	<10	<10
10/13/09	0955	OCEAN	EN,VH 40,000	<10	<10	10
10/13/09	1015	OCEAN	EN,VH 41,000	63	10	<10
10/13/09	1020	OCEAN	EN,VH 42,000	120	<10	<10
10/13/09	1026	OCEAN	EN,VH 43,000	855	10	10
10/13/09	1035	OCEAN	EN,VH 44,000	2,359	20	42
10/13/09	1104	OCEAN	EN,VH 45,000	95	10	<10
10/13/09	1111	OCEAN	EN,VH 46,000	20	20	10
10/13/09	1124	OCEAN	EN,VH 47,000	52	<10	<10
10/13/09	1145	OCEAN	EN,VH 49,000	109	<10	10
10/13/09	1155	OCEAN	EN,VH 50,000	<10	<10	<10
10/13/09	1300	OCEAN	EN,VH Blank	<10	<10	<10

RUN ON 10/20/09

**WATER QUALITY RESULTS
 FROM COLL DATE 10/20/09
 THRU COLL DATE 10/20/09
 LOCATION: ENVH, ENVH**

Date	Time	Source	Specimen ID	T. COLI MPN/100 ml	E. coli MPN/100 ml	ENTERO MPN/100 ml
10/20/09	0905	OCEAN	EN,VH 29,000	441	10	<10
10/20/09	0915	OCEAN	EN,VH 30,000	16	<10	10
10/20/09	0921	OCEAN	EN,VH 32,000	63	<10	<10
10/20/09	0926	OCEAN	EN,VH 33,000	160	<10	20
10/20/09	0933	OCEAN	EN,VH 34,000	145	10	10
10/20/09	0941	OCEAN	EN,VH 35,000	249	10	<10
10/20/09	0953	OCEAN	EN,VH 36,000	41	<10	<10
10/20/09	0956	OCEAN	EN,VH 37,000	109	10	10
10/20/09	1002	OCEAN	EN,VH 38,000	512	10	10
10/20/09	1010	OCEAN	EN,VH 39,000	211	<10	<10
10/20/09	1019	OCEAN	EN,VH 40,000	173	<10	20
10/20/09	1055	OCEAN	EN,VH 41,000	146	52	31
10/20/09	1100	OCEAN	EN,VH 42,000	85	10	42
10/20/09	1109	OCEAN	EN,VH 43,000	292	74	10
10/20/09	1118	OCEAN	EN,VH 44,000	20	<10	10
10/20/09	1150	OCEAN	EN,VH 45,000	183	<10	<10
10/20/09	1204	OCEAN	EN,VH 46,000	223	73	20
10/20/09	1210	OCEAN	EN,VH 47,000	86	63	31
10/20/09	1231	OCEAN	EN,VH 49,000	63	<10	<10
10/20/09	1238	OCEAN	EN,VH 50,000	134	10	<10
10/20/09	1330	OCEAN	EN,VH Blank	<10	<10	<10

RUN ON 10/27/09

**WATER QUALITY RESULTS
 FROM COLL DATE 10/27/09
 THRU COLL DATE 10/27/09
 LOCATION: ENVH, ENVH**

Date	Time	Source	Specimen ID	T. COLI MPN/100 ml	E. coli MPN/100 ml	ENTERO MPN/100 ml
10/27/09	0845	OCEAN	EN,VH 29,000	63	10	<10
10/27/09	0952	OCEAN	EN,VH 30,000	122	31	<10
10/27/09	0959	OCEAN	EN,VH 32,000	350	20	20
10/27/09	0903	OCEAN	EN,VH 33,000	379	10	31
10/27/09	0908	OCEAN	EN,VH 34,000	341	10	<10
10/27/09	0912	OCEAN	EN,VH 35,000	223	10	<10
10/27/09	0925	OCEAN	EN,VH 36,000	62	10	<10
10/27/09	0930	OCEAN	EN,VH 37,000	1,130	31	87
10/27/09	0943	OCEAN	EN,VH 38,000	228	31	<10
10/27/09	0948	OCEAN	EN,VH 39,000	627	52	<10
10/27/09	0954	OCEAN	EN,VH 40,000	160	<10	<10
10/27/09	1015	OCEAN	EN,VH 41,000	98	10	<10
10/27/09	1023	OCEAN	EN,VH 42,000	97	10	<10
10/27/09	1028	OCEAN	EN,VH 43,000	63	10	<10
10/27/09	1037	OCEAN	EN,VH 44,000	52	10	<10
10/27/09	1106	OCEAN	EN,VH 45,000	309	41	<10
10/27/09	1115	OCEAN	EN,VH 46,000	10	10	<10
10/27/09	1120	OCEAN	EN,VH 47,000	10	10	<10
10/27/09	1135	OCEAN	EN,VH 49,000	253	<10	20
10/27/09	1143	OCEAN	EN,VH 50,000	20	<10	<10
10/27/09	1300	OCEAN	EN,VH Blank	<10	<10	<10

RUN ON 11/03/09

**WATER QUALITY RESULTS
 FROM COLL DATE 11/03/09
 THRU COLL DATE 11/03/09
 LOCATION: ENVH, ENVH**

Date	Time	Source	Specimen ID	T. COLI MPN/100 ml	E. coli MPN/100 ml	ENTERO MPN/100 ml
11/03/09	0913	OCEAN	EN,VH 29,000	41	<10	<10
11/03/09	0922	OCEAN	EN,VH 30,000	20	10	10
11/03/09	0928	OCEAN	EN,VH 32,000	<10	<10	10
11/03/09	0932	OCEAN	EN,VH 33,000	10	<10	10
11/03/09	0938	OCEAN	EN,VH 34,000	10	10	<10
11/03/09	0946	OCEAN	EN,VH 35,000	10	<10	<10
11/03/09	1003	OCEAN	EN,VH 36,000	31	<10	<10
11/03/09	1006	OCEAN	EN,VH 37,000	246	146	53
11/03/09	1012	OCEAN	EN,VH 38,000	20	<10	<10
11/03/09	1018	OCEAN	EN,VH 39,000	41	10	10
11/03/09	1025	OCEAN	EN,VH 40,000	<10	<10	<10
11/03/09	1101	OCEAN	EN,VH 41,000	31	20	20
11/03/09	1106	OCEAN	EN,VH 42,000	197	74	20
11/03/09	1116	OCEAN	EN,VH 43,000	41	20	10
11/03/09	1122	OCEAN	EN,VH 44,000	74	63	20
11/03/09	1154	OCEAN	EN,VH 45,000	10	<10	<10
11/03/09	1202	OCEAN	EN,VH 46,000	40	10	<10
11/03/09	1209	OCEAN	EN,VH 47,000	10	<10	<10
11/03/09	1219	OCEAN	EN,VH 49,000	10	<10	31
11/03/09	1232	OCEAN	EN,VH 50,000	<10	<10	<10
11/03/09	1320	OCEAN	EN,VH Blank	<10	<10	<10

RUN ON 12-22-09

**WATER QUALITY RESULTS
FROM COLL DATE 12-22-09
THRU COLL DATE 12-22-09
LOCATION: ENVH, ENVH**

Re Sample

RESAMPLE

Date	Time	Source	Specimen ID	T. COLI MPN/100 ml	E. coli MPN/100 ml	ENTERO MPN/100 ml
12/22/09	1415	OCEAN	ENV,H 37000	<10	<10	10
12/22/09	1455	OCEAN	LAB BLANK	<10	<10	<10

RUN ON 12-29-09

**WATER QUALITY RESULTS
 FROM COLL DATE 12-29-09
 THRU COLL DATE 12-29-09
 LOCATION: ENVH, ENVH**

Re sample

RESAMPLE

Date	Time	Source	Specimen ID	T. COLI MPN/100 ml	E. coli MPN/100 ml	ENTERO MPN/100 ml
12/29/09	1355	OCEAN	ENV,H 11000	20	20	<10
12/29/09	1425	OCEAN	ENV,H 36000	3,873	1,785	1,785
12/29/09	1443	OCEAN	ENV,H 41000	441	86	>2,005
12/29/09	1500	OCEAN	LAB BLANK	<10	<10	<10

RUN ON: 06/01/10

**WATER QUALITY RESULTS
FROM COLL DATE: 06/01/10
THRU COLL DATE: 06/01/10
LOCATION: ENVH, ENVH**

Date	Time	Source	Specimen ID	T. COLI MPN/100 ml	E. COLI MPN/100 ml	ENTERO MP N/100 ml
06/01/10	0850	OCEAN	EN,VH 1000	10	<10	<10
06/01/10	0909	OCEAN	EN,VH 4000	<10	<10	<10
06/01/10	0917	OCEAN	EN,VH 7000	<10	<10	<10
06/01/10	0926	OCEAN	EN,VH 10000	20	<10	<10
06/01/10	0935	OCEAN	EN,VH 11000	10	<10	10
06/01/10	0950	OCEAN	EN,VH 13000	63	10	<10
06/01/10	0959	OCEAN	EN,VH 14000	10	<10	<10
06/01/10	1007	OCEAN	EN,VH 19000	10	10	<10
06/01/10	1025	OCEAN	EN,VH 25000	<10	<10	<10
06/01/10	1120	OCEAN	EN,VH 35000	<10	<10	222
06/01/10	1130	OCEAN	EN,VH 36000	121	<10	<10
06/01/10	1135	OCEAN	EN,VH 37000	20	20	<10
06/01/10	1140	OCEAN	EN,VH 38000	<10	<10	<10
06/01/10	1146	OCEAN	EN,VH 39000	10	<10	<10
06/01/10	1150	OCEAN	EN,VH 40000	<10	<10	<10
06/01/10	1210	OCEAN	EN,VH 41000	<10	<10	<10
06/01/10	1218	OCEAN	EN,VH 42000	<10	<10	<10
06/01/10	1220	OCEAN	EN,VH 43000	<10	<10	<10
06/01/10	1226	OCEAN	EN,VH 44000	<10	<10	<10
06/01/10	1300	OCEAN	EN,VH BLANK	<10	<10	<10

**WATER QUALITY RESULTS
 FROM COLL DATE 08/03/10
 THRU COLL DATE 08/03/10
 LOCATION: ENVH, ENVH**

RUN ON 08/03/10

Date	Time	Source	Specimen ID	T. COLI MPN/100 ml	E. coli MPN/100 ml	ENTERO MPN/100 ml
08/03/10	0854	OCEAN	EN,VH 29,000	<10	<10	<10
08/03/10	0905	OCEAN	EN,VH 30,000	<10	<10	<10
08/03/10	0912	OCEAN	EN,VH 32,000	31	10	<10
08/03/10	0917	OCEAN	EN,VH 33,000	10	10	<10
08/03/10	0924	OCEAN	EN,VH 34,000	10	10	<10
08/03/10	0930	OCEAN	EN,VH 35,000	10	<10	<10
08/03/10	0943	OCEAN	EN,VH 36,000	41	10	10
08/03/10	0947	OCEAN	EN,VH 37,000	169	<10	<10
08/03/10	0959	OCEAN	EN,VH 38,000	<10	<10	<10
08/03/10	1016	OCEAN	EN,VH 39,000	<10	<10	<10
08/03/10	1025	OCEAN	EN,VH 40,000	<10	<10	<10
08/03/10	1108	OCEAN	EN,VH 41,000	63	<10	<10
08/03/10	1115	OCEAN	EN,VH 42,000	41	10	<10
08/03/10	1122	OCEAN	EN,VH 43,000	41	<10	<10
08/03/10	1130	OCEAN	EN,VH 44,000	10	<10	<10
08/03/10	1156	OCEAN	EN,VH 45,000	<10	<10	<10
08/03/10	1206	OCEAN	EN,VH 46,000	85	10	<10
08/03/10	1214	OCEAN	EN,VH 47,000	359	<10	<10
08/03/10	1225	OCEAN	EN,VH 49,000	<10	<10	<10
08/03/10	1237	OCEAN	EN,VH 50,000	<10	<10	<10
08/03/10	1300	OCEAN	EN,VH Blank	<10	<10	<10

**WATER QUALITY RESULTS
 FROM COLL DATE 08/31/10
 THRU COLL DATE 08/31/10**

RUN ON 08/31/10

LOCATION: ENVH

Date	Time	Source	Specimen ID	T. COLI MPN/100 ml	E. coli MPN/100 ml	ENTERO MPN/100 ml
08/31/10	0840	OCEAN	EN,VH 29,000	10	<10	<10
08/31/10	0847	OCEAN	EN,VH 30,000	10	<10	<10
08/31/10	0855	OCEAN	EN,VH 32,000	<10	<10	<10
08/31/10	0900	OCEAN	EN,VH 33,000	<10	<10	<10
08/31/10	0906	OCEAN	EN,VH 34,000	<10	<10	20
08/31/10	0913	OCEAN	EN,VH 35,000	<10	<10	<10
08/31/10	0925	OCEAN	EN,VH 36,000	10	<10	<10
08/31/10	0933	OCEAN	EN,VH 37,000	10	10	<10
08/31/10	0940	OCEAN	EN,VH 38,000	10	10	<10
08/31/10	0946	OCEAN	EN,VH 39,000	10	<10	<10
08/31/10	0953	OCEAN	EN,VH 40,000	<10	<10	<10
08/31/10	1015	OCEAN	EN,VH 41,000	<10	<10	<10
08/31/10	1021	OCEAN	EN,VH 42,000	74	10	<10
08/31/10	1028	OCEAN	EN,VH 43,000	52	10	<10
08/31/10	1137	OCEAN	EN,VH 44,000	10	<10	<10
08/31/10	1102	OCEAN	EN,VH 45,000	<10	<10	<10
08/31/10	1113	OCEAN	EN,VH 46,000	<10	<10	<10
08/31/10	1122	OCEAN	EN,VH 47,000	<10	<10	<10
08/31/10	1132	OCEAN	EN,VH 49,000	<10	<10	<10
08/31/10	1145	OCEAN	EN,VH 50,000	10	<10	<10
08/31/10	1300	OCEAN	EN,VH Blank	<10	<10	<10

RUN ON: 09/07/10

**WATER QUALITY RESULTS
 FROM COLL DATE: 09/07/10
 THRU COLL DATE: 09/07/10
 LOCATION: ENVH, ENVH**

Date	Time	Source	Specimen ID	T. COLI MPN/100 ml	E. COLI MPN/100 ml	ENTERO MP N/100 ml
09/07/10	0850	OCEAN	EN,VH 1000	108	10	42
09/07/10	0902	OCEAN	EN,VH 4000	10	10	10
09/07/10	0915	OCEAN	EN,VH 7000	10	<10	<10
09/07/10	0922	OCEAN	EN,VH 10000	74	<10	10
09/07/10	0930	OCEAN	EN,VH 11000	20	<10	<10
09/07/10	0950	OCEAN	EN,VH 13000	52	<10	<10
09/07/10	0956	OCEAN	EN,VH 14000	10	10	20
09/07/10	1005	OCEAN	EN,VH 19000	41	<10	10
09/07/10	1020	OCEAN	EN,VH 25000	41	<10	<10
09/07/10	1035	OCEAN	EN,VH 35000	<10	<10	<10
09/07/10	1045	OCEAN	EN,VH 36000	41	<10	<10
09/07/10	1150	OCEAN	EN,VH 37000	107	10	10
09/07/10	1100	OCEAN	EN,VH 38000	85	30	<10
09/07/10	1105	OCEAN	EN,VH 39000	20	10	<10
09/07/10	1110	OCEAN	EN,VH 40000	41	31	<10
09/07/10	1135	OCEAN	EN,VH 41000	41	<10	<10
09/07/10	1140	OCEAN	EN,VH 42000	41	10	<10
09/07/10	1145	OCEAN	EN,VH 43000	20	<10	<10
09/07/10	1155	OCEAN	EN,VH 44000	62	10	<10
09/07/10	1300	OCEAN	EN,VH BLANK	<10	<10	<10

RUN ON: 11/08/10

**WATER QUALITY RESULTS
 FROM COLL DATE: 11/08/10
 THRU COLL DATE: 11/08/10
 LOCATION: ENVH, ENVH**

Date	Time	Source	Specimen ID	T. COLI MPN/100 ml	E. COLI MPN/100 ml	ENTERO MPN/100 ml
11/08/10	0851	OCEAN	ENV,H 1000	393	10	53
11/08/10	0908	OCEAN	ENV,H 4000	97	<10	31
11/08/10	0918	OCEAN	ENV,H 7000	332	<10	10
11/08/10	0926	OCEAN	ENV,H 10000	419	<10	20
11/08/10	0935	OCEAN	ENV,H 11000	145	31	10
11/08/10	0950	OCEAN	ENV,H 13000	246	<10	20
11/08/10	0958	OCEAN	ENV,H 14000	233	31	31
11/08/10	1005	OCEAN	ENV,H 19000	2,613	31	111
11/08/10	1028	OCEAN	ENV,H 25000	74	10	20
11/08/10	1047	OCEAN	ENV,H 35000	30	<10	<10
11/08/10	1055	OCEAN	ENV,H 36000	135	20	53
11/08/10	1100	OCEAN	ENV,H 37000	292	97	31
11/08/10	1106	OCEAN	ENV,H 38000	30	10	<10
11/08/10	1111	OCEAN	ENV,H 39000	84	20	<10
11/08/10	1116	OCEAN	ENV,H 40000	74	<10	<10
11/08/10	1135	OCEAN	ENV,H 41000	31	10	<10
11/08/10	1141	OCEAN	ENV,H 42000	31	10	10
11/08/10	****	OCEAN	ENV,H 43000	NO	SPECIMEN	COLLECTED
11/08/10	****	OCEAN	ENV,H 44000	NO	SPECIMEN	COLLECTED
11/08/10	1300	OCEAN	LAB BLANK	<10	<10	<10

RUN ON: 11/29/10

**WATER QUALITY RESULTS
 FROM COLL DATE: 11/29/10
 THRU COLL DATE: 11/29/10
 LOCATION: ENVH, ENVH**

Date	Time	Source	Specimen ID	T. COLI MPN/100 ml	E. COLI MPN/100 ml	ENTERO MPN/100 ml
11/29/10	0850	OCEAN	ENV,H 1000	86	10	<10
11/29/10	0907	OCEAN	ENV,H 4000	20	<10	<10
11/29/10	0917	OCEAN	ENV,H 7000	30	<10	<10
11/29/10	****	OCEAN	ENV,H 10000	NO	SAMPLE	COLLECTED
11/29/10	0930	OCEAN	ENV,H 11000	20	10	<10
11/29/10	0947	OCEAN	ENV,H 13000	287	10	10
11/29/10	0955	OCEAN	ENV,H 14000	233	<10	<10
11/29/10	1003	OCEAN	ENV,H 19000	122	41	<10
11/29/10	1019	OCEAN	ENV,H 25000	52	10	<10
11/29/10	1036	OCEAN	ENV,H 35000	10	<10	<10
11/29/10	****	OCEAN	ENV,H 36000	NO	SAMPLE	COLLECTED
11/29/10	1045	OCEAN	ENV,H 37000	122	52	124
11/29/10	1055	OCEAN	ENV,H 38000	20	20	<10
11/29/10	1105	OCEAN	ENV,H 39000	31	20	<10
11/29/10	1109	OCEAN	ENV,H 40000	<10	<10	10
11/29/10	1129	OCEAN	ENV,H 41000	41	20	<10
11/29/10	1136	OCEAN	ENV,H 42000	20	20	10
11/29/10	1144	OCEAN	ENV,H 43000	63	20	<10
11/29/10	1150	OCEAN	ENV,H 44000	41	10	53
11/29/10	1300	OCEAN	LAB BLANK	<10	<10	<10

RUN ON: 12/20/10

**WATER QUALITY RESULTS
 FROM COLL DATE: 12/20/10
 THRU COLL DATE: 12/20/10
 LOCATION: ENVH, ENVH**

Date	Time	Source	Specimen ID	T. COLI MPN/100 ml	E. COLI MPN/100 ml	ENTERO MPN/100 ml
12/20/10	0843	OCEAN	ENV,H 1000	9,804	203	885
12/20/10	0903	OCEAN	ENV,H 4000	2,909	52	254
12/20/10	0913	OCEAN	ENV,H 7000	6,131	199	429
12/20/10	0921	OCEAN	ENV,H 10000	6,867	63	453
12/20/10	0930	OCEAN	ENV,H 11000	15,531	134	254
12/20/10	0946	OCEAN	ENV,H 13000	6,131	74	>2,005
12/20/10	0951	OCEAN	ENV,H 14000	>24,192	457	2,005
12/20/10	1000	OCEAN	ENV,H 19000	>24,192	529	1,652
12/20/10	1015	OCEAN	ENV,H 25000	24,192	364	406
12/20/10	1030	OCEAN	ENV,H 35000	>24,192	187	2,005
12/20/10	****	OCEAN	ENV,H 36000	NO	SAMPLE	COLLECTED
12/20/10	1039	OCEAN	ENV,H 37000	>24,192	160	>2,005
12/20/10	1043	OCEAN	ENV,H 38000	>24,192	1,145	288
12/20/10	1050	OCEAN	ENV,H 39000	>24,192	63	453
12/20/10	1056	OCEAN	ENV,H 40000	>24,192	148	271
12/20/10	1115	OCEAN	ENV,H 41000	>24,192	148	42
12/20/10	1126	OCEAN	ENV,H 42000	15,531	96	124
12/20/10	****	OCEAN	ENV,H 43000	NO	SAMPLE	COLLECTED
12/20/10	****	OCEAN	ENV,H 44000	NO	SAMPLE	COLLECTED
12/20/10	1300	OCEAN	LAB BLANK	<10	<10	<10

WATER QUALITY RESULTS
FROM COLL DATE: 01/03/11
THRU COLL DATE: 01/03/11
LOCATION: ENVH, ENVH

RUN ON: 01/03/11

Date	Time	Source	Specimen ID	T. COLI MPN/100 ml	E. COLI MPN/100 ml	ENTERO MPN/100 ml
01/03/11	0853	OCEAN	ENV,H 1000	2,143	20	1,013
01/03/11	0909	OCEAN	ENV,H 4000	1,211	51	1,013
01/03/11	0920	OCEAN	ENV,H 7000	768	20	1,184
01/03/11	0931	OCEAN	ENV,H 10000	4,611	30	945
01/03/11	0939	OCEAN	ENV,H 11000	426	10	1,445
01/03/11	1000	OCEAN	ENV,H 13000	4,106	74	697
01/03/11	1006	OCEAN	ENV,H 14000	4,352	52	659
01/03/11	1015	OCEAN	ENV,H 19000	1,354	31	1,445
01/03/11	1027	OCEAN	ENV,H 25000	272	<10	1,445
01/03/11	1045	OCEAN	ENV,H 35000	450	<10	<10
01/03/11	****	OCEAN	ENV,H 36000	NO	SPECIMEN	COLLECTED
01/03/11	1055	OCEAN	ENV,H 37000	512	98	1,298
01/03/11	1107	OCEAN	ENV,H 38000	399	10	10
01/03/11	1112	OCEAN	ENV,H 39000	384	20	31
01/03/11	1117	OCEAN	ENV,H 40000	419	<10	<10
01/03/11	1140	OCEAN	ENV,H 41000	1,281	<10	10
01/03/11	1146	OCEAN	ENV,H 42000	959	20	53
01/03/11	****	OCEAN	ENV,H 43000	NO	SPECIMEN	COLLECTED
01/03/11	****	OCEAN	ENV,H 44000	NO	SPECIMEN	COLLECTED
01/03/11	1330	OCEAN	LAB BLANK	<10	<10	<10

RUN ON: 01/10/11

**WATER QUALITY RESULTS
 FROM COLL DATE: 01/10/11
 THRU COLL DATE: 01/10/11
 LOCATION: ENVH, ENVH**

Date	Time	Source	Specimen ID	T. COLI MPN/100 ml	E. COLI MPN/100 ml	ENTERO MPN/100 ml
01/10/11	0850	OCEAN	ENV,H 1000	428	<10	<10
01/10/11	0907	OCEAN	ENV,H 4000	52	<10	<10
01/10/11	0918	OCEAN	ENV,H 7000	134	<10	<10
01/10/11	0926	OCEAN	ENV,H 10000	889	<10	<10
01/10/11	0936	OCEAN	ENV,H 11000	74	<10	10
01/10/11	0954	OCEAN	ENV,H 13000	728	<10	10
01/10/11	1000	OCEAN	ENV,H 14000	331	<10	20
01/10/11	1010	OCEAN	ENV,H 19000	185	10	<10
01/10/11	1027	OCEAN	ENV,H 25000	30	<10	<10
01/10/11	1045	OCEAN	ENV,H 35000	20	10	<10
01/10/11	****	OCEAN	ENV,H 36000	NO	SPECIMEN	COLLECTED
01/10/11	1055	OCEAN	ENV,H 37000	10	<10	<10
01/10/11	1108	OCEAN	ENV,H 38000	10	<10	<10
01/10/11	1112	OCEAN	ENV,H 39000	20	<10	<10
01/10/11	1117	OCEAN	ENV,H 40000	10	<10	<10
01/10/11	1137	OCEAN	ENV,H 41000	98	52	<10
01/10/11	1142	OCEAN	ENV,H 42000	41	20	<10
01/10/11	1150	OCEAN	ENV,H 43000	2,359	20	10
01/10/11	1159	OCEAN	ENV,H 44000	350	<10	10
01/10/11	1315	OCEAN	LAB BLANK	<10	<10	<10

RUN ON: 01/18/11

**WATER QUALITY RESULTS
 FROM COLL DATE: 01/18/11
 THRU COLL DATE: 01/18/11
 LOCATION: ENVH, ENVH**

Date	Time	Source	Specimen ID	T. COLI MPN/100 ml	E. COLI MPN/100 ml	ENTERO MPN/100 ml
01/18/11	0850	OCEAN	ENV,H 1000	591	63	53
01/18/11	0905	OCEAN	ENV,H 4000	1,553	63	53
01/18/11	0918	OCEAN	ENV,H 7000	313	31	178
01/18/11	0926	OCEAN	ENV,H 10000	5,794	85	111
01/18/11	0936	OCEAN	ENV,H 11000	1,565	119	238
01/18/11	0953	OCEAN	ENV,H 13000	556	41	87
01/18/11	1001	OCEAN	ENV,H 14000	605	31	75
01/18/11	1011	OCEAN	ENV,H 19000	601	20	10
01/18/11	1029	OCEAN	ENV,H 25000	122	52	124
01/18/11	1049	OCEAN	ENV,H 35000	63	31	20
01/18/11	****	OCEAN	ENV,H 36000	NO	SPECIMEN	COLLECTED
01/18/11	1100	OCEAN	ENV,H 37000	231	86	75
01/18/11	1105	OCEAN	ENV,H 38000	275	62	42
01/18/11	****	OCEAN	ENV,H 39000	NO	SPECIMEN	COLLECTED
01/18/11	1115	OCEAN	ENV,H 40000	132	10	10
01/18/11	1135	OCEAN	ENV,H 41000	10	<10	<10
01/18/11	1144	OCEAN	ENV,H 42000	10	<10	<10
01/18/11	1150	OCEAN	ENV,H 43000	41	31	<10
01/18/11	1200	OCEAN	ENV,H 44000	52	10	<10
01/18/11	1330	OCEAN	LAB BLANK	<10	<10	<10

RUN ON: 01/24/11

**WATER QUALITY RESULTS
 FROM COLL DATE: 01/24/11
 THRU COLL DATE: 01/24/11
 LOCATION: ENVH, ENVH**

Date	Time	Source	Specimen ID	T. COLI MPN/100 ml	E. COLI MPN/100 ml	ENTERO MPN/100 ml
01/24/11	0851	OCEAN	ENV,H 1000	203	<10	<10
01/24/11	0908	OCEAN	ENV,H 4000	20	<10	<10
01/24/11	0919	OCEAN	ENV,H 7000	41	<10	<10
01/24/11	0927	OCEAN	ENV,H 10000	98	<10	<10
01/24/11	0936	OCEAN	ENV,H 11000	63	<10	<10
01/24/11	0955	OCEAN	ENV,H 13000	228	10	<10
01/24/11	1001	OCEAN	ENV,H 14000	122	<10	10
01/24/11	1011	OCEAN	ENV,H 19000	63	10	<10
01/24/11	1035	OCEAN	ENV,H 25000	30	<10	<10
01/24/11	1053	OCEAN	ENV,H 35000	<10	<10	<10
01/24/11	1105	OCEAN	ENV,H 36000	52	<10	<10
01/24/11	1110	OCEAN	ENV,H 37000	262	10	<10
01/24/11	1114	OCEAN	ENV,H 38000	20	<10	<10
01/24/11	1120	OCEAN	ENV,H 39000	52	31	<10
01/24/11	1205	OCEAN	ENV,H 40000	63	10	<10
01/24/11	1145	OCEAN	ENV,H 41000	20	<10	<10
01/24/11	1150	OCEAN	ENV,H 42000	10	10	<10
01/24/11	1155	OCEAN	ENV,H 43000	<10	<10	<10
01/24/11	1205	OCEAN	ENV,H 44000	<10	<10	<10
01/24/11	1315	OCEAN	LAB BLANK	<10	<10	<10

RUN ON: 01/31/11

**WATER QUALITY RESULTS
 FROM COLL DATE: 01/31/11
 THRU COLL DATE: 01/31/11
 LOCATION: ENVH, ENVH**

Date	Time	Source	Specimen ID	T. COLI MPN/100 ml	E. COLI MPN/100 ml	ENTERO MPN/100 ml
01/31/11	0852	OCEAN	ENV,H 1000	211	41	31
01/31/11	0909	OCEAN	ENV,H 4000	191	20	<10
01/31/11	0920	OCEAN	ENV,H 7000	794	31	10
01/31/11	0930	OCEAN	ENV,H 10000	86	<10	<10
01/31/11	0937	OCEAN	ENV,H 11000	110	10	20
01/31/11	0955	OCEAN	ENV,H 13000	63	<10	<10
01/31/11	1005	OCEAN	ENV,H 14000	74	<10	<10
01/31/11	1011	OCEAN	ENV,H 19000	1,259	31	<10
01/31/11	1028	OCEAN	ENV,H 25000	281	30	20
01/31/11	1045	OCEAN	ENV,H 35000	86	<10	<10
01/31/11	1055	OCEAN	ENV,H 36000	185	<10	<10
01/31/11	1105	OCEAN	ENV,H 37000	31	10	<10
01/31/11	1111	OCEAN	ENV,H 38000	31	10	31
01/31/11	1116	OCEAN	ENV,H 39000	31	10	10
01/31/11	1122	OCEAN	ENV,H 40000	52	10	<10
01/31/11	1140	OCEAN	ENV,H 41000	52	52	64
01/31/11	1145	OCEAN	ENV,H 42000	31	<10	<10
01/31/11	****	OCEAN	ENV,H 43000	NO	SAMPLE	COLLECTED
01/31/11	****	OCEAN	ENV,H 44000	NO	SAMPLE	COLLECTED
01/31/11	1330	OCEAN	LAB BLANK	<10	<10	<10

**WATER QUALITY RESULTS
FROM COLL DATE: 02/07/11
THRU COLL DATE: 02/07/11
LOCATION: ENVH, ENVH**

RUN ON: 02/07/11

Date	Time	Source	Specimen ID	T. COLI MPN/100 ml	E. COLI MPN/100 ml	ENTERO MPN/100 ml
02/07/11	0850	OCEAN	ENV,H 1000	121	<10	20
02/07/11	0905	OCEAN	ENV,H 4000	<10	<10	<10
02/07/11	0916	OCEAN	ENV,H 7000	374	<10	<10
02/07/11	0925	OCEAN	ENV,H 10000	20	<10	<10
02/07/11	0935	OCEAN	ENV,H 11000	<10	<10	<10
02/07/11	0955	OCEAN	ENV,H 13000	213	<10	<10
02/07/11	1001	OCEAN	ENV,H 14000	97	<10	<10
02/07/11	1011	OCEAN	ENV,H 19000	41	20	<10
02/07/11	1026	OCEAN	ENV,H 25000	10	<10	<10
02/07/11	1041	OCEAN	ENV,H 35000	<10	<10	<10
02/07/11	1051	OCEAN	ENV,H 36000	31	<10	<10
02/07/11	1056	OCEAN	ENV,H 37000	<10	<10	10
02/07/11	1101	OCEAN	ENV,H 38000	31	20	,10
02/07/11	1112	OCEAN	ENV,H 39000	10	<10	<10
02/07/11	1117	OCEAN	ENV,H 40000	<10	<10	<10
02/07/11	138	OCEAN	ENV,H 41000	10	<10	<10
02/07/11	1143	OCEAN	ENV,H 42000	<10	<10	<10
02/07/11	1148	OCEAN	ENV,H 43000	393	10	<10
02/07/11	1153	OCEAN	ENV,H 44000	10	<10	<10
02/07/11	1300	OCEAN	LAB BLANK	<10	<10	<10

RUN ON: 02/14/11

**WATER QUALITY RESULTS
 FROM COLL DATE: 02/14/11
 THRU COLL DATE: 02/14/11
 LOCATION: ENVH, ENVH**

Date	Time	Source	Specimen ID	T. COLI MPN/100 ml	E. COLI MPN/100 ml	ENTERO MPN/100 ml
02/14/11	0845	OCEAN	ENV,H 1000	30	10	30
02/14/11	0900	OCEAN	ENV,H 4000	31	<10	<10
02/14/11	0912	OCEAN	ENV,H 7000	<10	<10	<10
02/14/11	0921	OCEAN	ENV,H 10000	10	<10	<10
02/14/11	0930	OCEAN	ENV,H 11000	<10	<10	<10
02/14/11	0944	OCEAN	ENV,H 13000	218	<10	<10
02/14/11	0955	OCEAN	ENV,H 14000	132	<10	<10
02/14/11	1003	OCEAN	ENV,H 19000	10	10	<10
02/14/11	1020	OCEAN	ENV,H 25000	20	10	<10
02/14/11	1044	OCEAN	ENV,H 35000	30	30	<10
02/14/11	1053	OCEAN	ENV,H 36000	30	10	<10
02/14/11	1058	OCEAN	ENV,H 37000	171	<10	<10
02/14/11	1106	OCEAN	ENV,H 38000	<10	<10	10
02/14/11	1114	OCEAN	ENV,H 39000	20	<10	<10
02/14/11	1121	OCEAN	ENV,H 40000	10	<10	<10
02/14/11	1140	OCEAN	ENV,H 41000	20	20	<10
02/14/11	1145	OCEAN	ENV,H 42000	10	10	20
02/14/11	1152	OCEAN	ENV,H 43000	<10	<10	10
02/14/11	1158	OCEAN	ENV,H 44000	<10	<10	<10
02/14/11	1300	OCEAN	LAB BLANK	<10	<10	<10

**WATER QUALITY RESULTS
 FROM COLL DATE: 02/22/11
 THRU COLL DATE: 02/22/11
 LOCATION: ENVH, ENVH**

RUN ON: 02/22/11

Date	Time	Source	Specimen ID	T. COLI MPN/100 ml	E. COLI MPN/100 ml	ENTERO MPN/100 ml
02/22/11	0850	OCEAN	ENV,H 1000	537	10	20
02/22/11	0910	OCEAN	ENV,H 4000	52	<10	<10
02/22/11	0920	OCEAN	ENV,H 7000	85	<10	<10
02/22/11	0928	OCEAN	ENV,H 10000	63	<10	<10
02/22/11	0936	OCEAN	ENV,H 11000	41	<10	<10
02/22/11	0956	OCEAN	ENV,H 13000	52	10	<10
02/22/11	1002	OCEAN	ENV,H 14000	1,872	<10	<10
02/22/11	1025	OCEAN	ENV,H 19000	86	<10	<10
02/22/11	1036	OCEAN	ENV,H 25000	158	10	<10
02/22/11	1056	OCEAN	ENV,H 35000	31	<10	<10
02/22/11	1105	OCEAN	ENV,H 36000	199	<10	<10
02/22/11	1110	OCEAN	ENV,H 37000	74	<10	<10
02/22/11	1115	OCEAN	ENV,H 38000	31	10	<10
02/22/11	1120	OCEAN	ENV,H 39000	10	<10	<10
02/22/11	1125	OCEAN	ENV,H 40000	20	<10	<10
02/22/11	1140	OCEAN	ENV,H 41000	41	<10	31
02/22/11	1145	OCEAN	ENV,H 42000	3,255	20	10
02/22/11	1150	OCEAN	ENV,H 43000	256	<10	<10
02/22/11	1155	OCEAN	ENV,H 44000	20	<10	<10
02/22/11	1300	OCEAN	LAB BLANK	<10	<10	<10

RUN ON: 02/28/11

**WATER QUALITY RESULTS
 FROM COLL DATE: 02/28/11
 THRU COLL DATE: 02/28/11
 LOCATION: ENVH, ENVH**

Date	Time	Source	Specimen ID	T. COLI MPN/100 ml	E. COLI MPN/100 ml	ENTERO MPN/100 ml
02/28/11	0845	OCEAN	ENV,H 1000	860	<10	20
02/28/11	0900	OCEAN	ENV,H 4000	173	<10	<10
02/28/11	****	OCEAN	ENV,H 7000	NO	SPECIMEN	COLLECTED
02/28/11	0920	OCEAN	ENV,H 10000	146	<10	<10
02/28/11	0932	OCEAN	ENV,H 11000	74	10	<10
02/28/11	0955	OCEAN	ENV,H 13000	644	<10	10
02/28/11	1001	OCEAN	ENV,H 14000	1,785	41	31
02/28/11	1010	OCEAN	ENV,H 19000	2,143	30	10
02/28/11	1026	OCEAN	ENV,H 25000	85	<10	<10
02/28/11	1045	OCEAN	ENV,H 35000	295	<10	<10
02/28/11	1055	OCEAN	ENV,H 36000	546	20	<10
02/28/11	1101	OCEAN	ENV,H 37000	521	10	31
02/28/11	1110	OCEAN	ENV,H 38000	305	10	<10
02/28/11	1115	OCEAN	ENV,H 39000	472	<10	<10
02/28/11	1121	OCEAN	ENV,H 40000	272	20	10
02/28/11	1140	OCEAN	ENV,H 41000	472	86	238
02/28/11	1145	OCEAN	ENV,H 42000	158	31	<10
02/28/11	1150	OCEAN	ENV,H 43000	4,611	20	<10
02/28/11	1159	OCEAN	ENV,H 44000	185	<10	<10
02/28/11	1300	OCEAN	LAB BLANK	<10	<10	<10

RUN ON: 03/07/11

**WATER QUALITY RESULTS
 FROM COLL DATE: 03/07/11
 THRU COLL DATE: 03/07/11
 LOCATION: ENVH, ENVH**

Date	Time	Source	Specimen ID	T. COLI MPN/100 ml	E. COLI MPN/100 ml	ENTERO MPN/100 ml
03/07/11	0850	OCEAN	ENV,H 1000	359	121	20
03/07/11	0905	OCEAN	ENV,H 4000	98	41	<10
03/07/11	0917	OCEAN	ENV,H 7000	189	31	<10
03/07/11	0926	OCEAN	ENV,H 10000	85	10	<10
03/07/11	0936	OCEAN	ENV,H 11000	31	<10	<10
03/07/11	0957	OCEAN	ENV,H 13000	240	20	<10
03/07/11	1007	OCEAN	ENV,H 14000	203	<10	<10
03/07/11	1017	OCEAN	ENV,H 19000	175	<10	10
03/07/11	1030	OCEAN	ENV,H 25000	228	97	10
03/07/11	1049	OCEAN	ENV,H 35000	63	20	10
03/07/11	1059	OCEAN	ENV,H 36000	98	31	<10
03/07/11	1104	OCEAN	ENV,H 37000	31	10	10
03/07/11	1110	OCEAN	ENV,H 38000	20	<10	<10
03/07/11	1115	OCEAN	ENV,H 39000	146	41	20
03/07/11	1120	OCEAN	ENV,H 40000	134	31	10
03/07/11	1139	OCEAN	ENV,H 41000	63	<10	<10
03/07/11	1144	OCEAN	ENV,H 42000	10	10	10
03/07/11	1149	OCEAN	ENV,H 43000	31	10	10
03/07/11	1157	OCEAN	ENV,H 44000	41	10	10
03/07/11	1300	OCEAN	LAB BLANK	<10	<10	<10

2BN

RUN ON: 03/14/11

**WATER QUALITY RESULTS
 FROM COLL DATE: 03/14/11
 THRU COLL DATE: 03/14/11
 LOCATION: ENVH, ENVH**

Date	Time	Source	Specimen ID	T. COLI MPN/100 ml	E. COLI MPN/100 ml	ENTERO MPN/100 ml
03/14/11	0845	OCEAN	ENV,H 1000	213	121	<10
03/14/11	0910	OCEAN	ENV,H 4000	<10	<10	<10
03/14/11	0920	OCEAN	ENV,H 7000	31	20	<10
03/14/11	0931	OCEAN	ENV,H 10000	20	<10	<10
03/14/11	0942	OCEAN	ENV,H 11000	20	<10	<10
03/14/11	0957	OCEAN	ENV,H 13000	298	30	<10
03/14/11	1005	OCEAN	ENV,H 14000	221	10	10
03/14/11	1020	OCEAN	ENV,H 19000	86	20	<10
03/14/11	1037	OCEAN	ENV,H 25000	10	<10	<10
03/14/11	1100	OCEAN	ENV,H 35000	<10	<10	<10
03/14/11	1112	OCEAN	ENV,H 36000	52	<10	<10
03/14/11	1115	OCEAN	ENV,H 37000	134	31	53
03/14/11	1125	OCEAN	ENV,H 38000	20	10	<10
03/14/11	1135	OCEAN	ENV,H 39000	10	<10	<10
03/14/11	1145	OCEAN	ENV,H 40000	<10	<10	<10
03/14/11	1207	OCEAN	ENV,H 41000	10	10	20
03/14/11	1216	OCEAN	ENV,H 42000	299	<10	<10
03/14/11	****	OCEAN	ENV,H 43000	NO	SAMPLE	COLLECTED
03/14/11	****	OCEAN	ENV,H 44000	NO	SAMPLE	COLLECTED
03/14/11	1300	OCEAN	LAB BLANK	<10	<10	<10

2BN

RUN ON: 03/21/11

**WATER QUALITY RESULTS
 FROM COLL DATE: 03/21/11
 THRU COLL DATE: 03/21/11
 LOCATION: ENVH, ENVH**

Date	Time	Source	Specimen ID	T. COLI MPN/100 ml	E. COLI MPN/100 ml	ENTERO MPN/100 ml
03/21/11	0840	OCEAN	ENV,H 1000	8,664	115	238
03/21/11	0900	OCEAN	ENV,H 4000	4,611	74	178
03/21/11	0910	OCEAN	ENV,H 7000	>24,192	259	406
03/21/11	0922	OCEAN	ENV,H 10000	6,131	161	164
03/21/11	****	OCEAN	ENV,H 11000	NO	SPECIMEN	COLLECTED
03/21/11	0943	OCEAN	ENV,H 13000	10,462	419	453
03/21/11	0952	OCEAN	ENV,H 14000	14,136	231	364
03/21/11	1001	OCEAN	ENV,H 19000	3,873	52	124
03/21/11	1020	OCEAN	ENV,H 25000	5,794	74	192
03/21/11	1042	OCEAN	ENV,H 35000	12,997	52	42
03/21/11	1051	OCEAN	ENV,H 36000	>24,192	670	1,445
03/21/11	1055	OCEAN	ENV,H 37000	>24,192	763	>2,005
03/21/11	1105	OCEAN	ENV,H 38000	8,164	120	124
03/21/11	1110	OCEAN	ENV,H 39000	8,164	201	99
03/21/11	1115	OCEAN	ENV,H 40000	4,884	41	53
03/21/11	1138	OCEAN	ENV,H 41000	>24,192	86	99
03/21/11	1143	OCEAN	ENV,H 42000	12,997	31	137
03/21/11	****	OCEAN	ENV,H 43000	NO	SPECIMEN	COLLECTED
03/21/11	****	OCEAN	ENV,H 44000	NO	SPECIMEN	COLLECTED
03/21/11	1330	OCEAN	LAB BLANK	<10	<10	<10

2BN

RUN ON: 03/28/11

WATER QUALITY RESULTS
FROM COLL DATE: 03/28/11
THRU COLL DATE: 03/28/11
LOCATION: ENVH, ENVH

Date	Time	Source	Specimen ID	T. COLI MPN/100 ml	E. COLI MPN/100 ml	ENTERO MPN/100 ml
03/28/11	0850	OCEAN	ENV,H 1000	1,145	52	20
03/28/11	0906	OCEAN	ENV,H 4000	350	<10	<10
03/28/11	0916	OCEAN	ENV,H 7000	2,046	<10	10
03/28/11	0925	OCEAN	ENV,H 10000	776	20	<10
03/28/11	0943	OCEAN	ENV,H 11000	246	<10	<10
03/28/11	1002	OCEAN	ENV,H 13000	2,613	52	31
03/28/11	1010	OCEAN	ENV,H 14000	2,098	31	<10
03/28/11	1019	OCEAN	ENV,H 19000	987	20	10
03/28/11	1037	OCEAN	ENV,H 25000	379	<10	<10
03/28/11	1055	OCEAN	ENV,H 35000	393	10	10
03/28/11	1105	OCEAN	ENV,H 36000	74	<10	10
03/28/11	1112	OCEAN	ENV,H 37000	171	<10	10
03/28/11	1122	OCEAN	ENV,H 38000	193	<10	10
03/28/11	1129	OCEAN	ENV,H 39000	189	<10	<10
03/28/11	1134	OCEAN	ENV,H 40000	41	<10	<10
03/28/11	1152	OCEAN	ENV,H 41000	<10	<10	<10
03/28/11	1157	OCEAN	ENV,H 42000	20	10	<10
03/28/11	1203	OCEAN	ENV,H 43000	2,359	20	10
03/28/11	1209	OCEAN	ENV,H 44000	262	<10	<10
03/28/11	1300	OCEAN	LAB BLANK	<10	<10	<10

2BN

RUN ON: 05/31/11

**WATER QUALITY RESULTS
 FROM COLL DATE: 05/31/11
 THRU COLL DATE: 05/31/11
 LOCATION: ENVH, ENVH**

Date	Time	Source	Specimen ID	T. COLI MPN/100 ml	E. COLI MPN/100 ml	ENTERO MPN/100 ml
05/31/11	0850	OCEAN	ENV,H 1000	98	10	<10
05/31/11	0906	OCEAN	ENV,H 4000	41	<10	<10
05/31/11	0920	OCEAN	ENV,H 7000	122	<10	<10
05/31/11	0932	OCEAN	ENV,H 10000	52	52	10
05/31/11	0939	OCEAN	ENV,H 11000	31	20	10
05/31/11	0956	OCEAN	ENV,H 13000	226	10	10
05/31/11	1004	OCEAN	ENV,H 14000	110	10	10
05/31/11	1012	OCEAN	ENV,H 19000	41	<10	<10
05/31/11	1027	OCEAN	ENV,H 25000	20	<10	10
05/31/11	1045	OCEAN	ENV,H 35000	74	10	20
05/31/11	1055	OCEAN	ENV,H 36000	448	10	<10
05/31/11	1100	OCEAN	ENV,H 37000	97	<10	<10
05/31/11	1107	OCEAN	ENV,H 38000	10	<10	<10
05/31/11	1113	OCEAN	ENV,H 39000	10	<10	<10
05/31/11	1116	OCEAN	ENV,H 40000	<10	<10	<10
05/31/11	1135	OCEAN	ENV,H 41000	<10	<10	<10
05/31/11	1142	OCEAN	ENV,H 42000	<10	<10	<10
05/31/11	1148	OCEAN	ENV,H 43000	<10	<10	<10
05/31/11	1155	OCEAN	ENV,H 44000	<10	<10	<10
05/31/11	1300	OCEAN	LAB BLANK	<10	<10	<10

RUN ON: 07/05/11

**WATER QUALITY RESULTS
 FROM COLL DATE: 07/05/11
 THRU COLL DATE: 07/05/11
 LOCATION: ENVH, ENVH**

Date	Time	Source	Specimen ID	T. COEI MPN/100 ml	E. COEI MPN/100 ml	ENTERO MPN/100 ml
07/05/11	0850	OCEAN	ENV,H 1000	598	<10	<10
07/05/11	0905	OCEAN	ENV,H 4000	41	<10	<10
07/05/11	0918	OCEAN	ENV,H 7000	10	10	<10
07/05/11	0926	OCEAN	ENV,H 10000	10	<10	<10
07/05/11	0936	OCEAN	ENV,H 11000	10	<10	<10
07/05/11	1001	OCEAN	ENV,H 13000	256	10	20
07/05/11	1008	OCEAN	ENV,H 14000	156	<10	<10
07/05/11	1020	OCEAN	ENV,H 19000	160	86	137
07/05/11	1035	OCEAN	ENV,H 25000	10	<10	<10
07/05/11	1055	OCEAN	ENV,H 35000	146	<10	<10
07/05/11	1107	OCEAN	ENV,H 36000	563	<10	406
07/05/11	1111	OCEAN	ENV,H 37000	269	52	99
07/05/11	1115	OCEAN	ENV,H 38000	10	<10	<10
07/05/11	1122	OCEAN	ENV,H 39000	20	<10	<10
07/05/11	1127	OCEAN	ENV,H 40000	20	<10	<10
07/05/11	1145	OCEAN	ENV,H 41000	10	<10	<10
07/05/11	1150	OCEAN	ENV,H 42000	<10	<10	<10
07/05/11	1158	OCEAN	ENV,H 43000	<10	<10	<10
07/05/11	1206	OCEAN	ENV,H 44000	10	<10	<10
07/05/11	1300	OCEAN	LAB BLANK	<10	<10	<10

RUN ON: 08/17/11

**WATER QUALITY RESULTS
 FROM COLL DATE: 08/17/11
 THRU COLL DATE: 08/17/11
 LOCATION: ENVH, ENVH**

Date	Time	Source	Specimen ID	T. COLI MPN/100 ml	E. COLI MPN/100 ml	ENTERO MPN/100 ml
		OCEAN	ENV,H 1000			
		OCEAN	ENV,H 4000			
		OCEAN	ENV,H 7000			
		OCEAN	ENV,H 10000			
		OCEAN	ENV,H 11000			
		OCEAN	ENV,H 13000			
		OCEAN	ENV,H 14000			
		OCEAN	ENV,H 19000			
		OCEAN	ENV,H 25000			
		OCEAN	ENV,H 35000			
08/17/11	1315	OCEAN	ENV,H 36000	10	<10	<10
		OCEAN	ENV,H 37000			
		OCEAN	ENV,H 38000			
		OCEAN	ENV,H 39000			
		OCEAN	ENV,H 40000			
		OCEAN	ENV,H 41000			
		OCEAN	ENV,H 42000			
		OCEAN	ENV,H 43000			
		OCEAN	ENV,H 44000			
		OCEAN	LAB BLANK			

RUN ON: 09/06/11

**WATER QUALITY RESULTS
 FROM COLL DATE: 09/06/11
 THRU COLL DATE: 09/06/11
 LOCATION: ENVH, ENVH**

Date	Time	Source	Specimen ID	T. COEI MPN/100 ml	E. COEI MPN/100 ml	ENTERO MPN/100 ml
09/06/11	0854	OCEAN	ENV,H 1000	135	20	10
09/06/11	0909	OCEAN	ENV,H 4000	<10	<10	<10
09/06/11	0921	OCEAN	ENV,H 7000	<10	<10	<10
09/06/11	0931	OCEAN	ENV,H 10000	98	20	<10
09/06/11	0942	OCEAN	ENV,H 11000	<10	<10	<10
09/06/11	0956	OCEAN	ENV,H 13000	187	<10	<10
09/06/11	1003	OCEAN	ENV,H 14000	63	<10	<10
09/06/11	1015	OCEAN	ENV,H 19000	108	51	<10
09/06/11	1037	OCEAN	ENV,H 25000	41	<10	<10
09/06/11	1100	OCEAN	ENV,H 35000	<10	<10	<10
09/06/11	1110	OCEAN	ENV,H 36000	20	20	<10
09/06/11	1115	OCEAN	ENV,H 37000	20	<10	10
09/06/11	1119	OCEAN	ENV,H 38000	<10	<10	124
09/06/11	1130	OCEAN	ENV,H 39000	<10	<10	<10
09/06/11	1137	OCEAN	ENV,H 40000	<10	<10	<10
09/06/11	1159	OCEAN	ENV,H 41000	216	52	111
09/06/11	1207	OCEAN	ENV,H 42000	10	<10	20
09/06/11	1215	OCEAN	ENV,H 43000	31	<10	<10
09/06/11	1226	OCEAN	ENV,H 44000	<10	<10	<10
09/06/11	1320	OCEAN	EAB BLANK	<10	<10	<10

RUN ON: 10/12/11

**WATER QUALITY RESULTS
 FROM COLL DATE: 10/12/11
 THRU COLL DATE: 10/12/11
 LOCATION: ENVH, ENVH**

Date	Time	Source	Specimen ID	T. COLI MPN/100 ml	E. COLI MPN/100 ml	ENTERO MPN/100 ml
		OCEAN	ENV,H 1000			
		OCEAN	ENV,H 4000			
		OCEAN	ENV,H 7000			
		OCEAN	ENV,H 10000			
		OCEAN	ENV,H 11000			
		OCEAN	ENV,H 13000			
		OCEAN	ENV,H 14000			
		OCEAN	ENV,H 19000			
		OCEAN	ENV,H 25000			
		OCEAN	ENV,H 35000			
11/12/11	1410	OCEAN	ENV,H 36000	723	20	10
		OCEAN	ENV,H 37000			
		OCEAN	ENV,H 38000			
		OCEAN	ENV,H 39000			
		OCEAN	ENV,H 40000			
		OCEAN	ENV,H 41000			
		OCEAN	ENV,H 42000			
		OCEAN	ENV,H 43000			
		OCEAN	ENV,H 44000			
		OCEAN	LAB BLANK			

RUN ON: 11/02/11

**WATER QUALITY RESULTS
 FROM COLL DATE: 11/02/11
 THRU COLL DATE: 11/02/11
 LOCATION: ENVH, ENVH**

Resample

Date	Time	Source	Specimen ID	T. COLI MPN/100 ml	E. COLI MPN/100 ml	ENTERO MPN/100 ml
		OCEAN	ENV,H 1000			
		OCEAN	ENV,H 4000			
		OCEAN	ENV,H 7000			
		OCEAN	ENV,H 10000			
		OCEAN	ENV,H 11000			
		OCEAN	ENV,H 13000			
		OCEAN	ENV,H 14000			
		OCEAN	ENV,H 19000			
		OCEAN	ENV,H 25000			
		OCEAN	ENV,H 35000			
		OCEAN	ENV,H 36000			
11/02/11	1230	OCEAN	ENV,H 37000	74	10	64
		OCEAN	ENV,H 38000			
		OCEAN	ENV,H 39000			
		OCEAN	ENV,H 40000			
		OCEAN	ENV,H 41000			
		OCEAN	ENV,H 42000			
		OCEAN	ENV,H 43000			
		OCEAN	ENV,H 44000			
		OCEAN	LAB BLANK			

RUN ON: 11/07/11

**WATER QUALITY RESULTS
 FROM COLL DATE: 11/07/11
 THRU COLL DATE: 11/07/11
 LOCATION: ENVH, ENVH**

Date	Time	Source	Specimen ID	T. COLI MPN/100 ml	E. COLI MPN/100 ml	ENTERO MPN/100 ml
11/07/11	0840	OCEAN	ENV,H 1000	120	10	<10
11/07/11	0958	OCEAN	ENV,H 4000	<10	<10	<10
11/07/11	0909	OCEAN	ENV,H 7000	41	<10	10
11/07/11	0918	OCEAN	ENV,H 10000	74	20	<10
11/07/11	0927	OCEAN	ENV,H 11000	169	62	<10
11/07/11	0945	OCEAN	ENV,H 13000	20	<10	<10
11/07/11	0954	OCEAN	ENV,H 14000	108	<10	<10
11/07/11	1005	OCEAN	ENV,H 19000	1,401	31	10
11/07/11	1020	OCEAN	ENV,H 25000	20	<10	<10
11/07/11	1047	OCEAN	ENV,H 32000	160	<10	<10
11/07/11	1052	OCEAN	ENV,H 33000	269	<10	10
11/07/11	1101	OCEAN	ENV,H 35000	86	<10	<10
11/07/11	1112	OCEAN	ENV,H 36000	19,863	459	111
11/07/11	1116	OCEAN	ENV,H 37000	2,063	30	31
11/07/11	1121	OCEAN	ENV,H 38000	20	<10	10
11/07/11	1132	OCEAN	ENV,H 39000	41	<10	<10
11/07/11	1142	OCEAN	ENV,H 40000	62	<10	<10
11/07/11	1205	OCEAN	ENV,H 41000	10	<10	31
11/07/11	1211	OCEAN	ENV,H 42000	52	10	<10
11/07/11	1222	OCEAN	ENV,H 43000	30	<10	20
11/07/11	1231	OCEAN	ENV,H 44000	<10	<10	10
11/07/11	1300	OCEAN	LAB BLANK	<10	<10	<10

RUN ON: 11/14/11

**WATER QUALITY RESULTS
 FROM COLL DATE: 11/14/11
 THRU COLL DATE: 11/14/11
 LOCATION: ENVH, ENVH**

Date	Time	Source	Specimen ID	T. COLI MPN/100 ml	E. COLI MPN/100 ml	ENTERO MPN/100 ml
11/14/11	0839	OCEAN	ENV,H 1000	86	<10	<10
11/14/11	0957	OCEAN	ENV,H 4000	10	10	31
11/14/11	0908	OCEAN	ENV,H 7000	52	<10	20
11/14/11	0917	OCEAN	ENV,H 10000	10	<10	10
11/14/11	0937	OCEAN	ENV,H 11000	20	<10	<10
11/14/11	0950	OCEAN	ENV,H 13000	135	31	<10
11/14/11	0958	OCEAN	ENV,H 14000	201	10	<10
11/14/11	1010	OCEAN	ENV,H 19000	171	<10	<10
11/14/11	1035	OCEAN	ENV,H 25000	121	10	<10
11/14/11	1054	OCEAN	ENV,H 32000	134	10	<10
11/14/11	1059	OCEAN	ENV,H 33000	98	<10	10
11/14/11	1108	OCEAN	ENV,H 35000	281	<10	<10
11/14/11	1118	OCEAN	ENV,H 36000	134	10	31
11/14/11	1124	OCEAN	ENV,H 37000	5,475	10	42
11/14/11	1129	OCEAN	ENV,H 38000	74	<10	<10
11/14/11	1139	OCEAN	ENV,H 39000	41	<10	<10
11/14/11	1149	OCEAN	ENV,H 40000	10	10	<10
11/14/11	1206	OCEAN	ENV,H 41000	52	20	20
11/14/11	1213	OCEAN	ENV,H 42000	30	<10	10
11/14/11	****	OCEAN	ENV,H 43000	NO	SAMPLE	COLLECTED
11/14/11	****	OCEAN	ENV,H 44000	NO	SAMPLE	COLLECTED
11/14/11	1300	OCEAN	LAB BLANK	<10	<10	<10

RUN ON: 11/21/11

**WATER QUALITY RESULTS
 FROM COLL DATE: 11/21/11
 THRU COLL DATE: 11/21/11
 LOCATION: ENVH, ENVH**

Date	Time	Source	Specimen ID	T. COLI MPN/100 ml	E. COLI MPN/100 ml	ENTERO MPN/100 ml
11/21/11	0855	OCEAN	ENV,H 1000	907	86	99
11/21/11	0910	OCEAN	ENV,H 4000	110	20	10
11/21/11	0921	OCEAN	ENV,H 7000	309	20	75
11/21/11	0929	OCEAN	ENV,H 10000	419	41	42
11/21/11	0939	OCEAN	ENV,H 11000	556	350	20
11/21/11	0959	OCEAN	ENV,H 13000	631	20	10
11/21/11	1006	OCEAN	ENV,H 14000	496	10	<10
11/21/11	1015	OCEAN	ENV,H 19000	1,450	31	87
11/21/11	1030	OCEAN	ENV,H 25000	4,106	63	164
11/21/11	1045	OCEAN	ENV,H 32000	2,098	31	<10
11/21/11	1050	OCEAN	ENV,H 33000	1,169	20	31
11/21/11	1055	OCEAN	ENV,H 35000	1,483	20	10
11/21/11	1104	OCEAN	ENV,H 36000	2,613	41	64
11/21/11	1109	OCEAN	ENV,H 37000	2,359	86	87
11/21/11	1115	OCEAN	ENV,H 38000	1,850	41	20
11/21/11	1119	OCEAN	ENV,H 39000	1,850	41	31
11/21/11	1123	OCEAN	ENV,H 40000	1,112	41	<10
11/21/11	1140	OCEAN	ENV,H 41000	97	10	20
11/21/11	1145	OCEAN	ENV,H 42000	373	10	31
11/21/11	1151	OCEAN	ENV,H 43000	733	10	31
11/21/11	1158	OCEAN	ENV,H 44000	984	82	<10
11/21/11	1300	OCEAN	LAB BLANK	<10	<10	<10

RUN ON: 12/05/11

**WATER QUALITY RESULTS
 FROM COLL DATE: 12/05/11
 THRU COLL DATE: 12/05/11
 LOCATION: ENVH, ENVH**

Date	Time	Source	Specimen ID	T. COLI MPN/100 ml	E. COLI MPN/100 ml	ENTERO MPN/100 ml
12/05/11	0844	OCEAN	ENV,H 1000	52	<10	<10
12/05/11	0904	OCEAN	ENV,H 4000	10	<10	<10
12/05/11	0914	OCEAN	ENV,H 7000	<10	<10	<10
12/05/11	0923	OCEAN	ENV,H 10000	10	<10	<10
12/05/11	0933	OCEAN	ENV,H 11000	<10	<10	20
12/05/11	0948	OCEAN	ENV,H 13000	52	<10	10
12/05/11	0956	OCEAN	ENV,H 14000	20	<10	<10
12/05/11	1006	OCEAN	ENV,H 19000	31	<10	10
12/05/11	1023	OCEAN	ENV,H 25000	<10	<10	<10
12/05/11	1048	OCEAN	ENV,H 32000	10	10	<10
12/05/11	1052	OCEAN	ENV,H 33000	<10	<10	10
12/05/11	1100	OCEAN	ENV,H 35000	20	<10	<10
12/05/11	1110	OCEAN	ENV,H 36000	97	41	<10
12/05/11	1114	OCEAN	ENV,H 37000	41	10	<10
12/05/11	1121	OCEAN	ENV,H 38000	10	<10	<10
12/05/11	1132	OCEAN	ENV,H 39000	<10	<10	<10
12/05/11	1139	OCEAN	ENV,H 40000	<10	<10	10
12/05/11	1204	OCEAN	ENV,H 41000	179	20	10
12/05/11	1212	OCEAN	ENV,H 42000	1,439	110	31
12/05/11	1230	OCEAN	ENV,H 43000	<10	<10	10
12/05/11	1231	OCEAN	ENV,H 44000	52	31	<10
12/05/11	1300	OCEAN	LAB BLANK	<10	<10	<10

RUN ON: 12/12/11

**WATER QUALITY RESULTS
 FROM COLL DATE: 12/12/11
 THRU COLL DATE: 12/12/11
 LOCATION: ENVH, ENVH**

Date	Time	Source	Specimen ID	T. COLI MPN/100 ml	E. COLI MPN/100 ml	ENTERO MPN/100 ml
12/12/11	0850	OCEAN	ENV,H 1000	63	<10	<10
12/12/11	0906	OCEAN	ENV,H 4000	<10	<10	<10
12/12/11	0917	OCEAN	ENV,H 7000	158	10	<10
12/12/11	0925	OCEAN	ENV,H 10000	218	<10	<10
12/12/11	0935	OCEAN	ENV,H 11000	10	<10	<10
12/12/11	0954	OCEAN	ENV,H 13000	63	<10	<10
12/12/11	1000	OCEAN	ENV,H 14000	31	<10	<10
12/12/11	1008	OCEAN	ENV,H 19000	459	20	20
12/12/11	1021	OCEAN	ENV,H 25000	10	10	10
12/12/11	1037	OCEAN	ENV,H 32000	10	10	10
12/12/11	1041	OCEAN	ENV,H 33000	10	10	10
12/12/11	1048	OCEAN	ENV,H 35000	10	10	10
12/12/11	1056	OCEAN	ENV,H 36000	546	74	20
12/12/11	1059	OCEAN	ENV,H 37000	108	20	42
12/12/11	1107	OCEAN	ENV,H 38000	86	10	10
12/12/11	1114	OCEAN	ENV,H 39000	98	10	<10
12/12/11	1120	OCEAN	ENV,H 40000	20	<10	<10
12/12/11	1137	OCEAN	ENV,H 41000	384	<10	20
12/12/11	1143	OCEAN	ENV,H 42000	11,199	179	384
12/12/11	****	OCEAN	ENV,H 43000	NO	SAMPLE	COLLECTED
12/12/11	****	OCEAN	ENV,H 44000	NO	SAMPLE	COLLECTED
12/12/11	1300	OCEAN	LAB BLANK	<10	<10	<10

RUN ON: 12/19/11

**WATER QUALITY RESULTS
 FROM COLL DATE: 12/19/11
 THRU COLL DATE: 12/19/11
 LOCATION: ENVH, ENVH**

Date	Time	Source	Specimen ID	T. COLI MPN/100 ml	E. COLI MPN/100 ml	ENTERO MPN/100 ml
12/19/11	0847	OCEAN	ENV,H 25000	74	52	31
12/19/11	0917	OCEAN	ENV,H 1000	63	41	<10
12/19/11	0940	OCEAN	ENV,H 4000	10	10	10
12/19/11	0951	OCEAN	ENV,H 7000	31	<10	<10
12/19/11	1002	OCEAN	ENV,H 10000	10	<10	<10
12/19/11	1011	OCEAN	ENV,H 11000	10	<10	<10
12/19/11	1026	OCEAN	ENV,H 13000	10	<10	<10
12/19/11	1040	OCEAN	ENV,H 14000	20	10	10
12/19/11	1047	OCEAN	ENV,H 19000	10	10	<10
12/19/11	1112	OCEAN	ENV,H 35000	109	97	10
12/19/11	1130	OCEAN	ENV,H 32000	10	<10	10
12/19/11	1144	OCEAN	ENV,H 33000	<10	<10	<10
12/19/11	1155	OCEAN	ENV,H 36000	31	<10	<10
12/19/11	1200	OCEAN	ENV,H 37000	63	41	10
12/19/11	1204	OCEAN	ENV,H 38000	20	<10	10
12/19/11	1211	OCEAN	ENV,H 39000	<10	<10	<10
12/19/11	1216	OCEAN	ENV,H 40000	<10	<10	<10
12/19/11	1238	OCEAN	ENV,H 41000	41	10	<10
12/19/11	1245	OCEAN	ENV,H 42000	5,172	605	64
12/19/11	1252	OCEAN	ENV,H 43000	41	<10	<10
12/19/11	1258	OCEAN	ENV,H 44000	10	10	<10
12/19/11	1300	OCEAN	LAB BLANK	<10	<10	<10

RUN ON: 12/27/11

**WATER QUALITY RESULTS
 FROM COLL DATE: 12/27/11
 THRU COLL DATE: 12/27/11
 LOCATION: ENVH, ENVH**

Date	Time	Source	Specimen ID	T. COLI MPN/100 ml	E. COLI MPN/100 ml	ENTERO MPN/100 ml
12/27/11	0853	OCEAN	ENV,H 1000	20	<10	31
12/27/11	0908	OCEAN	ENV,H 4000	20	20	<10
12/27/11	0919	OCEAN	ENV,H 7000	41	31	<10
12/27/11	0927	OCEAN	ENV,H 10000	20	20	64
12/27/11	0938	OCEAN	ENV,H 11000	<10	<10	<10
12/27/11	0957	OCEAN	ENV,H 13000	52	<10	<10
12/27/11	1002	OCEAN	ENV,H 14000	10	<10	178
12/27/11	1013	OCEAN	ENV,H 19000	10	<10	<10
12/27/11	1027	OCEAN	ENV,H 25000	<10	<10	<10
12/27/11	1043	OCEAN	ENV,H 32000	31	10	<10
12/27/11	1047	OCEAN	ENV,H 33000	10	10	<10
12/27/11	1054	OCEAN	ENV,H 35000	60	50	<10
12/27/11	1105	OCEAN	ENV,H 36000	10	10	<10
12/27/11	1109	OCEAN	ENV,H 37000	51	<10	<10
12/27/11	1117	OCEAN	ENV,H 38000	148	31	10
12/27/11	1123	OCEAN	ENV,H 39000	187	31	42
12/27/11	1127	OCEAN	ENV,H 40000	134	31	<10
12/27/11	1143	OCEAN	ENV,H 41000	10	<10	<10
12/27/11	1149	OCEAN	ENV,H 42000	20	10	<10
12/27/11	1155	OCEAN	ENV,H 43000	<10	<10	<10
12/27/11	1202	OCEAN	ENV,H 44000	10	<10	<10
12/27/11	1300	OCEAN	LAB BLANK	<10	<10	<10

RUN ON: 01/03/12

**WATER QUALITY RESULTS
 FROM COLL DATE: 01/03/12
 THRU COLL DATE: 01/03/12
 LOCATION: ENVH, ENVH**

Date	Time	Source	Specimen ID	T. COLI MPN/100 ml	F. COLI MPN/100 ml	ENTERO MPN/100 ml
01/03/12	0849	OCEAN	ENV,H 1000	<10	<10	<10
01/03/12	0908	OCEAN	ENV,H 4000	<10	<10	<10
01/03/12	0917	OCEAN	ENV,H 7000	<10	<10	<10
01/03/12	0927	OCEAN	ENV,H 10000	63	<10	<10
01/03/12	0935	OCEAN	ENV,H 11000	20	20	<10
01/03/12	0955	OCEAN	ENV,H 13000	122	41	10
01/03/12	1001	OCEAN	ENV,H 14000	10	<10	<10
01/03/12	1017	OCEAN	ENV,H 19000	41	20	10
01/03/12	1032	OCEAN	ENV,H 25000	52	20	<10
01/03/12	1058	OCEAN	ENV,H 32000	20	20	10
01/03/12	1103	OCEAN	ENV,H 33000	10	10	<10
01/03/12	1116	OCEAN	ENV,H 35000	10	10	<10
01/03/12	1124	OCEAN	ENV,H 36000	10	<10	<10
01/03/12	1129	OCEAN	ENV,H 37000	41	<10	<10
01/03/12	1136	OCEAN	ENV,H 38000	<10	<10	<10
01/03/12	1146	OCEAN	ENV,H 39000	<10	<10	<10
01/03/12	1154	OCEAN	ENV,H 40000	<10	<10	<10
01/03/12	1213	OCEAN	ENV,H 41000	<10	<10	<10
01/03/12	1220	OCEAN	ENV,H 42000	10	<10	10
01/03/12	1225	OCEAN	ENV,H 43000	<10	<10	<10
01/03/12	1237	OCEAN	ENV,H 44000	<10	<10	10
01/03/12	1300	OCEAN	LAB BLANK	<10	<10	<10

RUN ON: 01/09/12

**WATER QUALITY RESULTS
 FROM COLL DATE: 01/09/12
 THRU COLL DATE: 01/09/12
 LOCATION: ENVH, ENVH**

Date	Time	Source	Specimen ID	T. COLI MPN/100 ml	E. COLI MPN/100 ml	ENTERO MPN/100 ml
01/09/12	0850	OCEAN	ENV,H 1000	20	10	<10
01/09/12	0910	OCEAN	ENV,H 4000	<10	<10	10
01/09/12	0919	OCEAN	ENV,H 7000	<10	<10	<10
01/09/12	0928	OCEAN	ENV,H 10000	173	<10	31
01/09/12	0939	OCEAN	ENV,H 11000	10	<10	20
01/09/12	0954	OCEAN	ENV,H 13000	748	52	42
01/09/12	0959	OCEAN	ENV,H 14000	189	10	10
01/09/12	1012	OCEAN	ENV,H 19000	213	41	<10
01/09/12	1030	OCEAN	ENV,H 25000	<10	<10	10
01/09/12	1045	OCEAN	ENV,H 32000	52	10	10
01/09/12	1051	OCEAN	ENV,H 33000	41	10	10
01/09/12	1059	OCEAN	ENV,H 35000	86	<10	<10
01/09/12	1111	OCEAN	ENV,H 36000	20	<10	<10
01/09/12	1116	OCEAN	ENV,H 37000	185	109	53
01/09/12	1121	OCEAN	ENV,H 38000	20	10	<10
01/09/12	1130	OCEAN	ENV,H 39000	52	10	10
01/09/12	1135	OCEAN	ENV,H 40000	10	<10	10
01/09/12	1202	OCEAN	ENV,H 41000	41	10	31
01/09/12	1207	OCEAN	ENV,H 42000	41	41	10
01/09/12	1215	OCEAN	ENV,H 43000	<10	<10	<10
01/09/12	1225	OCEAN	ENV,H 44000	<10	<10	10
01/09/12	1315	OCEAN	LAB BLANK	<10	<10	<10

RUN ON: 01/17/12

**WATER QUALITY RESULTS
 FROM COLL DATE: 01/17/12
 THRU COLL DATE: 01/17/12
 LOCATION: ENVH, ENVH**

Date	Time	Source	Specimen ID	T. COLI MPN/100 ml	F. COLI MPN/100 ml	ENTFRO MPN/100 ml
01/17/12	0850	OCEAN	ENV,H 1000	10	10	<10
01/17/12	0908	OCEAN	FNV,H 4000	<10	<10	<10
01/17/12	0918	OCEAN	FNV,H 7000	<10	<10	<10
01/17/12	0927	OCEAN	ENV,H 10000	<10	<10	<10
01/17/12	0935	OCEAN	ENV,H 11000	<10	<10	<10
01/17/12	0953	OCEAN	FNV,H 13000	146	10	10
01/17/12	1002	OCEAN	ENV,H 14000	359	<10	<10
01/17/12	1017	OCEAN	FNV,H 19000	41	20	<10
01/17/12	1032	OCEAN	ENV,H 25000	10	10	<10
01/17/12	1054	OCEAN	ENV,H 32000	<10	<10	<10
01/17/12	1102	OCEAN	FNV,H 34000	<10	<10	<10
01/17/12	1113	OCEAN	ENV,H 35000	<10	<10	<10
01/17/12	1124	OCEAN	FNV,H 36000	<10	<10	<10
01/17/12	1129	OCEAN	FNV,H 37000	<10	<10	<10
01/17/12	1135	OCEAN	FNV,H 38000	<10	<10	<10
01/17/12	1145	OCEAN	ENV,H 39000	20	<10	<10
01/17/12	1153	OCEAN	ENV,H 40000	<10	<10	<10
01/17/12	1212	OCEAN	FNV,H 41000	52	20	20
01/17/12	1218	OCEAN	FNV,H 42000	74	<10	<10
01/17/12	1226	OCEAN	ENV,H 43000	31	<10	<10
01/17/12	1238	OCEAN	ENV,H 44000	20	<10	<10
01/17/12	1300	OCEAN	LAB BLANK	<10	<10	<10

**WATER QUALITY RESULTS
 FROM COLL DATE: 01/23/12
 THRU COLL DATE: 01/23/12
 LOCATION: ENVH, ENVH**

RUN ON: 01/23/12

Date	Time	Source	Specimen ID	T. COLI MPN/100 ml	E. COLI MPN/100 ml	ENTERO MP N/100 ml
01/23/12	0851	OCEAN	EN,VH 1,000	74	<10	222
01/23/12	0902	OCEAN	EN,VH 4,000	41	<10	99
01/23/12	0912	OCEAN	EN,VH 7,000	96	<10	53
01/23/12	0920	OCEAN	EN,VH 10,000	8,664	63	192
01/23/12	0931	OCEAN	EN,VH 11,000	1,236	74	164
01/23/12	0945	OCEAN	EN,VH 13,000	1,162	52	406
01/23/12	0954	OCEAN	EN,VH 14,000	>24,192	521	364
01/23/12	1020	OCEAN	EN,VH 19,000	9,208	1,054	137
01/23/12	1203	OCEAN	EN,VH 25,000	1,860	20	192
01/23/12	1216	OCEAN	EN,VH 32,000	10	<10	99
01/23/12	1220	OCEAN	EN,VH 33,000	20	<10	87
01/23/12	1230	OCEAN	EN,VH 35,000	41	10	42
01/23/12	1245	OCEAN	EN,VH 36,000	9,804	256	1,184
01/23/12	1250	OCEAN	EN,VH 37,000	3,873	74	1,445
01/23/12	1300	OCEAN	EN,VH 38,000	201	31	137
01/23/12	1310	OCEAN	EN,VH 39,000	134	20	137
01/23/12	1320	OCEAN	EN,VH 40,000	110	20	64
01/23/12	1350	OCEAN	EN,VH 41,000	247	51	75
01/23/12	1355	OCEAN	EN,VH 42,000	>24,192	733	164
01/23/12	1415	OCEAN	EN,VH 43,000	120	41	222
01/23/12	1430	OCEAN	EN,VH 44,000	17,329	288	137
01/23/12	1300	OCEAN	EN,VH BLANK	<10	<10	<10

RUN ON: 01/30/12

**WATER QUALITY RESULTS
 FROM COLL DATE: 01/30/12
 THRU COLL DATE: 01/30/12
 LOCATION: ENVH, ENVH**

Date	Time	Source	Specimen ID	T. COLI MPN/100 ml	E. COLI MPN/100 ml	ENTERO MPN/100 ml
01/30/12	0846	OCEAN	ENV,H 1000	20	<10	<10
01/30/12	0906	OCEAN	ENV,H 4000	41	10	<10
01/30/12	0916	OCEAN	ENV,H 7000	10	<10	10
01/30/12	0925	OCEAN	ENV,H 10000	<10	<10	<10
01/30/12	0934	OCEAN	ENV,H 11000	<10	<10	<10
01/30/12	0951	OCEAN	ENV,H 13000	<10	<10	<10
01/30/12	0959	OCEAN	ENV,H 14000	<10	<10	<10
01/30/12	1010	OCEAN	ENV,H 19000	10	<10	<10
01/30/12	1023	OCEAN	ENV,H 25000	20	20	<10
01/30/12	1042	OCEAN	ENV,H 32000	<10	<10	<10
01/30/12	1047	OCEAN	ENV,H 33000	20	20	<10
01/30/12	1058	OCEAN	ENV,H 35000	<10	<10	<10
01/30/12	1107	OCEAN	ENV,H 36000	10	<10	<10
01/30/12	1113	OCEAN	ENV,H 37000	10	<10	31
01/30/12	1118	OCEAN	ENV,H 38000	<10	<10	10
01/30/12	1127	OCEAN	ENV,H 39000	10	<10	<10
01/30/12	1136	OCEAN	ENV,H 40000	<10	<10	<10
01/30/12	1158	OCEAN	ENV,H 41000	52	41	<10
01/30/12	1203	OCEAN	ENV,H 42000	20	<10	10
01/30/12	1212	OCEAN	ENV,H 43000	63	<10	<10
01/30/12	1224	OCEAN	ENV,H 44000	10	<10	<10
01/30/12	1300	OCEAN	LAB BLANK	<10	<10	<10

RUN ON: 02/06/12

**WATER QUALITY RESULTS
 FROM COLL DATE: 02/06/12
 THRU COLL DATE: 02/06/12
 LOCATION: ENVH, ENVH**

Date	Time	Source	Specimen ID	T. COLI MPN/100 ml	E. COLI MPN/100 ml	ENTERO MPN/100 ml
02/06/12	0841	OCEAN	ENV,H 1000	<10	<10	<10
02/06/12	0859	OCEAN	ENV,H 4000	<10	<10	10
02/06/12	0909	OCEAN	ENV,H 7000	41	<10	10
02/06/12	0919	OCEAN	ENV,H 10000	10	<10	<10
02/06/12	0930	OCEAN	ENV,H 11000	<10	<10	<10
02/06/12	0944	OCEAN	ENV,H 13000	413	51	10
02/06/12	0950	OCEAN	ENV,H 14000	209	20	<10
02/06/12	1001	OCEAN	ENV,H 19000	61	50	10
02/06/12	1020	OCEAN	ENV,H 25000	20	20	<10
02/06/12	1040	OCEAN	ENV,H 32000	10	<10	<10
02/06/12	1045	OCEAN	ENV,H 33000	<10	<10	<10
02/06/12	1055	OCEAN	ENV,H 35000	31	<10	<10
02/06/12	1110	OCEAN	ENV,H 36000	10	<10	<10
02/06/12	1114	OCEAN	ENV,H 37000	52	20	222
02/06/12	1121	OCEAN	ENV,H 38000	<10	<10	<10
02/06/12	1139	OCEAN	ENV,H 39000	<10	<10	<10
02/06/12	1144	OCEAN	ENV,H 40000	<10	<10	<10
02/06/12	1203	OCEAN	ENV,H 41000	52	<10	10
02/06/12	1209	OCEAN	ENV,H 42000	41	<10	<10
02/06/12	****	OCEAN	ENV,H 43000	NO	SPECIMEN	COLLECTED
02/06/12	****	OCEAN	ENV,H 44000	NO	SPECIMEN	COLLECTED
02/06/12	1300	OCEAN	LAB BLANK	<10	<10	<10

RUN ON: 02/13/12

**WATER QUALITY RESULTS
 FROM COLL DATE: 02/13/12
 THRU COLL DATE: 02/13/12
 LOCATION: ENVH, ENVH**

Date	Time	Source	Specimen ID	T. COLI MPN/100 ml	E. COLI MPN/100 ml	ENTERO MPN/100 ml
02/13/12	0836	OCEAN	ENV,H 1000	86	20	<10
02/13/12	0956	OCEAN	ENV,H 4000	<10	<10	<10
02/13/12	0906	OCEAN	ENV,H 7000	10	<10	<10
02/13/12	0914	OCEAN	ENV,H 10000	41	<10	<10
02/13/12	0926	OCEAN	ENV,H 11000	<10	<10	<10
02/13/12	0941	OCEAN	ENV,H 13000	187	<10	20
02/13/12	0950	OCEAN	ENV,H 14000	175	10	<10
02/13/12	1003	OCEAN	ENV,H 19000	63	<10	<10
02/13/12	1022	OCEAN	ENV,H 25000	31	20	10
02/13/12	1045	OCEAN	ENV,H 32000	31	10	<10
02/13/12	1051	OCEAN	ENV,H 33000	10	<10	<10
02/13/12	1101	OCEAN	ENV,H 35000	10	<10	<10
02/13/12	1112	OCEAN	ENV,H 36000	52	20	<10
02/13/12	1117	OCEAN	ENV,H 37000	31	20	<10
02/13/12	1124	OCEAN	ENV,H 38000	<10	<10	10
02/13/12	1131	OCEAN	ENV,H 39000	<10	<10	<10
02/13/12	1139	OCEAN	ENV,H 40000	10	<10	<10
02/13/12	1203	OCEAN	ENV,H 41000	1,935	697	53
02/13/12	1209	OCEAN	ENV,H 42000	404	52	31
02/13/12	1216	OCEAN	ENV,H 43000	148	63	20
02/13/12	1255	OCEAN	ENV,H 44000	85	30	<10
02/13/12	1300	OCEAN	LAB BLANK	<10	<10	<10

RUN ON: 02/21/12

**WATER QUALITY RESULTS
 FROM COLL DATE: 02/21/12
 THRU COLL DATE: 02/21/12
 LOCATION: ENVH, ENVH**

Date	Time	Source	Specimen ID	T. COLI MPN/100 ml	E. COLI MPN/100 ml	ENTERO MPN/100 ml
02/21/12	0851	OCEAN	ENV,H 1000	20	<10	42
02/21/12	0906	OCEAN	ENV,H 4000	<10	<10	<10
02/21/12	0917	OCEAN	ENV,H 7000	20	<10	<10
02/21/12	0928	OCEAN	ENV,H 10000	20	<10	<10
02/21/12	0939	OCEAN	ENV,H 11000	<10	<10	10
02/21/12	0952	OCEAN	ENV,H 13000	63	<10	<10
02/21/12	1001	OCEAN	ENV,H 14000	120	63	<10
02/21/12	1015	OCEAN	ENV,H 19000	20	<10	10
02/21/12	1030	OCEAN	ENV,H 25000	10	10	10
02/21/12	1055	OCEAN	ENV,H 32000	10	10	10
02/21/12	1108	OCEAN	ENV,H 33000	<10	<10	<10
02/21/12	1118	OCEAN	ENV,H 35000	10	<10	<10
02/21/12	1127	OCEAN	ENV,H 36000	10	<10	<10
02/21/12	1132	OCEAN	ENV,H 37000	85	<10	<10
02/21/12	1140	OCEAN	ENV,H 38000	10	<10	<10
02/21/12	1150	OCEAN	ENV,H 39000	<10	<10	<10
02/21/12	1157	OCEAN	ENV,H 40000	<10	<10	<10
02/21/12	1218	OCEAN	ENV,H 41000	20	10	10
02/21/12	1228	OCEAN	ENV,H 42000	10	10	20
02/21/12	1236	OCEAN	ENV,H 43000	20	20	<10
02/21/12	1245	OCEAN	ENV,H 44000	<10	<10	<10
02/21/12	1300	OCEAN	LAB BLANK	<10	<10	<10

RUN ON: 02/27/12

**WATER QUALITY RESULTS
 FROM COLL DATE: 02/27/12
 THRU COLL DATE: 02/27/12
 LOCATION: ENVH, ENVH**

Date	Time	Source	Specimen ID	T. COLI MPN/100 ml	E. COLI MPN/100 ml	ENTERO MPN/100 ml
02/27/12	0842	OCEAN	ENV,H 1000	52	<10	10
02/27/12	0900	OCEAN	ENV,H 4000	<10	<10	<10
02/27/12	0914	OCEAN	ENV,H 7000	20	10	<10
02/27/12	0922	OCEAN	ENV,H 10000	63	63	<10
02/27/12	0933	OCEAN	ENV,H 11000	<10	<10	<10
02/27/12	0948	OCEAN	ENV,H 13000	63	41	10
02/27/12	0952	OCEAN	ENV,H 14000	10	<10	<10
02/27/12	1005	OCEAN	ENV,H 19000	160	<10	<10
02/27/12	1023	OCEAN	ENV,H 25000	20	10	<10
02/27/12	1045	OCEAN	ENV,H 32000	<10	<10	<10
02/27/12	1050	OCEAN	ENV,H 33000	20	20	10
02/27/12	1100	OCEAN	ENV,H 35000	<10	<10	<10
02/27/12	1111	OCEAN	ENV,H 36000	288	10	<10
02/27/12	1117	OCEAN	ENV,H 37000	85	10	<10
02/27/12	1127	OCEAN	ENV,H 38000	10	10	20
02/27/12	1136	OCEAN	ENV,H 39000	<10	<10	<10
02/27/12	1145	OCEAN	ENV,H 40000	10	<10	<10
02/27/12	1205	OCEAN	ENV,H 41000	10	10	<10
02/27/12	1211	OCEAN	ENV,H 42000	31	10	<10
02/27/12	1220	OCEAN	ENV,H 43000	<10	<10	<10
02/27/12	1230	OCEAN	ENV,H 44000	<10	<10	<10
02/27/12	1300	OCEAN	LAB BLANK	<10	<10	<10

RUN ON: 03/05/12
WATER QUALITY RESULTS
FROM COLL DATE: 03/05/12
THRU COLL DATE: 03/05/12
LOCATION: ENVH, ENVH

Date	Time	Source	Specimen ID	T. COLI MPN/100 ml	E. COLI MPN/100 ml	ENTERO MPN/100 ml
03/05/12	0840	OCEAN	ENV,H 1000	51	20	20
03/05/12	0958	OCEAN	ENV,H 4000	31	<10	31
03/05/12	0913	OCEAN	ENV,H 7000	<10	<10	<10
03/05/12	0928	OCEAN	ENV,H 10000	<10	<10	10
03/05/12	0942	OCEAN	ENV,H 11000	<10	<10	<10
03/05/12	1014	OCEAN	ENV,H 13000	10	<10	<10
03/05/12	1023	OCEAN	ENV,H 14000	10	<10	<10
03/05/12	1038	OCEAN	ENV,H 19000	<10	<10	<10
03/05/12	1052	OCEAN	ENV,H 25000	<10	<10	<10
03/05/12	1111	OCEAN	ENV,H 32000	20	10	<10
03/05/12	1116	OCEAN	ENV,H 33000	<10	<10	<10
03/05/12	1131	OCEAN	ENV,H 35000	<10	<10	<10
03/05/12	1142	OCEAN	ENV,H 36000	10	<10	<10
03/05/12	1146	OCEAN	ENV,H 37000	134	85	87
03/05/12	1150	OCEAN	ENV,H 38000	<10	<10	<10
03/05/12	1207	OCEAN	ENV,H 39000	<10	<10	<10
03/05/12	1216	OCEAN	ENV,H 40000	52	20	<10
03/05/12	1235	OCEAN	ENV,H 41000	10	<10	<10
03/05/12	1242	OCEAN	ENV,H 42000	10	<10	<10
03/05/12	1252	OCEAN	ENV,H 43000	<10	<10	<10
03/05/12	1305	OCEAN	ENV,H 44000	<10	<10	<10
03/05/12	1300	OCEAN	LAB BLANK	<10	<10	<10

RUN ON: 03/12/12

**WATER QUALITY RESULTS
 FROM COLL DATE: 03/12/12
 THRU COLL DATE: 03/12/12
 LOCATION: ENVH, ENVH**

Date	Time	Source	Specimen ID	T. COLI MPN/100 ml	E. COLI MPN/100 ml	ENTERO MPN/100 ml
03/12/12	0853	OCEAN	ENV,H 1000	95	30	<10
03/12/12	0911	OCEAN	ENV,H 4000	<10	<10	<10
03/12/12	0925	OCEAN	ENV,H 7000	10	<10	<10
03/12/12	0933	OCEAN	ENV,H 10000	<10	<10	<10
03/12/12	0944	OCEAN	ENV,H 11000	10	<10	<10
03/12/12	0959	OCEAN	ENV,H 13000	10	<10	<10
03/12/12	1015	OCEAN	ENV,H 14000	727	30	87
03/12/12	1025	OCEAN	ENV,H 19000	31	20	<10
03/12/12	1041	OCEAN	ENV,H 25000	<10	<10	<10
03/12/12	1101	OCEAN	ENV,H 32000	<10	<10	10
03/12/12	1114	OCEAN	ENV,H 33000	<10	<10	<10
03/12/12	1123	OCEAN	ENV,H 35000	<10	<10	<10
03/12/12	1133	OCEAN	ENV,H 36000	<10	<10	10
03/12/12	1138	OCEAN	ENV,H 37000	121	41	53
03/12/12	1144	OCEAN	ENV,H 38000	<10	<10	<10
03/12/12	1154	OCEAN	ENV,H 39000	<10	<10	<10
03/12/12	1200	OCEAN	ENV,H 40000	10	<10	20
03/12/12	1220	OCEAN	ENV,H 41000	20	20	<10
03/12/12	1227	OCEAN	ENV,H 42000	10	10	<10
03/12/12	1234	OCEAN	ENV,H 43000	10	<10	10
03/12/12	1246	OCEAN	ENV,H 44000	10	<10	<10
03/12/12	1300	OCEAN	LAB BLANK	<10	<10	<10

RUN ON: 03/19/12

**WATER QUALITY RESULTS
 FROM COLL DATE: 03/19/12
 THRU COLL DATE: 03/19/12
 LOCATION: ENVH, ENVH**

Date	Time	Source	Specimen ID	T. COLI MPN/100 ml	E. COLI MPN/100 ml	ENTERO MPN/100 ml
03/19/12	0846	OCEAN	ENV,H 1000	426	20	<10
03/19/12	0905	OCEAN	ENV,H 4000	146	<10	20
03/19/12	0915	OCEAN	ENV,H 7000	74	30	20
03/19/12	0922	OCEAN	ENV,H 10000	145	20	<10
03/19/12	0933	OCEAN	ENV,H 11000	10	<10	<10
03/19/12	0946	OCEAN	ENV,H 13000	450	52	<10
03/19/12	0954	OCEAN	ENV,H 14000	187	10	<10
03/19/12	1005	OCEAN	ENV,H 19000	389	86	10
03/19/12	1020	OCEAN	ENV,H 25000	<10	<10	<10
03/19/12	1050	OCEAN	ENV,H 32000	41	<10	<10
03/19/12	1057	OCEAN	ENV,H 33000	<10	<10	<10
03/19/12	1109	OCEAN	ENV,H 35000	<10	<10	<10
03/19/12	1123	OCEAN	ENV,H 36000	419	<10	<10
03/19/12	1128	OCEAN	ENV,H 37000	404	<10	<10
03/19/12	1138	OCEAN	ENV,H 38000	63	<10	<10
03/19/12	1148	OCEAN	ENV,H 39000	148	<10	<10
03/19/12	1155	OCEAN	ENV,H 40000	86	<10	<10
03/19/12	1219	OCEAN	ENV,H 41000	<10	<10	<10
03/19/12	1225	OCEAN	ENV,H 42000	<10	<10	<10
03/19/12	1232	OCEAN	ENV,H 43000	41	20	<10
03/19/12	1341	OCEAN	ENV,H 44000	30	<10	<10
03/19/12	1345	OCEAN	LAB BLANK	<10	<10	<10

RUN ON: 05/29/12

**WATER QUALITY RESULTS
 FROM COLL DATE: 05/29/12
 THRU COLL DATE: 05/29/12
 LOCATION: ENVH, ENVH**

Date	Time	Source	Specimen ID	T. COLI MPN/100 ml	E. COLI MPN/100 ml	ENTERO MPN/100 ml
05/29/12	0850	OCEAN	ENV,H 1000	31	<10	<10
05/29/12	0910	OCEAN	ENV,H 4000	<10	<10	<10
05/29/12	0930	OCEAN	ENV,H 7000	<10	<10	<10
05/29/12	0939	OCEAN	ENV,H 10000	10	<10	<10
05/29/12	0950	OCEAN	ENV,H 11000	<10	<10	<10
05/29/12	1010	OCEAN	ENV,H 13000	121	<10	<10
05/29/12	1020	OCEAN	ENV,H 14000	120	<10	<10
05/29/12	1034	OCEAN	ENV,H 19000	<10	<10	10
05/29/12	1053	OCEAN	ENV,H 25000	<10	<10	<10
05/29/12	1115	OCEAN	ENV,H 32000	10	<10	<10
05/29/12	1125	OCEAN	ENV,H 33000	<10	<10	<10
05/29/12	1135	OCEAN	ENV,H 35000	10	<10	<10
05/29/12	1150	OCEAN	ENV,H 36000	97	41	<10
05/29/12	1155	OCEAN	ENV,H 37000	<10	<10	10
05/29/12	1202	OCEAN	ENV,H 38000	10	10	<10
05/29/12	1208	OCEAN	ENV,H 39000	<10	<10	<10
05/29/12	1217	OCEAN	ENV,H 40000	<10	<10	<10
05/29/12	1237	OCEAN	ENV,H 41000	20	<10	<10
05/29/12	1244	OCEAN	ENV,H 42000	10	<10	<10
05/29/12	1251	OCEAN	ENV,H 43000	<10	<10	<10
05/29/12	1302	OCEAN	ENV,H 44000	<10	<10	<10
05/29/12	1330	OCEAN	LAB BLANK	<10	<10	<10

RUN ON: 07/02/12

**WATER QUALITY RESULTS
 FROM COLL DATE: 07/02/12
 THRU COLL DATE: 07/02/12
 LOCATION: ENVH, ENVH**

Date	Time	Source	Specimen ID	T. COLI MPN/100 ml	E. COLI MPN/100 ml	ENTERO MPN/100 ml
07/02/12	0855	OCEAN	ENV,H 1000	31	31	10
07/02/12	0914	OCEAN	ENV,H 4000	20	20	<10
07/02/12	0925	OCEAN	ENV,H 7000	10	<10	<10
07/02/12	0934	OCEAN	ENV,H 10000	63	31	<10
07/02/12	0942	OCEAN	ENV,H 11000	41	31	<10
07/02/12	1003	OCEAN	ENV,H 13000	41	20	<10
07/02/12	1008	OCEAN	ENV,H 14000	173	<10	<10
07/02/12	1015	OCEAN	ENV,H 19000	63	31	<10
07/02/12	1029	OCEAN	ENV,H 25000	98	10	<10
07/02/12	1046	OCEAN	ENV,H 32000	<10	<10	<10
07/02/12	1049	OCEAN	ENV,H 33000	10	<10	<10
07/02/12	1056	OCEAN	ENV,H 35000	10	10	<10
07/02/12	1106	OCEAN	ENV,H 36000	5,172	52	<10
07/02/12	1109	OCEAN	ENV,H 37000	20	<10	<10
07/02/12	1119	OCEAN	ENV,H 38000	10	<10	<10
07/02/12	1124	OCEAN	ENV,H 39000	20	10	<10
07/02/12	1129	OCEAN	ENV,H 40000	<10	<10	<10
07/02/12	1153	OCEAN	ENV,H 41000	41	10	<10
07/02/12	1158	OCEAN	ENV,H 42000	41	20	<10
07/02/12	1202	OCEAN	ENV,H 43000	<10	<10	<10
07/02/12	1210	OCEAN	ENV,H 44000	52	30	<10
07/02/12	1330	OCEAN	LAB BLANK	<10	<10	<10

RUN ON: 09/04/12

**WATER QUALITY RESULTS
 FROM COLL DATE: 09/04/12
 THRU COLL DATE: 09/04/12
 LOCATION: ENVH, ENVH**

Date	Time	Source	Specimen ID	T. COLI MPN/100 ml	E. COLI MPN/100 ml	ENTERO MPN/100 ml
09/04/12	0858	OCEAN	ENV,H 1000	20	<10	<10
09/04/12	0925	OCEAN	ENV,H 4000	<10	<10	<10
09/04/12	0935	OCEAN	ENV,H 7000	<10	<10	10
09/04/12	0945	OCEAN	ENV,II 10000	<10	<10	<10
09/04/12	0956	OCEAN	ENV,II 11000	<10	<10	<10
09/04/12	1015	OCEAN	ENV,H 13000	10	<10	20
09/04/12	1023	OCEAN	ENV,H 14000	41	10	<10
09/04/12	1035	OCEAN	ENV,H 19000	20	<10	<10
09/04/12	1050	OCEAN	ENV,H 25000	20	<10	<10
09/04/12	1111	OCEAN	ENV,H 32000	52	41	10
09/04/12	1118	OCEAN	ENV,H 33000	<10	<10	<10
09/04/12	1128	OCEAN	ENV,H 35000	<10	<10	<10
09/04/12	1140	OCEAN	ENV,H 36000	373	373	10
09/04/12	1145	OCEAN	ENV,H 37000	410	109	64
09/04/12	1155	OCEAN	ENV,H 38000	<10	<10	<10
09/04/12	1210	OCEAN	ENV,H 39000	<10	<10	<10
09/04/12	1217	OCEAN	ENV,H 40000	<10	<10	<10
09/04/12	1239	OCEAN	ENV,H 41000	10	<10	<10
09/04/12	1245	OCEAN	ENV,H 42000	<10	<10	<10
09/04/12	1250	OCEAN	ENV,H 43000	10	<10	<10
09/04/12	1300	OCEAN	ENV,H 44000	20	10	10
09/04/12	1330	OCEAN	LAB BLANK	<10	<10	<10

RUN ON: 10/30/12

**WATER QUALITY RESULTS
 FROM COLL DATE: 10/30/12
 THRU COLL DATE: 10/30/12
 LOCATION: ENVH, ENVH**

Date	Time	Source	Specimen ID	T. COLI MPN/100 ml	E. COLI MPN/100 ml	ENTERO MP N/100 ml
10/30/12	0830	OCEAN	EN,VH 29,000	52	<10	<10
10/30/12	0840	OCEAN	EN,VH 30,000	63	31	<10
10/30/12	0852	OCEAN	EN,VH 32,000	51	41	10
10/30/12	0857	OCEAN	EN,VH 33,000	20	20	<10
10/30/12	0907	OCEAN	EN,VH 34,000	10	<10	<10
10/30/12	0915	OCEAN	EN,VH 35,000	20	<10	<10
10/30/12	0926	OCEAN	EN,VH 36,000	10	10	<10
10/30/12	0931	OCEAN	EN,VH 37,000	98	63	99
10/30/12	0940	OCEAN	EN,VH 38,000	41	31	10
10/30/12	1000	OCEAN	EN,VH 39,000	<10	<10	<10
10/30/12	1007	OCEAN	EN,VH 40,000	20	20	<10
10/30/12	1025	OCEAN	EN,VH 41,000	72	31	10
10/30/12	1035	OCEAN	EN,VH 42,000	41	31	<10
10/30/12	1042	OCEAN	EN,VH 43,000	10	10	<10
10/30/12	1055	OCEAN	EN,VH 44,000	20	<10	<10
10/30/12	1125	OCEAN	EN,VH 45,000	20	10	<10
10/30/12	1133	OCEAN	EN,VH 46,000	<10	<10	<10
10/30/12	1145	OCEAN	EN,VH 47,000	30	20	<10
10/30/12	1155	OCEAN	EN,VH 49,000	<10	<10	<10
10/30/12	1215	OCEAN	EN,VH 50,000	20	<10	<10
10/30/12	1300	OCEAN	EN,VH BLANK	<10	<10	<10

RUN ON: 11/05/12

**WATER QUALITY RESULTS
 FROM COLL DATE: 11/05/12
 THRU COLL DATE: 11/05/12
 LOCATION: ENVH, ENVH**

Date	Time	Source	Specimen ID	T. COLI MPN/100 ml	E. COLI MPN/100 ml	ENTERO MPN/100 ml
11/05/12	0837	OCEAN	ENV,H 1000	10	<10	10
11/05/12	0900	OCEAN	ENV,H 4000	<10	<10	<10
11/05/12	0912	OCEAN	ENV,H 7000	10	10	<10
11/05/12	0920	OCEAN	ENV,H 10000	<10	<10	<10
11/05/12	0930	OCEAN	ENV,H 11000	<10	<10	42
11/05/12	0946	OCEAN	ENV,H 13000	120	<10	<10
11/05/12	0956	OCEAN	ENV,H 14000	121	<10	<10
11/05/12	1009	OCEAN	ENV,H 19000	31	10	<10
11/05/12	1025	OCEAN	ENV,H 25000	10	10	<10
11/05/12	1047	OCEAN	ENV,H 32000	30	10	<10
11/05/12	1053	OCEAN	ENV,H 33000	10	<10	<10
11/05/12	1102	OCEAN	ENV,H 35000	<10	<10	<10
11/05/12	1115	OCEAN	ENV,H 36000	132	132	<10
11/05/12	1120	OCEAN	ENV,H 37000	20	<10	<10
11/05/12	1125	OCEAN	ENV,H 38000	<10	<10	<10
11/05/12	1136	OCEAN	ENV,H 39000	10	<10	<10
11/05/12	1147	OCEAN	ENV,H 40000	10	10	<10
11/05/12	1204	OCEAN	ENV,H 41000	98	41	<10
11/05/12	1215	OCEAN	ENV,H 42000	20	20	<10
11/05/12	1225	OCEAN	ENV,H 43000	<10	<10	<10
11/05/12	1235	OCEAN	ENV,H 44000	<10	<10	<10
11/05/12	1300	OCEAN	LAB BLANK	<10	<10	<10

RUN ON: 11/12/12

**WATER QUALITY RESULTS
 FROM COLL DATE: 11/12/12
 THRU COLL DATE: 11/12/12
 LOCATION: ENVH, ENVH**

Date	Time	Source	Specimen ID	T. COLI MPN/100 ml	E. COLI MPN/100 ml	ENTERO MPN/100 ml
11/12/12	0837	OCEAN	ENV,H 1000	265	249	20
11/12/12	0858	OCEAN	ENV,H 4000	10	<10	<10
11/12/12	0910	OCEAN	ENV,H 7000	<10	<10	<10
11/12/12	0922	OCEAN	ENV,H 10000	10	10	<10
11/12/12	0932	OCEAN	ENV,H 11000	10	<10	<10
11/12/12	0945	OCEAN	ENV,H 13000	10	10	<10
11/12/12	0953	OCEAN	ENV,H 14000	41	20	<10
11/12/12	1003	OCEAN	ENV,H 19000	10	10	<10
11/12/12	1020	OCEAN	ENV,H 25000	20	<10	10
11/12/12	1041	OCEAN	ENV,H 32000	<10	<10	<10
11/12/12	1049	OCEAN	ENV,H 33000	<10	<10	<10
11/12/12	1059	OCEAN	ENV,H 35000	<10	<10	<10
11/12/12	1109	OCEAN	ENV,H 36000	20	<10	<10
11/12/12	1114	OCEAN	ENV,H 37000	10	10	<10
11/12/12	1121	OCEAN	ENV,H 38000	<10	<10	<10
11/12/12	1132	OCEAN	ENV,H 39000	10	<10	<10
11/12/12	1142	OCEAN	ENV,H 40000	<10	<10	<10
11/12/12	1202	OCEAN	ENV,H 41000	256	63	42
11/12/12	1212	OCEAN	ENV,H 42000	31	10	<10
11/12/12	1220	OCEAN	ENV,H 43000	10	<10	10
11/12/12	1235	OCEAN	ENV,H 44000	20	20	10
11/12/12	1300	OCEAN	LAB BLANK	<10	<10	<10

RUN ON: 11/19/12

**WATER QUALITY RESULTS
 FROM COLL DATE: 11/19/12
 THRU COLL DATE: 11/19/12
 LOCATION: ENVH, ENVH**

Date	Time	Source	Specimen ID	T. COLI MPN/100 ml	E. COLI MPN/100 ml	ENTERO MPN/100 ml
11/19/12	0851	OCEAN	ENV,H 1000	86	41	<10
11/19/12	0913	OCEAN	ENV,H 4000	<10	<10	<10
11/19/12	0925	OCEAN	ENV,H 7000	10	<10	<10
11/19/12	0933	OCEAN	ENV,H 10000	20	<10	<10
11/19/12	0945	OCEAN	ENV,H 11000	10	<10	<10
11/19/12	1000	OCEAN	ENV,H 13000	169	<10	<10
11/19/12	1010	OCEAN	ENV,H 14000	134	<10	10
11/19/12	1025	OCEAN	ENV,H 19000	888	52	20
11/19/12	1044	OCEAN	ENV,H 25000	1,726	<10	<10
11/19/12	1104	OCEAN	ENV,H 32000	465	<10	<10
11/19/12	1111	OCEAN	ENV,H 33000	631	<10	<10
11/19/12	1121	OCEAN	ENV,H 35000	472	10	<10
11/19/12	1131	OCEAN	ENV,H 36000	2,098	63	<10
11/19/12	1137	OCEAN	ENV,H 37000	1,467	62	20
11/19/12	1148	OCEAN	ENV,H 38000	121	31	<10
11/19/12	1200	OCEAN	ENV,H 39000	63	10	<10
11/19/12	1207	OCEAN	ENV,H 40000	74	<10	<10
11/19/12	1225	OCEAN	ENV,H 41000	20	20	<10
11/19/12	1233	OCEAN	ENV,H 42000	10	10	<10
11/19/12	1240	OCEAN	ENV,H 43000	20	10	<10
11/19/12	1250	OCEAN	ENV,H 44000	<10	<10	<10
11/19/12	1300	OCEAN	LAB BLANK	<10	<10	<10

RUN ON: 11/26/12

**WATER QUALITY RESULTS
 FROM COLL DATE: 11/26/12
 THRU COLL DATE: 11/26/12
 LOCATION: ENVH, ENVH**

Date	Time	Source	Specimen ID	T. COLI MPN/100 ml	E. COLI MPN/100 ml	ENTERO MPN/100 ml
11/26/12	0844	OCEAN	ENV,H 1000	<10	<10	<10
11/26/12	0904	OCEAN	ENV,H 4000	<10	<10	<10
11/26/12	0914	OCEAN	ENV,H 7000	20	10	10
11/26/12	0925	OCEAN	ENV,H 10000	169	31	<10
11/26/12	0938	OCEAN	ENV,H 11000	52	10	87
11/26/12	0951	OCEAN	ENV,H 13000	96	<10	<10
11/26/12	0959	OCEAN	ENV,H 14000	52	30	42
11/26/12	1010	OCEAN	ENV,H 19000	41	20	10
11/26/12	1026	OCEAN	ENV,H 25000	<10	<10	<10
11/26/12	1045	OCEAN	ENV,H 32000	52	<10	53
11/26/12	1055	OCEAN	ENV,H 33000	10	<10	31
11/26/12	1105	OCEAN	ENV,H 35000	<10	<10	<10
11/26/12	1125	OCEAN	ENV,H 36000	62	20	<10
11/26/12	1130	OCEAN	ENV,H 37000	173	20	31
11/26/12	1137	OCEAN	ENV,H 38000	20	10	<10
11/26/12	1145	OCEAN	ENV,H 39000	<10	<10	<10
11/26/12	1153	OCEAN	ENV,H 40000	<10	<10	<10
11/26/12	1215	OCEAN	ENV,H 41000	10	10	<10
11/26/12	1223	OCEAN	ENV,H 42000	63	10	<10
11/26/12	1230	OCEAN	ENV,H 43000	10	<10	<10
11/26/12	1245	OCEAN	ENV,H 44000	20	10	<10
11/26/12	1300	OCEAN	LAB BLANK	<10	<10	<10

RUN ON: 12/03/12

**WATER QUALITY RESULTS
 FROM COLL DATE: 12/03/12
 THRU COLL DATE: 12/03/12
 LOCATION: ENVH, ENVH**

Date	Time	Source	Specimen ID	T. COLI MPN/100 ml	E. COLI MPN/100 ml	ENTERO MPN/100 ml
12/03/12	0856	OCEAN	ENV,H 1000	448	41	64
12/03/12	0920	OCEAN	ENV,H 4000	98	<10	<10
12/03/12	0930	OCEAN	ENV,H 7000	11,199	122	111
12/03/12	0945	OCEAN	ENV,H 10000	2,909	20	31
12/03/12	0957	OCEAN	ENV,H 11000	594	31	10
12/03/12	1020	OCEAN	ENV,H 13000	744	20	<10
12/03/12	1030	OCEAN	ENV,H 14000	959	20	87
12/03/12	1040	OCEAN	ENV,H 19000	1,259	31	53
12/03/12	1100	OCEAN	ENV,H 25000	1,250	52	20
12/03/12	1115	OCEAN	ENV,H 32000	3,255	52	31
12/03/12	1122	OCEAN	ENV,H 33000	4,106	20	42
12/03/12	1132	OCEAN	ENV,H 35000	3,255	31	53
12/03/12	1145	OCEAN	ENV,H 36000	24,192	24,192	>2,005
12/03/12	1150	OCEAN	ENV,H 37000	4,352	285	164
12/03/12	1158	OCEAN	ENV,H 38000	1,467	10	53
12/03/12	1205	OCEAN	ENV,H 39000	1,153	41	20
12/03/12	1212	OCEAN	ENV,H 40000	1,119	31	42
12/03/12	1230	OCEAN	ENV,H 41000	175	<10	<10
12/03/12	1240	OCEAN	ENV,H 42000	213	10	<10
12/03/12	****	OCEAN	ENV,H 43000	**** NO	SAMPLE	COLLECTED
12/03/12	****	OCEAN	ENV,H 44000	**** NO	SAMPLE	COLLECTED
12/03/12	1300	OCEAN	LAB BLANK	<10	<10	<10

RUN ON: 12/10/12

**WATER QUALITY RESULTS
 FROM COLL DATE: 12/10/12
 THRU COLL DATE: 12/10/12
 LOCATION: ENVH, ENVH**

Date	Time	Source	Specimen ID	T. COLI MPN/100 ml	E. COLI MPN/100 ml	ENTERO MPN/100 ml
12/10/12	0845	OCEAN	ENV,H 1000	<10	<10	10
12/10/12	0905	OCEAN	ENV,H 4000	41	41	42
12/10/12	0915	OCEAN	ENV,H 7000	191	92	10
12/10/12	0925	OCEAN	ENV,H 10000	74	31	10
12/10/12	0935	OCEAN	ENV,H 11000	31	10	<10
12/10/12	0955	OCEAN	ENV,H 13000	243	20	53
12/10/12	1001	OCEAN	ENV,H 14000	228	63	429
12/10/12	1013	OCEAN	ENV,H 19000	179	41	10
12/10/12	1032	OCEAN	ENV,H 25000	20	<10	<10
12/10/12	1055	OCEAN	ENV,H 32000	<10	<10	<10
12/10/12	1103	OCEAN	ENV,H 33000	10	10	<10
12/10/12	1113	OCEAN	ENV,H 35000	<10	<10	<10
12/10/12	1127	OCEAN	ENV,H 36000	324	52	20
12/10/12	1133	OCEAN	ENV,H 37000	471	63	10
12/10/12	1142	OCEAN	ENV,H 38000	10	10	<10
12/10/12	1153	OCEAN	ENV,H 39000	20	10	<10
12/10/12	1202	OCEAN	ENV,H 40000	63	10	<10
12/10/12	1225	OCEAN	ENV,H 41000	158	31	31
12/10/12	1232	OCEAN	ENV,H 42000	74	20	31
12/10/12	****	OCEAN	ENV,H 43000	NO	SAMPLE	COLLECTED
12/10/12	****	OCEAN	ENV,H 44000	NO	SAMPLE	COLLECTED
12/10/12	1300	OCEAN	LAB BLANK	<10	<10	<10

RUN ON: 12/17/12

**WATER QUALITY RESULTS
 FROM COLL DATE: 12/17/12
 THRU COLL DATE: 12/17/12
 LOCATION: ENVH, ENVH**

Date	Time	Source	Specimen ID	T. COLI MPN/100 ml	E. COLI MPN/100 ml	ENTERO MPN/100 ml
12/17/12	0845	OCEAN	ENV,H 1000	31	<10	20
12/17/12	0905	OCEAN	ENV,H 4000	10	<10	<10
12/17/12	0915	OCEAN	ENV,H 7000	<10	<10	<10
12/17/12	0925	OCEAN	ENV,H 10000	<10	<10	<10
12/17/12	0935	OCEAN	ENV,H 11000	<10	<10	<10
12/17/12	0949	OCEAN	ENV,H 13000	20	10	<10
12/17/12	1000	OCEAN	ENV,H 14000	51	10	<10
12/17/12	1010	OCEAN	ENV,H 19000	10	<10	10
12/17/12	1020	OCEAN	ENV,H 25000	10	<10	<10
12/17/12	1050	OCEAN	ENV,H 32000	10	<10	<10
12/17/12	1100	OCEAN	ENV,H 33000	10	<10	<10
12/17/12	1110	OCEAN	ENV,H 35000	20	<10	<10
12/17/12	****	OCEAN	ENV,H 36000	NO	SPECIMEN	COLLECTED
12/17/12	1135	OCEAN	ENV,H 37000	134	<10	31
12/17/12	1140	OCEAN	ENV,H 38000	10	<10	31
12/17/12	1145	OCEAN	ENV,H 39000	20	10	10
12/17/12	1200	OCEAN	ENV,H 40000	10	<10	<10
12/17/12	1220	OCEAN	ENV,H 41000	52	<10	10
12/17/12	1230	OCEAN	ENV,H 42000	10	<10	<10
12/17/12	****	OCEAN	ENV,H 43000	NO	SPECIMEN	COLLECTED
12/17/12	****	OCEAN	ENV,H 44000	NO	SPECIMEN	COLLECTED
12/17/12	1300	OCEAN	LAB BLANK	<10	<10	<10

RUN ON: 01/02/13

**WATER QUALITY RESULTS
 FROM COLL DATE: 01/02/13
 THRU COLL DATE: 01/02/13
 LOCATION: ENVH, ENVH**

Date	Time	Source	Specimen ID	T. COLI MPN/100 ml	E. COLI MPN/100 ml	ENTERO MPN/100 ml
01/02/13	0900	OCEAN	ENV,H 1000	<10	<10	<10
01/02/13	0920	OCEAN	ENV,H 4000	<10	<10	<10
01/02/13	0935	OCEAN	ENV,H 7000	41	<10	<10
01/02/13	0944	OCEAN	ENV,H 10000	52	<10	10
01/02/13	0954	OCEAN	ENV,H 11000	<10	<10	<10
01/02/13	1005	OCEAN	ENV,H 13000	1,119	<10	10
01/02/13	1010	OCEAN	ENV,H 14000	355	31	20
01/02/13	1020	OCEAN	ENV,H 19000	96	<10	<10
01/02/13	1035	OCEAN	ENV,H 25000	31	10	<10
01/02/13	1055	OCEAN	ENV,H 32000	<10	<10	<10
01/02/13	1058	OCEAN	ENV,H 33000	20	<10	<10
01/02/13	1110	OCEAN	ENV,H 35000	<10	<10	10
01/02/13	****	OCEAN	ENV,H 36000	NO	SAMPLE	COLLECTED
01/02/13	1120	OCEAN	ENV,H 37000	<10	<10	20
01/02/13	1130	OCEAN	ENV,H 38000	10	<10	<10
01/02/13	1133	OCEAN	ENV,H 39000	10	<10	<10
01/02/13	1135	OCEAN	ENV,H 40000	10	<10	<10
01/02/13	1215	OCEAN	ENV,H 41000	10	<10	<10
01/02/13	1223	OCEAN	ENV,H 42000	20	20	10
01/02/13	****	OCEAN	ENV,H 43000	NO	SAMPLE	COLLECTED
01/02/13	****	OCEAN	ENV,H 44000	NO	SAMPLE	COLLECTED
01/02/13	1300	OCEAN	LAB BLANK	<10	<10	<10

RUN ON: 01/07/13

WATER QUALITY RESULTS
FROM COLL DATE: 01/07/13
THRU COLL DATE: 01/07/13
LOCATION: ENVH, ENVH

Date	Time	Source	Specimen ID	T. COLI MPN/100 ml	E. COLI MPN/100 ml	ENTERO MPN/100 ml
01/07/13	0845	OCEAN	ENV,H 1000	52	20	10
01/07/13	0905	OCEAN	ENV,H 4000	30	20	<10
01/07/13	0920	OCEAN	ENV,H 7000	<10	<10	<10
01/07/13	0932	OCEAN	ENV,H 10000	107	73	31
01/07/13	0944	OCEAN	ENV,H 11000	63	52	10
01/07/13	0957	OCEAN	ENV,H 13000	160	31	10
01/07/13	1007	OCEAN	ENV,H 14000	62	20	20
01/07/13	1018	OCEAN	ENV,H 19000	86	10	<10
01/07/13	1037	OCEAN	ENV,H 25000	31	10	42
01/07/13	1056	OCEAN	ENV,H 32000	10	<10	<10
01/07/13	1103	OCEAN	ENV,H 33000	10	<10	<10
01/07/13	1113	OCEAN	ENV,H 35000	31	<10	<10
01/07/13	****	OCEAN	ENV,H 36000	NO	SAMPLE	COLLECTED
01/07/13	1127	OCEAN	ENV,H 37000	122	63	288
01/07/13	1135	OCEAN	ENV,H 38000	<10	<10	<10
01/07/13	1147	OCEAN	ENV,H 39000	20	<10	<10
01/07/13	1200	OCEAN	ENV,H 40000	10	<10	<10
01/07/13	1218	OCEAN	ENV,H 41000	72	40	10
01/07/13	1227	OCEAN	ENV,H 42000	10	10	<10
01/07/13	1235	OCEAN	ENV,H 43000	10	10	<10
01/07/13	1245	OCEAN	ENV,H 44000	<10	<10	<10
01/07/13	1300	OCEAN	LAB BLANK	<10	<10	<10

RUN ON: 01/14/13

WATER QUALITY RESULTS
FROM COLL DATE: 01/14/13
THRU COLL DATE: 01/14/13
LOCATION: ENVH, ENVH

Date	Time	Source	Specimen ID	T. COLI MPN/100 ml	E. COLI MPN/100 ml	ENTERO MPN/100 ml
01/14/13	0845	OCEAN	ENV,H 1000	10	<10	<10
01/14/13	0905	OCEAN	ENV,H 4000	<10	<10	<10
01/14/13	0917	OCEAN	ENV,H 7000	<10	<10	<10
01/14/13	0930	OCEAN	ENV,H 10000	52	20	<10
01/14/13	0942	OCEAN	ENV,H 11000	<10	<10	<10
01/14/13	0955	OCEAN	ENV,H 13000	63	10	10
01/14/13	1005	OCEAN	ENV,H 14000	52	20	<10
01/14/13	1020	OCEAN	ENV,H 19000	<10	<10	<10
01/14/13	1035	OCEAN	ENV,H 25000	<10	<10	10
01/14/13	1057	OCEAN	ENV,H 32000	10	<10	<10
01/14/13	1104	OCEAN	ENV,H 33000	<10	<10	<10
01/14/13	1112	OCEAN	ENV,H 35000	10	<10	<10
01/14/13	****	OCEAN	ENV,H 36000	NO	SAMPLE	COLLECTED
01/14/13	1125	OCEAN	ENV,H 37000	<10	<10	<10
01/14/13	1132	OCEAN	ENV,H 38000	<10	<10	<10
01/14/13	1145	OCEAN	ENV,H 39000	10	<10	<10
01/14/13	1153	OCEAN	ENV,H 40000	<10	<10	<10
01/14/13	1212	OCEAN	ENV,H 41000	<10	<10	<10
01/14/13	1220	OCEAN	ENV,H 42000	<10	<10	<10
01/14/13	1228	OCEAN	ENV,H 43000	<10	<10	<10
01/14/13	1240	OCEAN	ENV,H 44000	20	<10	<10
01/14/13	1330	OCEAN	LAB BLANK	<10	<10	<10

RUN ON: 01/22/13

WATER QUALITY RESULTS
FROM COLL DATE: 01/22/13
THRU COLL DATE: 01/22/13
LOCATION: ENVH, ENVH

Date	Time	Source	Specimen ID	T. COLI MPN/100 ml	E. COLI MPN/100 ml	ENTERO MPN/100 ml
01/22/13	0840	OCEAN	ENV,H 1000	<10	<10	<10
01/22/13	0904	OCEAN	ENV,H 4000	<10	<10	<10
01/22/13	0915	OCEAN	ENV,H 7000	<10	<10	<10
01/22/13	0928	OCEAN	ENV,H 10000	<10	<10	<10
01/22/13	0939	OCEAN	ENV,H 11000	<10	<10	<10
01/22/13	1000	OCEAN	ENV,H 13000	20	10	<10
01/22/13	1010	OCEAN	ENV,H 14000	41	<10	<10
01/22/13	1022	OCEAN	ENV,H 19000	10	<10	20
01/22/13	1040	OCEAN	ENV,H 25000	52	31	20
01/22/13	1101	OCEAN	ENV,H 32000	10	<10	<10
01/22/13	1108	OCEAN	ENV,H 33000	<10	<10	<10
01/22/13	1120	OCEAN	ENV,H 35000	10	<10	10
01/22/13	****	OCEAN	ENV,H 36000	NO	SPECIMEN	COLLECTED
01/22/13	1135	OCEAN	ENV,H 37000	52	20	<10
01/22/13	1141	OCEAN	ENV,H 38000	<10	<10	<10
01/22/13	1135	OCEAN	ENV,H 39000	10	<10	<10
01/22/13	1204	OCEAN	ENV,H 40000	10	10	<10
01/22/13	1225	OCEAN	ENV,H 41000	74	74	31
01/22/13	1235	OCEAN	ENV,H 42000	31	20	<10
01/22/13	1245	OCEAN	ENV,H 43000	<10	<10	<10
01/22/13	1259	OCEAN	ENV,H 44000	<10	<10	<10
01/22/13	1300	OCEAN	LAB BLANK	<10	<10	<10

RUN ON: 01/28/13

WATER QUALITY RESULTS
FROM COLL DATE: 01/28/13
THRU COLL DATE: 01/28/13
LOCATION: ENVH, ENVH

Date	Time	Source	Specimen ID	T. COLI MPN/100 ml	E. COLI MPN/100 ml	ENTERO MPN/100 ml
01/28/13	0840	OCEAN	ENV,H 1000	52	31	<10
01/28/13	0903	OCEAN	ENV,H 4000	10	<10	<10
01/28/13	0917	OCEAN	ENV,H 7000	41	10	<10
01/28/13	0928	OCEAN	ENV,H 10000	52	<10	<10
01/28/13	0940	OCEAN	ENV,H 11000	41	31	10
01/28/13	0954	OCEAN	ENV,H 13000	20	10	<10
01/28/13	1000	OCEAN	ENV,H 14000	62	<10	<10
01/28/13	1013	OCEAN	ENV,H 19000	41	<10	<10
01/28/13	1029	OCEAN	ENV,H 25000	73	30	20
01/28/13	1051	OCEAN	ENV,H 32000	110	31	<10
01/28/13	1056	OCEAN	ENV,H 33000	31	10	<10
01/28/13	1106	OCEAN	ENV,H 35000	41	20	10
01/28/13	****	OCEAN	ENV,H 36000	NO	SPECIMEN	COLLECTED
01/28/13	1127	OCEAN	ENV,H 37000	110	52	42
01/28/13	1137	OCEAN	ENV,H 38000	30	30	<10
01/28/13	1145	OCEAN	ENV,H 39000	10	<10	<10
01/28/13	1155	OCEAN	ENV,H 40000	41	20	20
01/28/13	1215	OCEAN	ENV,H 41000	41	<10	20
01/28/13	1225	OCEAN	ENV,H 42000	85	10	<10
01/28/13	****	OCEAN	ENV,H 43000	NO	SPECIMEN	COLLECTED
01/28/13	****	OCEAN	ENV,H 44000	NO	SPECIMEN	COLLECTED
01/28/13	1300	OCEAN	LAB BLANK	<10	<10	<10

RUN ON: 02/04/13

WATER QUALITY RESULTS
FROM COLL DATE: 02/04/13
THRU COLL DATE: 02/04/13
LOCATION: ENVH, ENVH

Date	Time	Source	Specimen ID	T. COLI MPN/100 ml	E. COLI MPN/100 ml	ENTERO MPN/100 ml
02/04/13	0850	OCEAN	ENV,H 1000	31	20	<10
02/04/13	0910	OCEAN	ENV,H 4000	<10	<10	<10
02/04/13	0922	OCEAN	ENV,H 7000	<10	<10	<10
02/04/13	0935	OCEAN	ENV,H 10000	<10	<10	<10
02/04/13	0948	OCEAN	ENV,H 11000	10	10	<10
02/04/13	1004	OCEAN	ENV,H 13000	122	63	<10
02/04/13	1015	OCEAN	ENV,H 14000	30	30	<10
02/04/13	1029	OCEAN	ENV,H 19000	30	20	<10
02/04/13	1045	OCEAN	ENV,H 25000	41	20	10
02/04/13	1109	OCEAN	ENV,H 32000	10	10	20
02/04/13	1119	OCEAN	ENV,H 33000	31	<10	20
02/04/13	1135	OCEAN	ENV,H 35000	<10	<10	<10
02/04/13	****	OCEAN	ENV,H 36000	**NO	SPECIMEN	COLLECTED**
02/04/13	1148	OCEAN	ENV,H 37000	10	<10	<10
02/04/13	1156	OCEAN	ENV,H 38000	41	20	20
02/04/13	1210	OCEAN	ENV,H 39000	41	41	75
02/04/13	1220	OCEAN	ENV,H 40000	74	20	20
02/04/13	1245	OCEAN	ENV,H 41000	10	<10	10
02/04/13	1254	OCEAN	ENV,H 42000	<10	<10	<10
02/04/13	1300	OCEAN	ENV,H 43000	<10	<10	<10
02/04/13	1313	OCEAN	ENV,H 44000	<10	<10	<10
02/04/13	1345	OCEAN	LAB BLANK	<10	<10	<10

RUN ON: 02/11/13

**WATER QUALITY RESULTS
 FROM COLL DATE: 02/11/13
 THRU COLL DATE: 02/11/13
 LOCATION: ENVH, ENVH**

Date	Time	Source	Specimen ID	T. COLI MPN/100 ml	E. COLI MPN/100 ml	ENTERO MPN/100 ml
02/11/13	0840	OCEAN	ENV,H 1000	<10	<10	<10
02/11/13	0900	OCEAN	ENV,H 4000	<10	<10	<10
02/11/13	0910	OCEAN	ENV,H 7000	10	<10	<10
02/11/13	0925	OCEAN	ENV,H 10000	<10	<10	<10
02/11/13	0939	OCEAN	ENV,H 11000	<10	<10	<10
02/11/13	0952	OCEAN	ENV,H 13000	10	<10	<10
02/11/13	1004	OCEAN	ENV,H 14000	<10	<10	<10
02/11/13	1018	OCEAN	ENV,H 19000	30	10	<10
02/11/13	1035	OCEAN	ENV,H 25000	41	10	<10
02/11/13	1056	OCEAN	ENV,H 32000	<10	<10	<10
02/11/13	1104	OCEAN	ENV,H 33000	10	<10	<10
02/11/13	1115	OCEAN	ENV,H 35000	<10	<10	<10
02/11/13	****	OCEAN	ENV,H 36000	NO	SPECIMEN	COLLECTED
02/11/13	1130	OCEAN	ENV,H 37000	52	10	42
02/11/13	1138	OCEAN	ENV,H 38000	<10	<10	<10
02/11/13	1150	OCEAN	ENV,H 39000	10	<10	<10
02/11/13	1200	OCEAN	ENV,H 40000	<10	<10	<10
02/11/13	1219	OCEAN	ENV,H 41000	135	74	10
02/11/13	1228	OCEAN	ENV,H 42000	41	31	<10
02/11/13	1237	OCEAN	ENV,H 43000	<10	<10	10
02/11/13	1250	OCEAN	ENV,H 44000	<10	<10	<10
02/11/13	1400	OCEAN	LAB BLANK	<10	<10	<10

RUN ON: 02/19/13

**WATER QUALITY RESULTS
 FROM COLL DATE: 02/19/13
 THRU COLL DATE: 02/19/13
 LOCATION: ENVH, ENVH**

Date	Time	Source	Specimen ID	T. COLI MPN/100 ml	E. COLI MPN/100 ml	ENTERO MPN/100 ml
02/19/13	0845	OCEAN	ENV,H 1000	<10	<10	<10
02/19/13	0905	OCEAN	ENV,H 4000	<10	<10	<10
02/19/13	0919	OCEAN	ENV,H 7000	120	<10	<10
02/19/13	0933	OCEAN	ENV,H 10000	201	<10	<10
02/19/13	0944	OCEAN	ENV,H 11000	74	<10	<10
02/19/13	0959	OCEAN	ENV,H 13000	10	<10	10
02/19/13	1009	OCEAN	ENV,H 14000	20	20	<10
02/19/13	1020	OCEAN	ENV,H 19000	31	<10	<10
02/19/13	1037	OCEAN	ENV,H 25000	<10	<10	<10
02/19/13	1059	OCEAN	ENV,H 32000	20	10	<10
02/19/13	1100	OCEAN	ENV,H 33000	10	10	<10
02/19/13	1117	OCEAN	ENV,H 35000	<10	<10	<10
02/19/13	****	OCEAN	ENV,H 36000	NO	SPECIMEN	COLLECTED
02/19/13	1128	OCEAN	ENV,H 37000	20	<10	10
02/19/13	1138	OCEAN	ENV,H 38000	30	20	<10
02/19/13	1149	OCEAN	ENV,H 39000	31	10	<10
02/19/13	1200	OCEAN	ENV,H 40000	<10	<10	10
02/19/13	1217	OCEAN	ENV,H 41000	20	10	<10
02/19/13	1227	OCEAN	ENV,H 42000	<10	<10	<10
02/19/13	1235	OCEAN	ENV,H 43000	10	10	<10
02/19/13	1245	OCEAN	ENV,H 44000	<10	<10	<10
02/19/13	1300	OCEAN	LAB BLANK	<10	<10	<10

RUN ON: 02/25/13

WATER QUALITY RESULTS
FROM COLL DATE: 02/25/13
THRU COLL DATE: 02/25/13
LOCATION: ENVH, ENVH

Date	Time	Source	Specimen ID	T. COLI MPN/100 ml	E. COLI MPN/100 ml	ENTERO MPN/100 ml
02/25/13	0848	OCEAN	ENV,H 1000	84	84	20
02/25/13	0908	OCEAN	ENV,H 4000	20	20	20
02/25/13	0922	OCEAN	ENV,H 7000	41	<10	10
02/25/13	0935	OCEAN	ENV,H 10000	<10	<10	<10
02/25/13	0947	OCEAN	ENV,H 11000	<10	<10	<10
02/25/13	0959	OCEAN	ENV,H 13000	86	<10	<10
02/25/13	1010	OCEAN	ENV,H 14000	30	10	<10
02/25/13	1020	OCEAN	ENV,H 19000	<10	<10	<10
02/25/13	1037	OCEAN	ENV,H 25000	<10	<10	<10
02/25/13	1103	OCEAN	ENV,H 32000	31	<10	10
02/25/13	1110	OCEAN	ENV,H 33000	41	10	<10
02/25/13	1122	OCEAN	ENV,H 35000	<10	<10	<10
02/25/13	1134	OCEAN	ENV,H 36000	20	10	<10
02/25/13	1139	OCEAN	ENV,H 37000	161	10	<10
02/25/13	1147	OCEAN	ENV,H 38000	<10	<10	<10
02/25/13	1155	OCEAN	ENV,H 39000	<10	<10	10
02/25/13	1202	OCEAN	ENV,H 40000	<10	<10	<10
02/25/13	1222	OCEAN	ENV,H 41000	<10	<10	<10
02/25/13	1230	OCEAN	ENV,H 42000	<10	<10	<10
02/25/13	1237	OCEAN	ENV,H 43000	<10	<10	10
02/25/13	1250	OCEAN	ENV,H 44000	<10	<10	<10
02/25/13	1300	OCEAN	LAB BLANK	<10	<10	<10

RUN ON: 03/04/13

WATER QUALITY RESULTS
FROM COLL DATE: 03/04/13
THRU COLL DATE: 03/04/13
LOCATION: ENVH, ENVH

Date	Time	Source	Specimen ID	T. COLI MPN/100 ml	E. COLI MPN/100 ml	ENTERO MPN/100 ml
03/04/13	0845	OCEAN	ENV,H 1000	299	299	<10
03/04/13	0905	OCEAN	ENV,H 4000	<10	<10	<10
03/04/13	0920	OCEAN	ENV,H 7000	10	<10	<10
03/04/13	0932	OCEAN	ENV,H 10000	20	<10	<10
03/04/13	0945	OCEAN	ENV,H 11000	<10	<10	<10
03/04/13	0957	OCEAN	ENV,H 13000	20	<10	10
03/04/13	1009	OCEAN	ENV,H 14000	<10	<10	10
03/04/13	1017	OCEAN	ENV,H 19000	10	10	<10
03/04/13	1035	OCEAN	ENV,H 25000	20	10	<10
03/04/13	1059	OCEAN	ENV,H 32000	<10	<10	<10
03/04/13	1107	OCEAN	ENV,H 33000	10	<10	<10
03/04/13	1119	OCEAN	ENV,H 35000	<10	<10	10
03/04/13	1132	OCEAN	ENV,H 36000	<10	<10	<10
03/04/13	1137	OCEAN	ENV,H 37000	<10	<10	<10
03/04/13	1145	OCEAN	ENV,H 38000	<10	<10	10
03/04/13	1155	OCEAN	ENV,H 39000	<10	<10	<10
03/04/13	1205	OCEAN	ENV,H 40000	<10	<10	<10
03/04/13	1227	OCEAN	ENV,H 41000	<10	<10	<10
03/04/13	1237	OCEAN	ENV,H 42000	20	<10	<10
03/04/13	1245	OCEAN	ENV,H 43000	41	20	<10
03/04/13	1255	OCEAN	ENV,H 44000	<10	<10	<10
03/04/13	1430	OCEAN	LAB BLANK	<10	<10	<10

RUN ON: 03/18/13

WATER QUALITY RESULTS
FROM COLL DATE: 03/18/13
THRU COLL DATE: 03/18/13
LOCATION: ENVH, ENVH

Date	Time	Source	Specimen ID	T. COLI MPN/100 ml	E. COLI MPN/100 ml	ENTERO MPN/100 ml
03/18/13	0845	OCEAN	ENV,H 1000	63	41	<10
03/18/13	0918	OCEAN	ENV,H 4000	10	10	<10
03/18/13	0929	OCEAN	ENV,H 7000	<10	<10	<10
03/18/13	0941	OCEAN	ENV,H 10000	<10	<10	<10
03/18/13	1000	OCEAN	ENV,H 11000	<10	<10	<10
03/18/13	1009	OCEAN	ENV,H 13000	20	<10	<10
03/18/13	1045	OCEAN	ENV,H 14000	<10	<10	<10
03/18/13	1037	OCEAN	ENV,H 19000	10	<10	<10
03/18/13	1058	OCEAN	ENV,H 25000	<10	<10	<10
03/18/13	1109	OCEAN	ENV,H 32000	<10	<10	<10
03/18/13	1117	OCEAN	ENV,H 33000	10	<10	<10
03/18/13	1129	OCEAN	ENV,H 35000	10	10	<10
03/18/13	1140	OCEAN	ENV,H 36000	31	10	<10
03/18/13	1145	OCEAN	ENV,H 37000	10	<10	<10
03/18/13	1150	OCEAN	ENV,H 38000	<10	<10	<10
03/18/13	1155	OCEAN	ENV,H 39000	<10	<10	<10
03/18/13	1157	OCEAN	ENV,H 40000	<10	<10	<10
03/18/13	1219	OCEAN	ENV,H 41000	10	10	<10
03/18/13	1229	OCEAN	ENV,H 42000	148	63	31
03/18/13	1233	OCEAN	ENV,H 43000	10	<10	<10
03/18/13	1239	OCEAN	ENV,H 44000	10	<10	<10
03/18/13	1300	OCEAN	LAB BLANK	<10	<10	<10

RUN ON: 03/25/13

**WATER QUALITY RESULTS
 FROM COLL DATE: 03/25/13
 THRU COLL DATE: 03/25/13
 LOCATION: ENVH, ENVH**

Date	Time	Source	Specimen ID	T. COLI MPN/100 ml	E. COLI MPN/100 ml	ENTERO MPN/100 ml
03/25/13	0905	OCEAN	ENV,H 1000	20	10	10
03-25-13	0930	OCEAN	ENV,H 4000	<10	<10	<10
03-25-13	0950	OCEAN	ENV,H 7000	<10	<10	<10
03-25-13	0958	OCEAN	ENV,H 10000	<10	<10	<10
03-25-13	1005	OCEAN	ENV,H 11000	10	10	<10
03-25-13	1022	OCEAN	ENV,H 13000	10	<10	<10
03-25-13	1033	OCEAN	ENV,H 14000	<10	<10	<10
03-25-13	1040	OCEAN	ENV,H 19000	<10	<10	10
03-25-13	1059	OCEAN	ENV,H 25000	<10	<10	<10
03-25-13	1115	OCEAN	ENV,H 32000	<10	<10	<10
03-25-13	1130	OCEAN	ENV,H 33000	<10	<10	<10
03-25-13	1137	OCEAN	ENV,H 35000	20	<10	<10
03-25-13	1200	OCEAN	ENV,H 36000	323	288	87
03-25-13	1205	OCEAN	ENV,H 37000	31	<10	10
03-25-13	1220	OCEAN	ENV,H 38000	<10	<10	<10
03-25-13	1227	OCEAN	ENV,H 39000	<10	<10	<10
03-25-13	1245	OCEAN	ENV,H 40000	10	<10	<10
03-25-13	1315	OCEAN	ENV,H 41000	10	10	<10
03-25-13	1325	OCEAN	ENV,H 42000	<10	<10	<10
03-25-13	1340	OCEAN	ENV,H 43000	20	<10	<10
03-25-13	1345	OCEAN	ENV,H 44000	10	<10	<10
03-25-13	1330	OCEAN	LAB BLANK	<10	<10	<10

