

City of Newport Beach

Water Quality/Coastal Tidelands Committee Minutes

Date: June 13, 2013

Time: 3:00 p.m.

Location: Newport Coast Conference Room, 2nd Floor, Bay E

1. Welcome/Self Introductions

Committee Members present:

Chairwoman/Council Member Nancy Gardner

Lou Denger

Carl Cassidy

Guests present:

Jack and Nancy Skinner, SPON

Jim Mosher, resident

George Drayton, resident

Monica Mazur, resident

Jack Keating, NBC

Amanda Griesbach, Heal the Bay

Staff present:

John Kappeler, Water Quality Manager

Bob Stein, Assistant City Engineer

Dave Kiff, City Manager

Kyle Rowen, Deputy City Attorney

Shari Rooks, Public Works Specialist

Becky Rodstein, Public Works Management Assistant

The agenda for the Water Quality/Coastal Tidelands Committee was posted at 10:43 am on June 5, 2013, in the binder located in the entrance of the Council Chambers at 100 Civic Center Drive.

2. Approval of Previous Meeting's Minutes

The minutes were not approved because there was an absence of quorum.

3. Old Business

A. Bay and Ocean Bacteriological Test Results

Monica Mazur reviewed recent water quality test results within Newport Bay and along the ocean shoreline.

B. **Bob Stein** gave the Committee an update on priorities focusing on the current year's Bight '13 program which will provide cutting-edge Marine Surveys.

- Work plan will include 8 places in Newport that will track pesticides of emerging concerns.
- It will test bioaccumulation in local animals and toxicity of the area.
- This program will catch anchovies in a net to gather data.
- **Jack Skinner** asked if Bob has a map that shows the bird studies pertaining to Newport Bay. Bob said he had received a small map which contains four in the harbor and four in the upper bay. Jack suggested we see what comes from those studies reviewing the toxic TMDL before participating in an additional expensive study.

ACTION: Bob is going to raise these questions with the appropriate contact to find out more information before moving forward with participating in the project.

C. **Kyle Rowen** gave an update on the question asked at a previous meeting: if the City can require gated communities to do street sweeping and clean catch basins. Chapter 14 of the municipal code allows the City to require them to get a permit, and allows the City to pursue action if they do not comply. The City would prefer to start with a cooperative approach before moving to noticing. **Nancy Gardner** asked if this should go to Council. **Dave Kiff** said he would prefer that it did and he will get it on an upcoming agenda. Then it was asked how much a permit costs. The master fee schedule will dictate the cost. Kyle also suggested that the City street sweeper could be contracted, as they would already be in the City.

ACTION: John/Dave to add this item to a future City Council meeting agenda.

4. New Business

Amanda Griesbach gave a presentation of the **Heal the Bay "Report Card."** (See attached presentation)

- Twenty-third annual beach report card that grades beaches solely on bacterial data. This data is collected weekly and the methodology has changed for the fourth time.
- The grading system is an A-F system with A being the best out of 100 points. More weight is on single sample standards (71 points) and less on geometric mean (29 points.)
- The test occurred from April 1, 2012 – March 31, 2013.
- California did well during the summer dry weather. Southern California received 93% A's during summer dry weather. Mostly consistent with past grades.
- California Honor Roll, with excellent water quality, includes eight Orange County locations.
- **Dave Kiff** asked for clarification from the differences between Pochi Beach and Doheny. Pochi Beach has been improving. Pochi is below Doheny and starts at San Clemente. He also asked why piers are worse areas. Amanda said there are lots of birds because of tourists as well as concentrated marine debris.
- Orange County is on par for summer dry weather. Winter dry weather is just below state average. **Nancy Gardner** asked if there was a difference between more populated beaches, if they got better grades. Yes, the problems are smaller and they are open beaches which usually get good grades.
- Orange County sewer spills. Thirteen in Orange County with seven in Newport Bay. **Bob Stein** asked if that was a high number. Amanda was unsure of the answer. Most spills were identified as small or private by John Kappeler. Amanda said she would get more information. **Nancy Gardner** asked if we get calls when something happens. John Kappeler confirmed that we get calls usually as soon as it happens.
- Monitoring locations during the time periods: summer dry, winter dry and wet weather. Newport Beach did excellent with the Dunes area having small issues – we used to have a much larger issues, but Newport Beach did great.
- Beach monitoring funding will be cut from EPA but we'll receive most funding for the next years monitoring. State Budget Conference Committee, approved state water funds for this program.

- There is a new app where you locate the beach you are at and it will give you updates and grades on the beach.
- **Jack Skinner** asked if Heal the Bay would consolidate current standards. Amanda said that Heal the Bay believes it would weaken the strength of the standards.
- **Nancy Skinner** asked about bacterioides and its affects. Amanda said it was fecal indicator organism that lives in the guts of cold blooded animals. There is no historical data on it at this time and they are waiting on the EPA to update standards.

John Kappeler gave a presentation on the **OCTA Tier II Grant Program**. (See attached presentation.)

- Will be released this summer.
- Two programs: Tier I and Tier II through Measure M allocated over \$300 Million over 20 years to improve water quality.
- Tier I is a competitive grant program for smaller projects, and the Tier II is for larger scale projects, such as treatment wetlands, retention basins, bioswales. Up to \$5 million per project.
- There is a grant match requirement - 50% from OCTA and 50% from the City.
- Newport applied for 4 CDS units and 6 marina trash skimmers (Tier 1), and all grants were awarded.
- OCTA is releasing \$25 million this summer (Tier 2) with a 50% matching requirement.
- Newport has an opportunity in August to come up with projects and ask for funding. One is to dredge the Semeniuk slough. The second is Cameo Shores for infiltration galleries. The third is the Bay View Heights Restoration project. The storm drain at the end of Mesa drive drains through two private properties into County area to Fish and Game property. The grant would improve the storm drain system and create a natural treatment system.
- **Nancy Gardner** asked if there are any other areas to do a natural treatment system. Bob Stein said Bay Canyon, east of MacArthur and one west of Jamboree are being considered.
- **Nancy Gardner** asked if Santa Ana is applying for the Delhi channel project. Bob Stein said we already have \$4 million for that project through a grant. They are looking to create a single trash collections facility on the Channel in the Irvine/Mesa area to remove trash and sediments. **Jack Skinner** asked what happened with the diversion. Bob said this would be part of the project. It will be treated and given to the golf course.
- **John Kappeler** has secured millions of dollars in grants for water quality projects.

5. Public Comments on Non-Agenda Items

Dave Kiff came to speak on the Land Pass Fee, \$4.32 to access Elkhorn Slough and Upper Newport Bay. It is unclear how they would collect fees, as there are many access points to Upper Newport Bay. Elkhorn Slough only has one access point. The California Fish and Wildlife intend to charge anyone for any use. They are trying to charge City property, and if so, the City will take steps to stop it or get funds to help upkeep City property, i.e. Backbay Drive. Nancy Gardner asked if this applies to the horses. It does if the horses are in the reserve, not the preserve. Who would collect the fees? It is unclear but we're just exploring what is being proposed. Dave is considering working with the Newport Bay Conservancy to write a letter to our legislators and will work on adding this item to a future City Council Agenda.

George Drayton asked about the project next to Woody's Warf. John Kappeler said it is a mixed use project with condos and commercial spaces.

6. Topics for Future Agendas

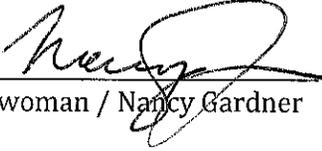
- (a) Bacteriological Dry-Weather Runoff Gutter Study (Phase III)
- (b) Prop 84 ASBS Grant Program
- (c) Big Canyon Project
- (d) Rhine Channel Project Wrap Up
- (e) Senate Bill - SB 1447

Set Next Meeting Date

The next meeting date was set for July 11, 2013, at 3 PM in the **Newport Coast Conference Room, 2nd Floor, Bay E.**

7. Adjournment

The meeting was adjourned at 4:26 pm.



Chairwoman / Nancy Gardner

Health Care Agency / Environmental Health Newport Bay Bacteriological Monitoring Program
Total Coliform (TC), Fecal Coliform, Enterococcus (ENT) Colony Forming Units / 100 ml Sample

STATION	Location Description		2/13/13	2/20/13	2/25/13	3/6/13	3/11/13	3/18/13	3/25/13	4/3/13	4/8/13	4/17/13	4/22/13	4/29/13	5/6/13	5/13/13	5/20/13	5/28/13	6/3/13	6/10/13	
NEWPORT BAY (Lower Bay)							RAIN								RAIN						
BNB09	43rd Street Beach	TC	30	50	40	<10	70	20	70	>3800	30	>80	100	30	>40000	20	<10	>30	>70	40	
		FC	<10	<10	<10	<10	10	10	<10	<10	300	10	<10	60	10	11000	20	<10	>20	50	<10
		ENT	2	10	4	<2	<2	<2	218	20	8	10	98	10	400	4	<2	20	6	6	
BNB10	38th Street Beach	TC	10	50	80	60	30	<10	10	30	30	20	20	270	11000	60	20	>190	>50	<10	
		FC	<10	<10	30	<10	<10	<10	<10	<10	<10	<10	<10	<10	10	1870	<10	<10	10	<10	
		ENT	8	2	44	38	6	2	2	2	6	<2	2	2	<2	140	<2	10	20	<2	
BNB11	33rd Street Channel	TC	20	28000	50	30	20	80	100	30	10	40	30	95	1620	70	30	30	>10	<10	
		FC	10	840	<10	<10	<10	30	<10	<10	<10	<10	<10	<10	<10	250	<10	<10	10	<10	
		ENT	8	350	6	4	<2	20	8	<2	4	<2	4	<2	50	36	170	6	<2	<2	
BNB32	Lido Yacht Club Beach	TC	<10	20	40	10	50	10	<10	<10	>50	<10	<10	80	30	20	<10	<10	<10	100	
		FC	<10	<10	10	<10	<10	20	<10	<10	<10	<10	<10	<10	30	<10	<10	10	<10	160	
		ENT	6	2	100	<2	<2	2	<2	4	<2	<2	<2	<2	20	<2	2	4	4	2	
BNB07	Via Genoa Beach	TC	10	250	<10	<10	20	70	<10	10	>70	<10	30	10	40	<10	<10	30	>10	80	
		FC	10	60	<10	<10	10	20	<10	<10	<10	20	<10	<10	<10	10	<10	<10	70	<10	
		ENT	<2	60	6	<2	2	20	4	2	20	2	2	2	2	<2	2	<2	2	2	22
BNB35	Newport Blvd. Bridge	TC	340	>40000	<10	40000	120	>40000	170	>40000	330	>1030	240	8000	40000	<10	5000	>880	680	80	
		FC	70	>40000	<10	23600	<10	95	60	900	<10	310	20	50	12000	<10	200	220	60	<10	
		ENT	10	23800	<2	6200	2	150	20	800	8	140	44	110	8200	2	20	110	4	2	
BNB12	Rhine Channel	TC	20	120	<10	<10	30	70	<10	60	30	20	30	60	4400	40	530	>80	2000	500	
		FC	<10	<10	<10	<10	<10	10	<10	<10	<10	<10	<10	<10	490	<10	<10	<10	580	<10	
		ENT	2	<2	<2	<10	2	<2	<2	8	<2	<2	<2	<2	8	140	<2	62	2	34	<2
BNB14	19th Street Beach	TC	70	<10	<10	<10	>110	<10	10	40	>20	<10	<10	10	80	10	<10	10	10	10	
		FC	<10	<10	<10	<10	10	<10	<10	30	<10	<10	<10	<10	<10	<10	<10	10	<10	<10	
		ENT	8	2	<2	<2	<2	2	<2	>2	8	2	2	2	<2	2	4	<2	6	<2	
BNB15	15th Street Beach	TC	<10	100	10	10	20	<10	<10	580	10	95	110	30	480	20	<10	<10	>60	<10	
		FC	<10	<10	<10	<10	<10	<10	<10	140	<10	80	95	20	130	<10	<10	<10	20	<10	
		ENT	<2	10	<2	2	2	140	<2	<2	4	2	8	<2	110	8	<2	<2	6	<2	
BNB17	10th Street Beach	TC	<10	40	<10	<10	50	10	<10	50	>10	<10	30	<10	10	<10	<10	10	20	<10	
		FC	<10	20	<10	<10	<10	<10	<10	20	<10	<10	<10	<10	<10	<10	<10	<10	<10	<10	
		ENT	10	10	<2	<2	4	<2	<2	<2	4	<2	<2	4	4	4	<2	<10	<2	8	<2
BNB18	Alvarado/ Bay Isle Beach	TC	30	20	20	70	110	10	10	<10	>320	<10	10	<10	40	<10	<10	30	20	20	
		FC	<10	<10	10	10	<10	<10	10	<10	360	<10	<10	<10	<10	<10	<10	<10	20	<10	<10
		ENT	10	78	8	329	2	<2	<2	4	26	2	4	2	8	<2	4	10	10	2	
BNB22	N Street Beach	TC	<10	10	<10	10	<10	<10	<10	20	10	<10	<10	<10	10	20	10	<10	>40	<10	
		FC	10	<10	<10	<10	<10	10	<10	30	<10	10	<10	<10	<10	10	<10	20	40	<10	
		ENT	<2	4	<2	6	<2	<2	<2	2	2	2	2	<2	<2	<2	2	2	32	<2	
BNB31	Garnet Avenue Beach	TC	<10	50	30	40	180	10	10	460	>10	<10	10	>20	30	>10	10	>20	20	>180	
		FC	10	50	<10	<9	<10	<10	10	410	<10	<10	10	10	<10	<10	<10	<10	<10	<10	
		ENT	8	100	<2	3	2	20	<2	20	2	<2	22	10	2	2	2	<2	4	32	
BNB03	Ruby Avenue Beach	TC	10	10	<10	9	100	<10	10	30	>70	<10	10	10	120	30	20	>70	560	<10	
		FC	10	<10	<10	9	<10	10	<10	<10	10	<10	<10	<10	30	<10	<10	70	520	<10	
		ENT	10	10	2	2	6	<2	2	<2	52	<2	6	10	10	<2	2	<2	8	<2	
BNB20	Sapphire Avenue Beach	TC	20	20	<10	9	10	40	10	30	>10	<10	10	100	30	<10	<10	<10	10	<10	
		FC	20	<10	<10	9	<10	40	10	10	<10	<10	10	20	20	10	<10	<10	10	<10	
		ENT	2	<2	<2	4	<2	4	<2	4	10	2	4	2	4	<2	<2	4	4	4	<2
BNB34	Grand Canal	TC	60	860	<10	990	20	380	<10	20	20	30	10	10	450	40	120	190	>170	50	
		FC	50	<10	<10	440	10	260	<10	20	20	<10	<10	<10	50	30	50	150	80	30	
		ENT	20	42	<2	226	<2	20	2	42	4	4	8	<2	64	6	20	22	20	<2	
BNB21	Abalone Avenue Beach	TC	30	80	<10	90	160	30	80	100	100	>140	100	20	100	>60	80	>170	>120	<10	
		FC	<10	<10	<10	20	70	30	50	130	40	80	100	<10	50	30	80	95	100	30	
		ENT	10	10	<2	10	4	<2	10	72	24	68	28	2	10	24	26	20	26	6	
BNB01	Park Avenue Beach	TC	<10	70	130	9	50	20	40	20	10	24	20	30	10	>580	30	10	50	>110	
		FC	10	<10	<10	<9	<10	<10	10	<10	<10	<10	10	<10	40	<10	<10	<10	<10	<10	
		ENT	2	8	<2	3	<2	<2	<2	<2	<2	<2	2	2	42	<2	<2	<2	8	<2	
BNB02	Onyx Avenue Beach	TC	40	10	40	<10	190	10	<10	10	160	10	70	40	270	30	10	20	>40	10	
		FC	20	10	<10	<10	10	<10	<10	<10	95	<10	10	30	20	10	<10	10	<10	10	
		ENT	4	20	6	2	6	<2	4	10	120	10	20	2	26	2	2	10	20	2	
BNB29	Promontory Point Channel	TC	<10	20	<10	<10	20	10	<10	<10	<10	<10	<10	40	<10	50	<10	<10	10	>10	
		FC	<10	<10	<10	<10	<10	<10	<10	<10	<10	<10	<10	<10	<10	<10	<10	10	<10	<10	
		ENT	2	2	<2	<2	<2	<2	<2	<2	<2	<2	<2	<2	<2	10	<2	<2	<2	4	<2
BNB33	Bayside Drive Beach	TC	10	130	60	30	20	150	30	>270	>260	10	60	60	6000	>900	>80	>180	>150	10	
		FC	<10	40	40	<10	20	60	<10	60	160	10	10	60	510	760	110	120	40	<10	
		ENT	6	6	2	2	<2	20	<2	42	40	<2	10	42	2000	26	10	20	20	4	
BNB23	Rocky Point Beach	TC	110	60	<10	<10	<10	<10	<10	20	<10	20	>10	<10	10	50	<10	<10	<10	<10	
		FC	40	<10	<10	<10	<10	<10	<10	10	<10	<10	<10	<10	10	<10	<10	<10	<10	<10	
		ENT	6	10	<2	<2</															

Health Care Agency / Environmental Health Newport Bay Bacteriological Monitoring Program
Total Coliform (TC), Fecal Coliform (FC), Enterococcus (ENT) Colony Forming Units / 100 ml Sample

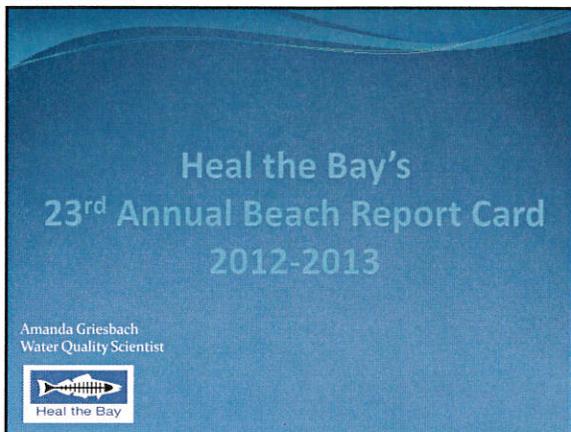
STATION	Location Description		2/13/13	2/20/13	2/25/13	3/6/13	3/11/13	3/18/13	3/25/13	4/3/13	4/8/13	4/17/13	4/22/13	4/29/13	5/6/13	5/13/13	5/20/13	5/28/13	6/3/13	6/10/13
NEWPORT BAY (Upper Bay)																				
BNB24	Newport Dunes - Middle	TC	50	1610	20	200	>1220	70	80	>70	>10	<10	20	<10	110	80	10	<10	>40	10
		FC	30	1080	20	230	70	10	40	30	30	<10	<10	<10	10	<10	<10	<10	<10	<10
		ENT	24	600	10	34	24	6	4	6	2	<2	<2	<2	2	20	<2	<2	<2	10
BNB24	Newport Dunes - West	TC	220	3200	95	530	>1480	>180	80	400	40	<10	>10	20	80	40	20	<10	>10	>10
		FC	80	1160	70	310	60	95	40	260	<10	<10	<10	10	<10	10	<10	20	<10	<10
		ENT	32	2400	20	224	20	62	4	24	2	<2	<2	<2	2	20	<2	4	<2	2
BNB24	Newport Dunes - East	TC	180	630	50	40	>840	40	290	10	<10	<10	<10	<10	80	150	<10	>10	>10	20
		FC	10	470	20	20	80	10	200	<10	10	30	<10	<10	40	<10	<10	10	<10	<10
		ENT	10	7600	10	8	20	30	38	2	6	<2	<2	2	2	10	4	<2	<2	10
BNB24	Newport Dunes - North	TC	130	280	10	130	>700	>60	20	40	>325	>30	10	80	130	150	10	>60	<10	10
		FC	20	140	<10	10	100	80	10	10	180	<10	<10	10	20	10	10	<10	<10	<10
		ENT	10	56	<2	32	4	6	10	6	60	<2	<2	6	36	4	<2	<2	2	<2
BNB25	Vaughn's Launch	TC	NS	NS	10	NS	>380	NS	20	NS	>40	NS	NS	NS	NS	NS	NS	NS	NS	NS
		FC	NS	NS	<10	NS	30	NS	10	NS	10	NS	NS	NS	NS	NS	NS	NS	NS	NS
		ENT	NS	NS	6	NS	6	NS	10	NS	220	NS	NS	NS	NS	NS	NS	NS	NS	NS
BNB26	Ski Zone	TC	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS
		FC	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS
		ENT	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS
BNB28	North Star Beach	TC	>340	1660	<10	160	>500	60	10	<10	10	100	>10	<10	>430	100	10	>10	10	<10
		FC	20	80	<10	10	20	<10	<10	<10	10	<10	<10	<10	80	<10	<10	<10	10	<10
		ENT	150	96	10	38	8	28	8	4	4	8	2	<2	130	38	2	2	6	<2
BNB30	De Anza	TC	50	13000	10	50	260	60	10	<10	10	40	>10	30	170	30	<10	10	>10	<10
		FC	10	170	<10	<10	<10	<10	<10	10	<10	<10	<10	<10	<10	<10	<10	<10	<10	<10
		ENT	36	600	6	36	<2	30	<2	10	2	<2	8	6	4	<2	<2	6	20	<2
BNB05	Bayshore Beach	TC	10	620	20	60	70	80	20	<10	10	20	40	10	40	40	20	10	50	<10
		FC	<10	30	10	20	10	20	<10	10	10	20	<10	10	20	<10	<10	10	<10	<10
		ENT	20	50	<2	42	4	38	2	<2	<2	28	4	<2	4	10	2	2	10	2
NEWPORT BAY TRIBUTARIES																				
CNBCD	San Diego Creek - Campus Dr.	TC	>3700	103000	2600	>700	>17000	>2400	>680	>1900	NS	>270	>150	>240	>7800	3200	>460	>100	>210	>280
		FC	210	12000	100	10	400	60	60	330	NS	30	40	50	2600	20	70	60	200	95
		ENT	150	20000	20	20	10	48	26	400	NS	50	54	28	3200	70	26	48	88	20
CNBSA	Santa Ana Delhi Channel	TC	>2800	200000	5100	>3900	>11000	>1170	>4100	>3600	NS	>4000	>3000	>530	40000	55000	41000	>1800	>3000	>2100
		FC	450	15000	100	260	380	80	360	320	NS	170	400	350	40000	430	2600	200	390	200
		ENT	412	30000	40	150	378	100	150	210	NS	140	600	110	40000	74	206	190	400	180
CNBBC	Big Canyon Creek	TC	420	4000	210	>350	>440	>520	>490	>500	>480	>880	>260	>380	12000	4200	4400	>510	>600	>760
		FC	100	1640	60	40	80	70	80	10	160	380	40	10	4000	200	40	10	20	10
		ENT	130	2200	140	140	58	150	60	38	48	224	56	36	6400	248	200	66	74	60
CNBND	Backbay Drive Pipe	TC	16000	>250	370	>440	>1380	>750	>910	>190	>660	>6200	2000	19000	7800	4400	NS	NS	NS	NS
		FC	4200	50	95	20	60	10	70	<10	80	860	80	5000	1700	100	NS	NS	NS	NS
		ENT	406	160	28	36	120	40	120	44	400	600	600	6800	3400	2000	NS	NS	NS	NS
NEWPORT SLOUGH																				
BNS01	Lancaster Street & 61st Street	TC	NS	NS	NS	NS	NS	NS	NS	>120	>50	10	>50	>70	>1130	>20	>70	>120	>20	>10
		FC	NS	NS	NS	NS	NS	NS	NS	10	<10	<10	10	<10	80	10	<10	20	<10	<10
		ENT	NS	NS	NS	NS	NS	NS	NS	4	42	6	10	8	44	20	10	20	10	10
BNS02	Lancaster Street & Canal Street	TC	NS	NS	NS	NS	NS	NS	NS	40	95	30	10	30	4000	10	>50	30	>100	50
		FC	NS	NS	NS	NS	NS	NS	NS	30	10	<10	40	20	100	10	<10	<10	10	10
		ENT	NS	NS	NS	NS	NS	NS	NS	10	4	4	8	8	10	4	32	10	10	10

NS - NOT SAMPLED
 LA - LAB ACCIDENT
 Cw/(o)C- CONFLUENT GROWTH WITH(OUT) COLIFORMS
 TNTC - TOO NUMEROUS TO COUNT

SINGLE SAMPLE STANDARDS:
 Total Coliforms - 10,000 organisms per 100 milliliters sample.
 Fecal Coliforms - 400 organisms per 100 milliliters sample.
 Enterococci - 104 organisms per 100 milliliters sample.
 Fecal:Total Ratio - >1000 total coliforms if ratio exceeds 0.1.

New Data
Single Sample Standard Violation.
Long-term Posting Location.
Creek/Drain Sample Location.
Rain Influenced Data.

30-DAY LOG MEAN STANDARDS (of five weekly samples)
 Total Coliforms - 1,000 organisms per 100 milliliters sample.
 Fecal Coliforms - 200 organisms per 100 milliliters sample.
 Enterococci - 35 organisms per 100 milliliters sample.



BEACH REPORT CARD

- A - F grades for beach water quality throughout CA, OR and WA
- Easy-to-understand translation of bacteria indicator data
- Data from public agencies (environmental health departments and POTWs)
- Endorsed by the State Water Resources Control Board as an effective education tool

BRC Grading Scale

Grade	Points
A	90-100%
B	80-89%
C	70-79%
D	60-69%
F	≤59%

Total Points Available

By Component:

• Geometric Mean	29 points
• Single Sample Standard	71 points
	100 total points

- ### California's Dry Grades
- **A or B grades**
 - 93% (413 of 445) during summer dry weather
 - 90% (289 of 322) during winter dry weather
 - **Southern California** (Santa Barbara-San Diego)
 - 93% A or B grades during summer dry weather
 - **San Francisco Bay Area** (Marin - San Mateo)
 - 98% A or B grades during summer dry (ocean-side)
 - 89% A or B grades during summer dry (bay-side)

- ### California's Wet Grades
- Seasonal difference between wet and dry weather water quality
 - 31% of monitoring locations received fair/poor grades during wet weather
 - 13% F grades

California's Honor Roll

- Excellent water quality grades during all three time periods
- 35 locations statewide

Orange County Honor Roll Beaches

Surfside Beach, projection of Sea Way	Balboa Beach, The Wedge
El Moro Beach	Blue Lagoon
Camel Point	Laguna Lido Beach
9 th Street 1000 Steps Beach	San Clemente Trafalgar Canyon

Beach Bumpers

1. Avalon Beach, Catalina Island (Los Angeles County)
2. Cowell Beach (Santa Cruz County)
3. Poche Beach (Orange County)
4. Cabrillo Beach, harborside (Los Angeles County)
5. Malibu Pier (Los Angeles County)
6. Marina Lagoon (San Mateo County)
7. Doherty State Beach (Orange County)
8. Redondo Beach Pier (Los Angeles County)
9. Windsurfer Circle (San Francisco County)
10. Tijuana River Mouth (San Diego County)

Orange County Breakdown

- Summer dry weather -- 93% A or B grades
- Winter dry weather -- 86% A or B grades
- Wet weather -- 73% A or B grades

Orange County Sewage Spills

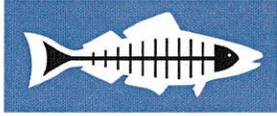
- 13 sewage spills that led to beach closures
- **Newport Bay**
 - 4/6/12 – 50 gallons (south side of Lido Isle)
 - 7/30/12 – 100 gallons (Port Calypso Marina)
 - 8/16/12 – 2,800 gallons (Bayside Drive/East Bay Front of Balboa Island)
 - 8/21/12 – 50 gallons (Park Ave to South Bay Front)
 - 8/25/12 – 1,000 gallons (33rd to 38th street)
 - 1/28/13 – 800 gallons (North Star Beach)
 - 2/05/13 – 200 gallons (Channel Place Park to 41st)

Location	Summer Dry	Winter Dry	Wet Weather
Newport Dunes, north	A	A	F
Newport Dunes, east	A	C	F
Newport Dunes, middle	A	C	F
Newport Dunes, west	A	F	F
Bayside Beach	A	A+	F
Via Genoa Beach	A	A	B
Lido Yacht Club Beach	A+	A	B
Garnet Avenue Beach	B	A	C
Sapphire Avenue Beach	A	A+	A
Abalone Avenue Beach	A	A	A
Park Avenue Beach	A	A+	A
Onyx Avenue Beach	A	A	A
Ruby Avenue Beach	A	A+	B
Grand Canal	A	A	A
43 rd Street Beach	A+	A	A
38 th Street Beach	A	A+	C
19 th Street Beach	A	A+	A
15 th Street Beach	A+	A	B
10 th Street Beach	A+	A	D
Alvarado/Bay Isle Beach	A	B	D
N Street Beach	A+	A+	A
Harbor Patrol Beach @ Bayside Drive	A	A+	A+
Rocky Point Beach	A	A	A

Beach Monitoring Funding

- Nearly \$10 million in federal funding on chopping block (FY 2014)
 - ~\$500,000/annually for CA
- State Funding
 - \$1.8 million approved by State Budget Conference Committee
 - Currently waiting Governor approval

Questions?



Heal the Bay

www.beachreportcard.org

Water Quality / Coastal Tidelands Committee Meeting June 13th, 2013

Orange County Transportation Authority (OCTA)
Environmental Allocation Cleanup Program

Presented by: John Kappeler
Public Works





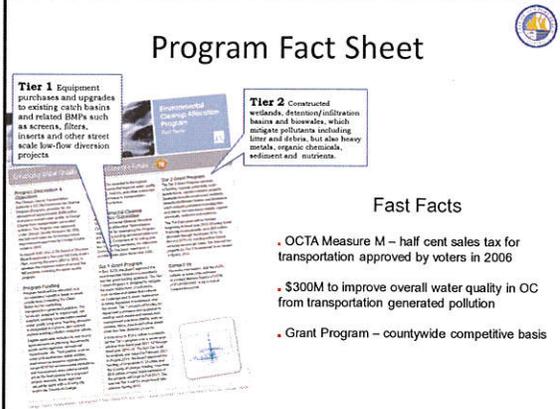
Program Fact Sheet

Tier 1 Equipment purchases and upgrades to existing catch basins and related BMPs such as screens, filters, insects and other street scale low-flow diversion projects.

Tier 2 Constructed wetlands, detention/infiltration basins and bio-retention, which mitigate pollutants including litter and debris, but also heavy metals, organic chemicals, sediment and nutrients.

Fast Facts

- OCTA Measure M – half cent sales tax for transportation approved by voters in 2006
- \$300M to improve overall water quality in OC from transportation generated pollution
- Grant Program – countywide competitive basis



Tier 1 Program

- ▶ \$20M available over a seven year period
- ▶ \$200k per grant application (5 applications annually)
- ▶ 25% matching funds

Eligible Projects

Catch Basin Screens & Filters



CDS units



Marina Trash Skimmers





Tier 1 Projects - Completed

2 CDS Units Newport Blvd Watershed




Tier 1 Projects - Completed



Clogged storm drain - first flush



Manual debris removal

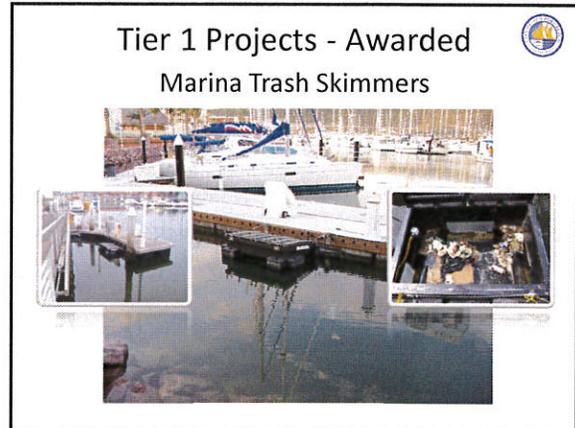
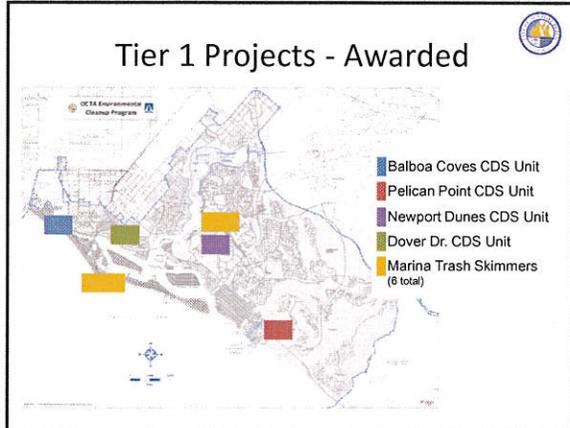


After trash removal



Tier 1 Projects - Completed



Tier 2 Program

\$25M available this year
 \$5M per grant application
 50% matching funds

Eligible Projects:

Large scale projects, wetlands, infiltration basins, Bioswales, etc...

Grant Details: Summer 2013

