



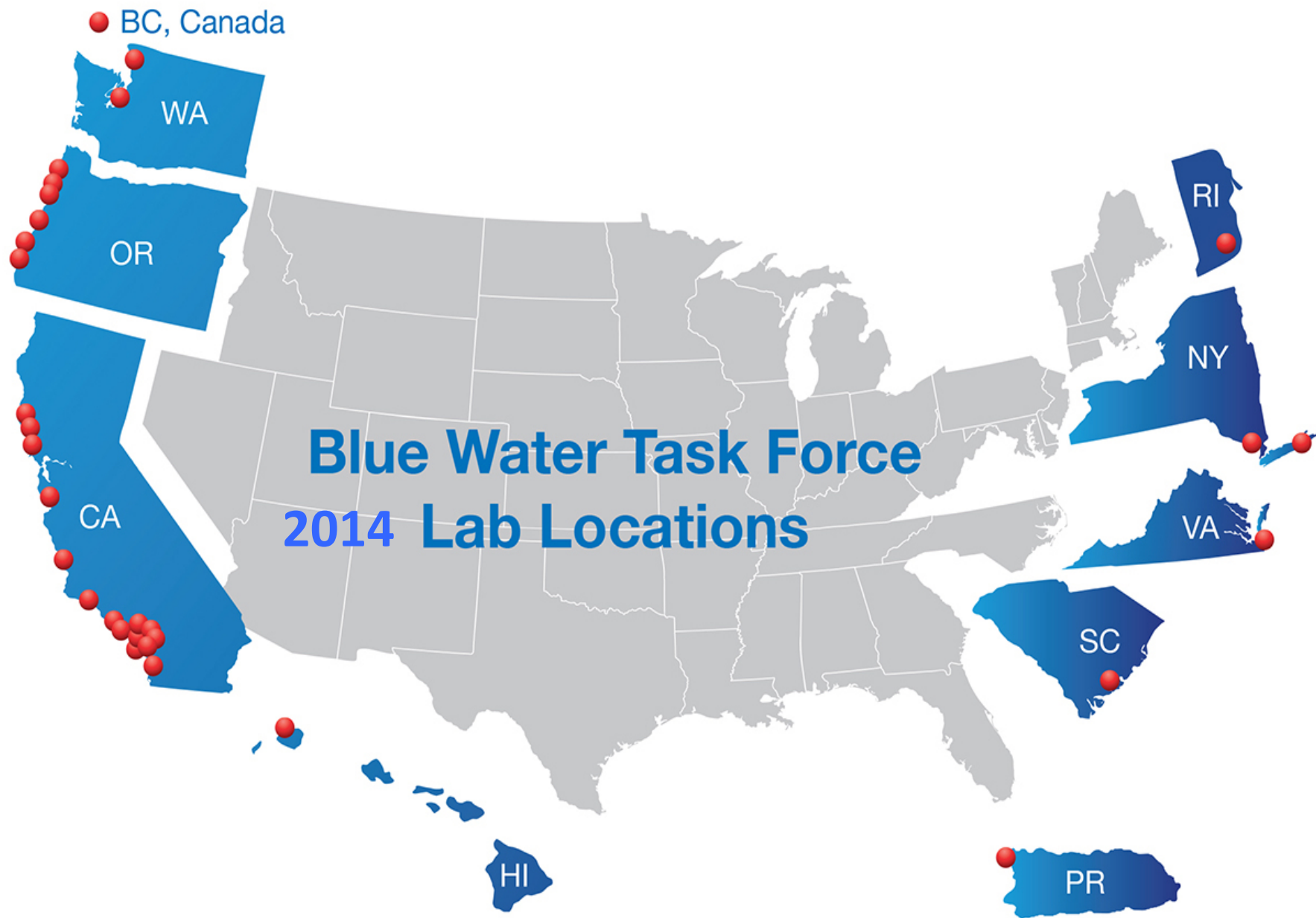
The Surfrider Foundation's volunteer-run, water quality monitoring, education and advocacy program.

Nuts & Bolts

- Test ocean & bay beaches and freshwater sources
 - Creek & river mouths
 - Stormwater discharge
 - Upper watershed sites

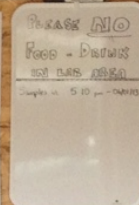
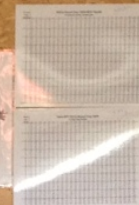
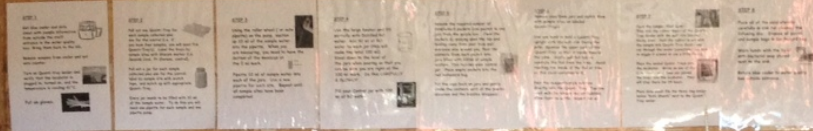
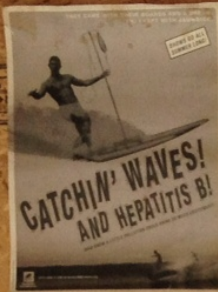


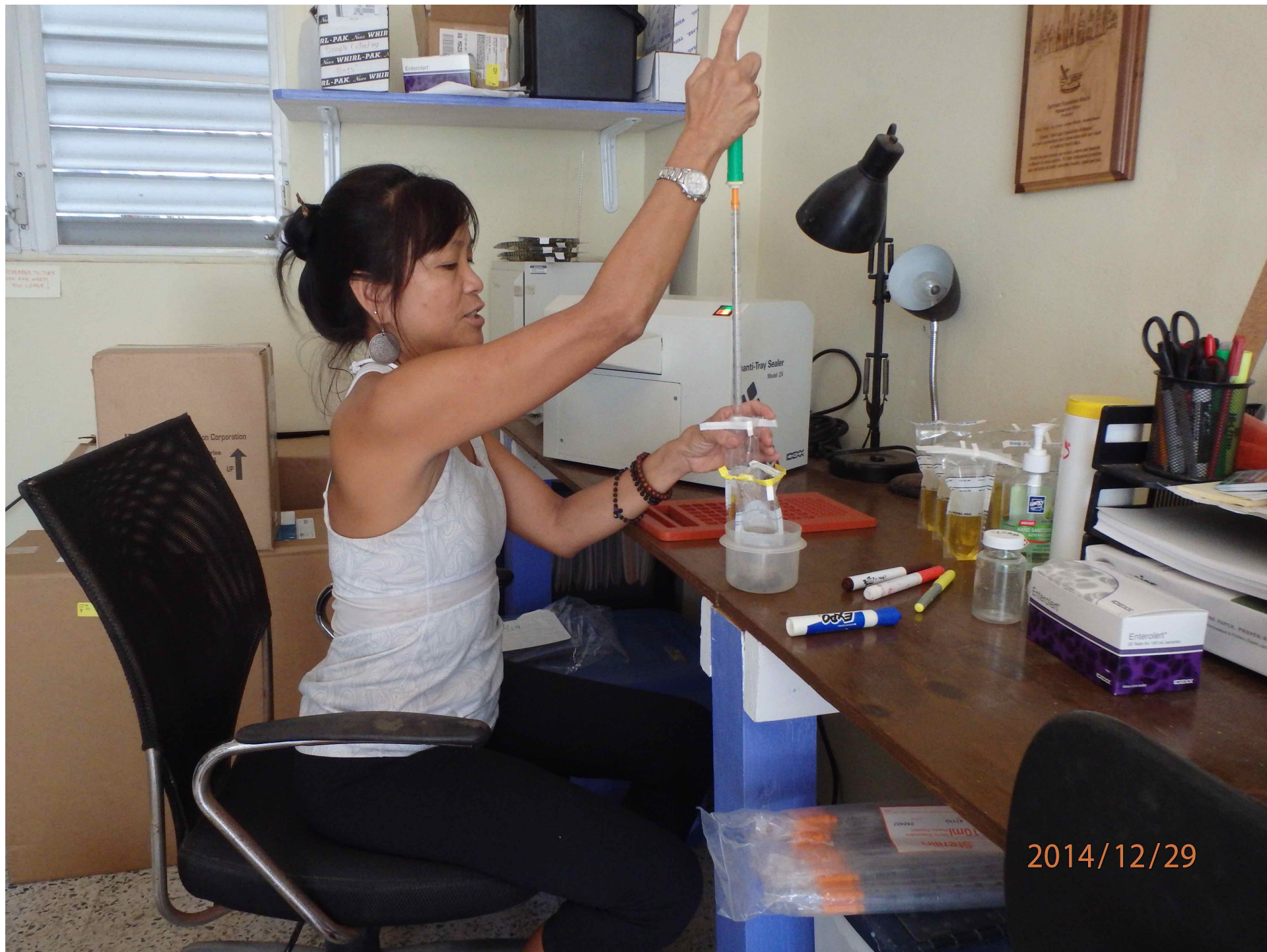
- Enterococcus Bacteria – an indicator of fecal pollution, used by govt. run beach programs to issue swim advisories
- IDEXX Enterolert/Quantitray Sealer method



Models of Operation

- Chapter maintained labs often using borrowed space from local partners
 - Other local env groups, aquariums, universities
- Collect samples for partner organizations & help communicate data
 - State & local beach programs, & other watershed groups
- School & youth programs

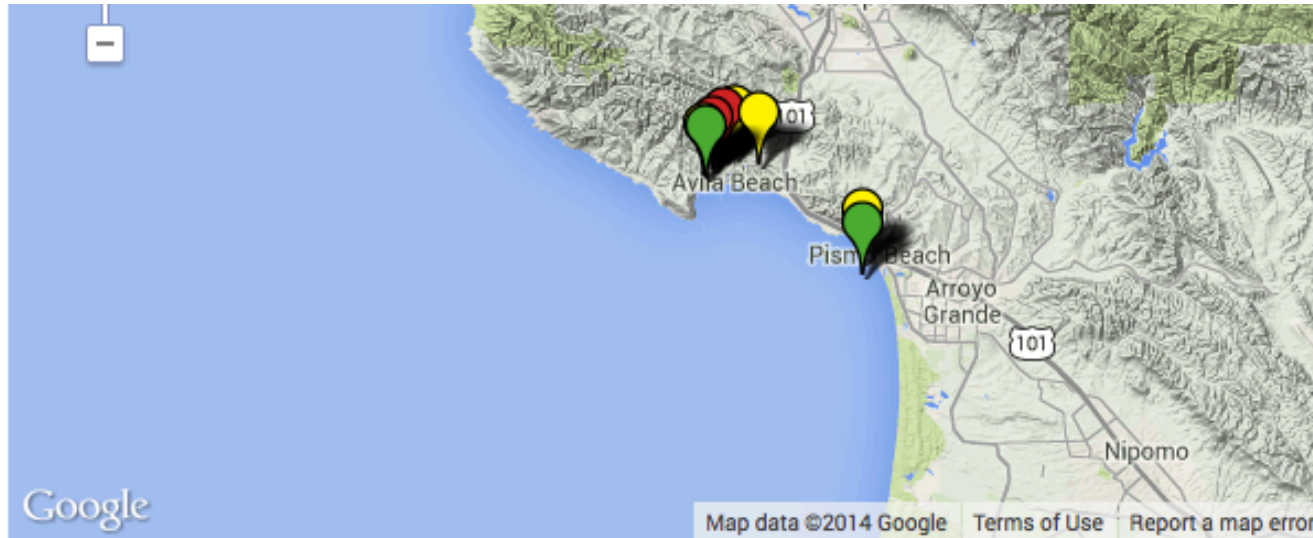




2014/12/29



Easy to Share Data from BWTF website



SHARE

LOCAL INFORMATION



Sample Site	Test Date	Enterococcus	Indication of
Avila Pier	09/04/14	10	Low Bacteria
San Luis Creek Mouth	09/04/14	86	Medium Bacteria
San Luis Obispo Creek Estuary	09/04/14	295	High Bacteria
San Luis Obispo Creek, Ontario Road	09/04/14	63	Medium Bacteria
San Luis Obispo Creek, San Luis Bay Drive	09/04/14	75	Medium Bacteria
The Marre Weir	09/04/14	836	High Bacteria
Morro Bay, The Pit	08/08/14	30	Low Bacteria

LOCAL INFORMATION FOR SAN LUIS OBISPO, CA

The San Luis Obispo (SLO) Chapter started their small water testing program in 2012. At the time, they had two volunteers sampling two sites on a weekly basis. Since then, their BWTF Coordinator has built a team of dedicated water samplers and testers that are out monitoring eleven sites on a weekly basis. Their lab is set up at the [Central Coast Aquarium](#) in Avila Beach, conveniently located for most of their sampling sites at the mouth of the San Luis Obispo Creek.

The Chapter is monitoring popular ocean beaches where there are known water quality concerns and within the freshwater creeks that discharge onto these beaches. They've also set their sampling schedule to compliment the [SLO County Health Department's beach monitoring program](#). The County samples on Mondays, and the Chapter tests every Thursday.

The SLO BWTF team has worked with the County to assure that their lab is up to adequate quality control specifications, and they have developed an illustrated [training manual](#) that can be downloaded [here](#). The Chapter posts their data and monthly program updates on the [SLO Chapter's website](#).





Blue Water Task Force Alert! Check out the water quality results from Eastern Long Island,...

Surfrider Foundation's volunteer water quality monitoring program

SURFRIDER.ORG

Like · Comment · Share



Blue Water Task Force - Santa Cruz

May 26 at 9:25am · 🌐

WEEKLY WATER QUALITY REPORT: SANTA CRUZ COUNTY

HIGH LEVELS

None! Clean water this Memorial Day Weekend 😊... [See More](#)

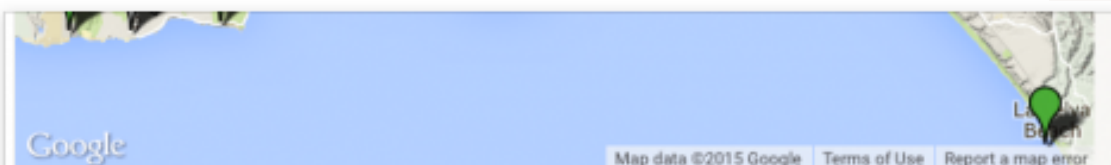
Latest Local Water Quality



Bacteria level for **Steamer Lane/It's Beach:**

Low Bacteria

Testing provided by [Surfrider's Santa Cruz Chapter](#) on 2014-09-07



Sample Site	Test Date	Entero	Indication of
26th Ave	05/24/15	0	● Low Bacteria
Black's Beach	05/24/15	10	● Low Bacteria
Capitola Jetty	05/24/15	0	● Low Bacteria
Cowell's	05/24/15	41	● Medium Bacteria
Main Beach	05/24/15	10	● Low Bacteria
Natural Bridges	05/24/15	0	● Low Bacteria
New Brighton Beach	05/24/15	0	● Low Bacteria
Platforms	05/24/15	0	● Low Bacteria

SANTA CRUZ WAVES

[HOME](#)[GALLERIES](#)[VIDEOS](#)[LOCAL LOOP](#)[SURF REPORTS & CAMS](#)[SHOP](#)[EVENTS](#)

Aptos Academy of Performing Arts



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LATEST LOCAL WATER QUALITY



Bacteria level for **Steamer Lane/It's Beach:**

Low Bacteria

Testing provided by [Surfrider's Santa Cruz Chapter](#) on 2015-05-17

- [Detailed info about this site \(including testing history\)](#)
- [Results for all beaches tested by this chapter](#)

LATEST LOCAL WATER QUALITY

SURF REPORTS

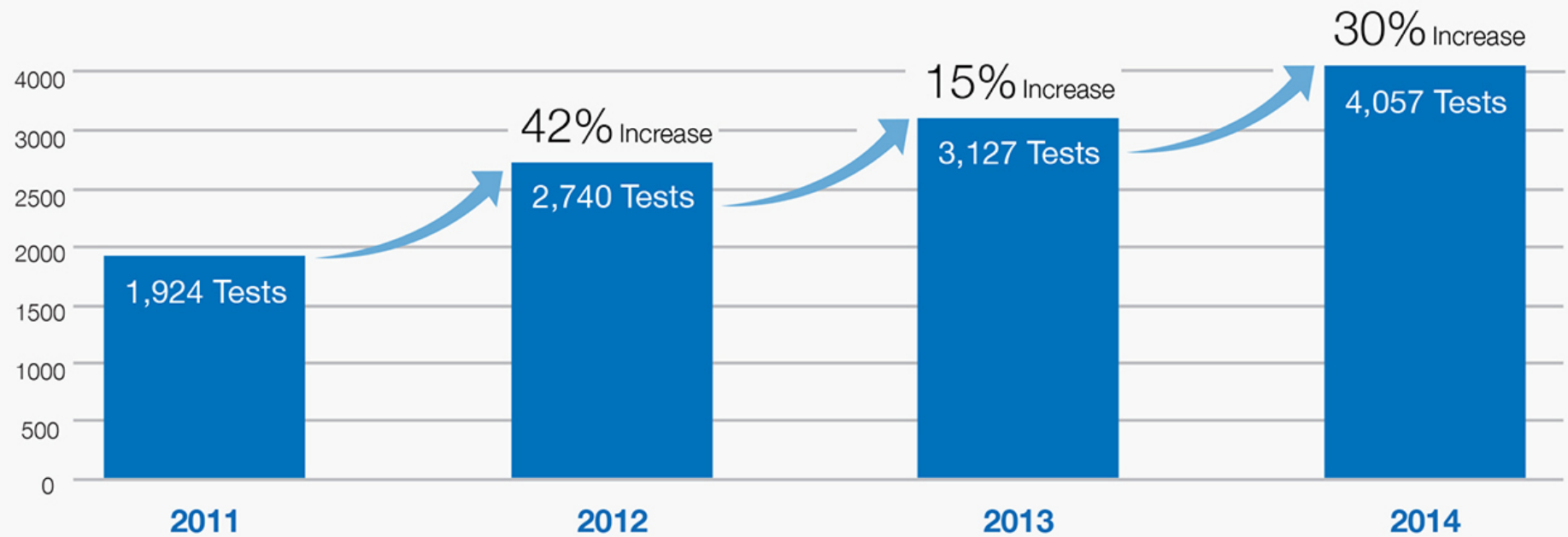


**NOW OPEN ALL NEW
DOWNTOWN LOCATION**
1415 PACIFIC AVENUE • SANTA CRUZ, CA
PHONE/DELIVERY: 831.600.7859

*Beer and Bacon Thursdays
and Free Bacon on Any
"Hey bud"*

SAN

Growth in Annual Testing: 2011 - 2014



Program Growth

- New labs: 4 in 2014, 5 in 2015
- Existing labs expanding their programs
 - Adding more beaches & freshwater sources
 - Testing more frequently
 - Investigating sources of pollution/ Watershed studies
 - 89% of 2014 increase in test results: Santa Cruz, SLO, Kaua'i, Rincon, ELI & San Mateo County

Santa Cruz: Clean Up Cowell's Beach

- BWTF program started in 1993
- Cowell Beach : Beach Bummers List for 5 years
- Watershed Study up San Lorenzo River
- Cowell Beach Working Group



Rincon, PR: Preguntaguas

- Collaboration with UPR & CARICOOS
- Increase public health monitoring at NW Puerto Rico beaches
- Added 7 new sites (22 total) & increased sampling to 2x/week in core area
- Impact of weather & currents on bacterial contamination



Kaua'i BWTF: Post Signs



Table 2.		Surfrider Samples		2014
Surfrider Site Names	Count	Geomean	%>104	
PK's	11	2.6	0.0%	
Waiohai	10	2.7	0.0%	
Kealia	10	4.2	0.0%	
Salt Pond	10	4.9	10.0%	
Kaha Lani	7	5.7	0.0%	
Kapa'a Beach Park	11	5.8	0.0%	
Anahola Bay	9	6.5	0.0%	
Pinetrees	11	8.1	9.1%	
Rock Quarry	10	8.2	10.0%	
Kalihiwai	11	9.3	9.1%	
Molooa	6	16.7	33.3%	
Waikoko	7	22.1	14.3%	
Middles	8	38.6	12.5%	
Kalapaki Bay	10	42.4	20.0%	
The Bowl	7	48.7	14.3%	
Wainiha Stream	9	124.6	33.3%	
Waimea River Surf	11	149.7	54.5%	
Nawiliwili Stream	11	327.5	90.9%	
Pakalas Surf	11	477.2	100.0%	
Gillin's Beach	17	706.6	94.1%	
Hanamaulu Stream	11	785.8	100.0%	
Niumalu Beach Park	11	1,257.30	100.0%	
Waikomo Stream	11	1,521.50	100.0%	
Waiopili Stream - Mahaulepui	19	9,100.70	100.0%	
Geometric mean of samples should be <35				
Single day sample should be <104 in surf				

Increased awareness & credibility of BWTF data

- OR BWTF contributing to TMDL data sets & management planning
- WA BWTF & State & County Beach Programs
- Data posted on other websites



Blue Water Task Force



- Activating volunteers
- Educating students
- Grooming future leaders
- Building community awareness of water quality issues
- Building chapter credibility & legitimacy
- Forming partnerships
- Identifying sources of pollution
- Advocating for solutions

What does a chapter need to start a BWTF program?

- Purpose or Program Goal
- Approx \$7,000.00, \$10-12/sample
- Lab space
- Volunteers to cover sampling & labwork
- Data plan

Future Directions, Goals & Needs

- Increased data sharing through on-line platforms
- Better engagement of student & adult volunteers in other Chapter events & campaigns
- More face-time: Staff-Chapter, or Chapter to Chapter mentorships
- Develop on-line & print resources
- BWTF meets RAP

<http://www.surfrider.org/blue-water-task-force>

[Intro](#)

[Resources](#)

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[Frequently Asked Questions](#)

[Planning a Water Testing Program](#)

[BWTF 2014 Annual Report](#)

[BWTF 2013 Annual Report](#)

[BWTF 2012 Annual Report](#)

[BWTF 2011 Annual Report](#)

[Water Sampling Instructions](#) & [Sampling Data Sheet](#)

[BWTF Lab Instructions](#) for IDEXX Quant-tray/Enterolert method

[MPN Table](#) for the Quantitray Sealer

How-to videos posted by IDEXX for using the Quantitray Method with [Enterolert](#) or [Colilert](#)

[Video demonstration](#) of water sample preparation in the lab

[Ocean Illness Form](#). Use this web-based tool to collect reports of people getting sick from swimming or



MAY 19 2015

Santa Cruz BWTF, 20+ Years of Service!

[BLUE WATER TASK FORCE](#) [PARTNERSHIPS](#) [SOLUTIONS](#) [SOURCE IDENTIFICATION](#)
[WATER QUALITY](#)



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The Santa Cruz Chapter was one of the first Surfrider chapters to establish a BWTF water testing program back in 1993. Over the past 20+ years, the chapter has been building a historical record of water quality information for local beaches and driving campaigns to solve beach pollution problems.

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MAY 19 2015

Marin County BWTF Fostering Student Scientists & Advocates

[BLUE WATER TASK FORCE](#) [YOUTH](#) [WATER QUALITY](#)



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The Marin County Chapter uses its BWTF water testing program to educate local high school students on the science and methodology of water quality monitoring, local water pollution issues, and Surfrider's mission to protect and enjoy our ocean, waves and beaches.

[Read Full Post](#) ➔