



CITY OF NEWPORT BEACH WATER QUALITY/COASTAL TIDELANDS COMMITTEE AGENDA

Crystal Cove Conference Room

Thursday, March 2, 2023 - 3:00 PM

Water Quality/Coastal Tidelands Committee Members:

Council Member Joe Stapleton, Chair
Council Member Brad Avery, Vice Chair
Peter Belden, Member
Curtis Black, Member
Louis Denger, Member
Charles Fancher, Member
Lawrence Houston, Member
Richard McNeil, Member
George Robertson, Member

Staff Members:

Jim Houlihan, Deputy Public Works Director/City Engineer
John Kappeler, Senior Engineer
Karen Gallagher, Administrative Assistant

The Water Quality/Coastal Tidelands Committee meeting is subject to the Ralph M. Brown Act. Among other things, the Brown Act requires that the Water Quality/Coastal Tidelands Committee agenda be posted at least seventy-two (72) hours in advance of each regular meeting and that the public be allowed to comment on agenda items before the Committee and items not on the agenda but are within the subject matter jurisdiction of the Water Quality/Coastal Tidelands Committee. The Chair may limit public comments to a reasonable amount of time, generally three (3) minutes per person.

The City of Newport Beach's goal is to comply with the Americans with Disabilities Act (ADA) in all respects. If, as an attendee or a participant at this meeting, you will need special assistance beyond what is normally provided, we will attempt to accommodate you in every reasonable manner. Please contact John Kappeler, Water Quality Enforcement Manager, at least forty-eight (48) hours prior to the meeting to inform us of your particular needs and to determine if accommodation is feasible at (949) 644-3218 or jkappeler@newportbeachca.gov.

NOTICE REGARDING PRESENTATIONS REQUIRING USE OF CITY EQUIPMENT

Any presentation requiring the use of the City of Newport Beach's equipment must be submitted to the Public Works Department 24 hours prior to the scheduled meeting.

- 1) **CALL MEETING TO ORDER**
- 2) **ROLL CALL AND INTRODUCTIONS**
- 3) **PUBLIC COMMENTS ON AGENDA ITEMS (10 min)**

Public comments are invited on agenda items. Speakers must limit comments to five minutes. Before speaking, we invite, but do not require, you to state your name for the record. The Committee has the discretion to extend or shorten the speakers' time limit on agenda items, provided the time limit adjustment is applied equally to all speakers. As a courtesy, please turn cell phones off or set them in the silent mode.

- 4) **REVIEW AND APPROVAL OF MINUTES (5 min)**

Recommendation: Approve minutes as presented

[WQCT Draft Minutes 02022023](#)

- 5) **CURRENT BUSINESS (55 min)**

- (a) Irvine Ranch Water District Syphon Reservoir Project (Michael Van Dyke)
(20 min) Review and update on the Siphon Reservoir Project.

Recommendation: Committee Discussion

- (b) Water Quality / Coastal Tidelands Committee Goals (Committee Members)
(25 min) Discussion on new committee goals, including beach erosion, sea level rise and water quality/monitoring.

Recommendation: Committee Discussion

- (c) Newport Beach Trash Interceptor Public Outreach Campaign (John Pope)
(10 min) Discussion on new committee goals, including beach erosion, sea level rise and watershed education.

Recommendation: Committee Discussion

6) **COMMITTEE ANNOUNCEMENTS OR MATTERS WHICH MEMBERS WOULD LIKE
PLACED ON A FUTURE AGENDA FOR DISCUSSION, ACTION OR REPORT
(NON-DISCUSSION ITEM) (10 min)**

- (a) Balboa Island Drainage Plan (April 2023) - Objective 12

- (b) Total Maximum Daily Load for Copper (Cu) April 2023

7) **PUBLIC COMMENTS ON NON-AGENDA ITEMS (5 min)**

Public comments are invited on non-agenda items generally considered to be within the subject matter jurisdiction of the Committee. Speakers must limit comments to three minutes. Before speaking, we invite, but do not require, you to state your name for the record. The Committee has the discretion to extend or shorten the speakers' time limit on non-agenda items, provided the time limit adjustment is applied equally to all speakers. As a courtesy, please turn cell phones off or set them in the silent mode.

8) **SET NEXT MEETING DATE (5 min)**

Recommendation: April 6, 2023

9) **ADJOURNMENT**

ATTACHMENTS:

*Bay and Ocean Bacteriological Test Results
Committee Goals*

[Newport-Huntington Data 2023](#)

[Committee Goals](#)

Date: February 2, 2023

Time: 3:00 p.m.

Location: Newport Beach Civic Center, Crystal Cove Conference Room

Meeting Minutes prepared by:

1. Call meeting to order

The meeting was called to order at 3:01 p.m. by Chair Stapleton

2. Roll Call and Introductions

Committee Members Present:

Councilmember/Chair Joe Stapleton
Councilmember/Vice Chair Brad Avery
Committee Member Peter Belden
Committee Member Curtis Black
Committee Member Louis Denger
Committee Member Charles Fancher
Committee Member Richard McNeil
Committee Member Tom Houston
Committee Member George Robertson

Guests Present:

Nancy Gardner, Orange Coast River Park
Jon Wadsworth, Surfrider Foundation
Mark Ward, Help your Harbor
Melinda Williams, Help your Harbor

Staff Present:

David Webb, Public Works Director
Shane Burckle, Water Conservation Coordinator
Bob Stein, Assistant City Engineer
Karen Gallagher, Administrative Assistant

3. Public Comment on Agenda Items

None

4. Review and approval of minutes (5 min)

Motion. Committee Member Fancher made a motion to approve the minutes as amended (Committee Member Denger was not present at October 2022 meeting and one other typographical correction); Committee Member Robertson seconded; motion approved unanimously.

5. CURRENT BUSINESS (55 min)

(a). Surfrider Foundation/Help Your Harbor Donation (Mark Ward) (15 min) Acceptance of a donation in the amount of \$12,415.45 towards the purchase of a new marina trash skimmer for the Rhine Wharf public dock.

An overview presentation was given by Water Conservation Coordinator, Shane Burckle. He reported on the “first flush” of the winter season which provides trash capture at the Delhi Channel

utilizing the boom capture system. The City notified Orange County Public Works who then provided trash and debris clearance.

Public Information Officer John Pope had indicated that this provided the City an opportunity to educate the community via various media outlets regarding the impacts of trash and debris on water systems as a result of storms.

Mark Ward from Help your Harbor reported the harbors needed additional attention and described the various organizations who are participating in monthly clean-ups of the Harbor. The group is very supportive of the Water Wheel and the Newport Harbor underwater clean-up. He presented the \$12,415.45 donation check to the City.

Nancy Gardner provided historical context regarding the boom project, stating it started in the mid-1980's.

Committee Vice Chair Avery inquired regarding the various trash mitigation projects in surrounding communities. Water Conservation Coordinator Burckle responded on the various programs, including the number of street miles swept and trash collected in the surrounding areas. However, he did mention the City of Newport Beach is outpacing surrounding communities in this metric, although surrounding communities are actively placing mitigation measures in place, including educational outreach and trash capture devices. Assistant City Engineer Bob Stein commented that metrics quantifying the impacts of trash will likely spur surrounding communities to increase their efforts.

Jon Wadsworth, representing the Surfrider Foundation, reported that one of their goals is to work with the inland communities and provide education regarding the impacts the inland communities have on beach cities as related to trash and debris. He believes a "roadmap" or plan would be helpful in working with inland communities and suggested the Committee could assist with this type of project. Nancy Gardner was supportive of this effort and suggested this Committee could transform itself and focus on sustainability and general environmental issues. Committee Member Black concurred and requested staff come back with additional information on trash recapture projects and then have the City utilize its influence to approach the surrounding communities.

Committee Member Houston spoke regarding the Water Wheel and requested the City increase its efforts to complete the project. He also commented on the adverse impacts of individuals who are regularly squatting in the area. Public Works Director Webb reported on the status of the Water Wheel project and the amount of City funds and resources expended on trash capture and public education.

There was no further action taken on this item.

(b) Committee Goals/Objectives (Assistant City Engineer, Bob Stein) (40 min) Review and status update on the committee's goals and objectives.

Recommendation: Committee Discussion

Assistant City Engineer Bob Stein provided an update of the Committee's work over the past twenty years. In 2012, the name of the Committee evolved into Water Quality and Coastal Tidelands, suggesting policies, projects, and programs that reflect the revised focus. The suggestions from the Committee provide the City Council with an opportunity to focus the City resources on water quality improvement projects and reduce negative impacts to the City. Assistant City Engineer Stein reported on various projects, including studies on bacterial, metals impacts, irrigation, and dry-weather runoff programs, identifying "hot spots", and partnerships with surrounding communities and the private sector, including businesses such as Rogers Gardens.

Assistant City Engineer Stein reported on the more current objectives of the Committee, including trash capture projects and partnership with the Irvine Ranch Water District (IRWD) regarding emergency discharges into the Bay. The City Council ultimately signed an agreement with IRWD regarding such discharge needs. Assistant City Engineer Stein commented on the vessel pump-out

projects and a new device, created by a local inventor, which provides significant cost savings to the City due to its ability to separate particles in the water.

Assistant City Engineer Stein reported on Objective 5, Seal Level Rise Protection, and the Sea Level Mitigation Plan. Committee Member Black requested clarification regarding the scope of work among the various Committees and organizations involved in water issues.

Assistant City Engineer Stein spoke regarding Objective 4, Rapid Testing project funding, and Committee Member Belden also requested a status update. Assistant City Engineer Stein reported on the opportunities.

Committee Member McNeil inquired whether the United States Fish and Wildlife Service (USFWS) Grant had requirements as to protective species. Assistant City Engineer Stein stated there were requirements, however, he did not know the name of the specific species at the moment. Committee Member McNeil concurred there are overlapping categories with other groups as related to the Committee's stated objectives.

Assistant City Engineer Stein requested the Committee focus on gaining clarity on the Committee's future objectives and which are achievable.

Committee Member Houston inquired as to the amount of land required for Objective 1, Harbor Hazardous drop-off, and it was determined that the development near the Back Bay Bridge could be a potentially viable location.

Public Works Director Dave Webb stated his view that the Committee has three major focus areas in their scope of concern which are water quality and monitoring, beach replenishment and sea rise/flooding and perhaps the specific projects could be sub-projects under those headings. He also noted that staff and the City Council have their objectives and requirements and the Committee should focus on bigger focus items, such as general focus and policies.

Committee Member McNeil concurred that the large number of objectives could be collapsed under larger themes, and the importance of identifying the projects which are within the Committee's purview and are achievable.

Committee Member Black suggested the Committee continue to be involved in the development of the sea level rise resilience plan and the beach replenishment program. He also concurred on reducing the number of goals to ensure the Committee can achieve them. He provided additional detail on the impacts of sea level rise on the City's General Plan and suggested the City provide clarity as to the level of involvement it requires from this Committee.

Nancy Gardner provided historical perspective as to the Committee's past participation in the General Plan and the hope the Committee could get participation from other City Committee's on these issues.

Assistant Engineer Stein commented that water quality is much improved and requested clarity as to the Committee's desire to pursue the various objectives. Committee Member Black requested additional information from staff regarding grant funding, which could provide guidance as to which objectives the Committee should pursue. Resident Sharon Ray mentioned "30x30" projects which requires collaborative efforts among organizations to secure associated funding. Assistant City Engineer Stein responded the City is fully "built-out" which may not bode well with regard to certain grant opportunities.

Assistant City Engineer Stein spoke regarding opportunities for the Committee to address areas in the General Plan update which are not being assigned to other groups. Nancy Gardner suggested the Committee not abandon smaller projects which can be achieved and provided the example of the dune restoration project.

Resident Sharon Ray commented the Committee could focus on beach erosion projects and inquired as to the ability to pursue such opportunities. Committee Member Houston inquired whether dredging could be incorporated as an objective. Public Works Director Webb spoke regarding the City's lobbying efforts in this regard.

Committee Vice Chair Avery commented the Committee advises the City Council and City staff regarding matters they see in the community which are under the Committee's purview. He also stated that the Committee should remain laser focused on water quality issues, citing the importance of addressing the impacts of water pollution from boats.

Committee Member Fancher restated his desire to make a motion to have the Committee focus their efforts on the following three items: water quality/monitoring, sea rise/flooding, and beach erosion/replenishment, and then work to identify a concise list of achievable projects under each category.

Committee Member Fancher requested clarification as to why the Committee's annual number of meetings was reduced from eleven to three. Director Webb noted the bacterial report is regularly attached strictly for reporting purposes, and if the Committee identifies items on that list, it can then bring them up. He also stated that having defined Committee objectives will reduce the impacts on City resources and staff as related to meetings which are held without productive output.

Nancy Gardner requested the Committee continue to focus on impacts to the coastal environment as those matters require a body to champion those causes.

Quick comment, to focus on the coastal aspect, Harbor Commission focuses on the Harbor; coastal beaches need a real champion. Committee Chair Stapleton stated that sand replenishment is a top priority for the City.

Committee Member Denger stated that he brings items to the attention of the Committee and staff and inquired as to whether there are status updates on these items. He would like input from the Committee and staff as to which projects are achievable.

Committee Member Black seconded the motion on the floor for discussion purposes. The motion passed 8 – 1 to specify the Committee's three primary objectives as: water quality/monitoring, sea rise/flooding, and beach erosion/replenishment, with Committee Member Denger in opposition.

Upon further discussion, it was determined that the three agreed-upon categories will be a starting point for the Committee's next meeting with the intent of clarifying achievable projects within each.

6. COMMITTEE ANNOUNCEMENTS OR MATTERS WHICH MEMBERS WOULD LIKE PLACED ON A FUTURE AGENDA FOR DISCUSSION, ACTION OR REPORT (NON-DISCUSSION ITEM) (10 min)

- (a) Newport Beach Trash Interceptor Public Outreach Campaign (March 2023)
- (b) IRWD Siphon Reservoir Project (March 2023) – Objective 18
- (c) Balboa Island Drainage Plan (April 2023) – Objective 12
- (d) Total Maximum Daily Load for Copper (Cu) April 2023

There was no action taken on this item.

7. PUBLIC COMMENTS ON NON-AGENDA ITEMS (5 min)

None.

8. SET NEXT MEETING DATE (5 min)

The next meeting was set for March 2, 2023.

9. ADJOURNMENT

The meeting was adjourned at 4:30 p.m.

Chair / Joe Stapleton

DRAFT

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		11/7/22	11/14/22	11/22/22	11/28/22	12/5/19	12/19/22	12/27/22	1/23/23	2/6/23	2/14/23	2/21/23
NEWPORT BAY (Lower Bay)			RAIN										
BNB09	43rd Street Beach	TC	>50	<9	120	>70	270	40	>710	>90	20	30	>80
		FC	<9	<9	<9	20	9	<9	30	<9	<9	<9	<9
		ENT	270	<9	20	140	30	9	9	<9	<9	<9	<9
BNB10	38th Street Beach	TC	70	20	<9	9	>70	70	200	40	30	<9	<9
		FC	9	<9	<9	<9	<9	9	<9	<9	<9	<9	<9
		ENT	9	<9	<9	<9	9	40	9	<9	<9	<9	<9
BNB11	33rd Street Channel	TC	120	9	20	30	>350	>5200	420	>1390	20	>250	<9
		FC	30	<9	<9	9	<9	9	20	490	<9	9	<9
		ENT	<9	9	<9	9	9	2200	9	40	<9	80	<9
BNB32	Lido Yacht Club Beach	TC	>20	<9	9	20	9	NS	9	30	<9	>40	9
		FC	<9	<9	<9	<9	<9	NS	<9	<9	<9	<9	<9
		ENT	20	<9	<9	<9	9	NS	<9	<9	<9	<9	<9
BNB07	Via Genoa Beach	TC	>20000	<9	20	30	40	NS	40	150	9	<9	<9
		FC	>20000	<9	<9	<9	<9	NS	<9	20	9	<9	<9
		ENT	6700	<9	<9	9	30	NS	9	<9	<9	<9	30
BNB35	Newport Blvd. Bridge	TC	3200	200	40	60	3800	9	210	160	9	NS	NS
		FC	40	9	<9	<9	40	<9	40	30	9	NS	NS
		ENT	40	<9	<9	<9	20	<9	9	20	140	NS	NS
BNB12	Rhine Channel	TC	>20000	9	20	710	210	>420	930	140	140	30	<9
		FC	>690	<9	<9	9	70	<9	9	<9	<9	<9	<9
		ENT	620	<9	<9	20	<9	<9	<9	9	<9	<9	<9
BNB14	19th Street Beach	TC	>50	50	790	190	640	350	70	>1180	100	9	NS
		FC	<9	<9	20	40	560	190	50	630	20	<9	NS
		ENT	230	9	<9	20	<9	9	9	3500	40	<9	NS
BNB15	15th Street Beach	TC	>40	60	160	170	600	>210	20	>550	40	50	9
		FC	<9	<9	20	40	20	<9	<9	<9	<9	<9	<9
		ENT	9	<9	<9	<9	<9	9	<9	80	<9	<9	<9
BNB17	10th Street Beach	TC	>9	<9	9	20	20	>150	9	>110	9	9	<9
		FC	<9	<9	<9	9	20	9	<9	<9	9	<9	<9
		ENT	9	<9	<9	<9	<9	9	<9	510	<9	<9	<9
BNB18	Alvarado/ Bay Isle Beach	TC	40	20	130	40	40	>180	40	60	9	9	9
		FC	60	<9	80	9	70	<9	<9	<9	<9	<9	<9
		ENT	110	<9	30	9	40	30	<9	20	9	20	<9
BNB22	N Street Beach	TC	9	40	20	<9	9	30	<9	9	<9	<9	30
		FC	<9	<9	<9	<9	<9	<9	<9	<9	<9	<9	9
		ENT	<9	9	<9	<9	<9	<9	<9	<9	<9	<9	<9
BNB31	Garnet Avenue Beach	TC	9	80	9	40	20	50	>70	>330	40	50	30
		FC	<9	<9	9	30	<9	<9	<9	9	<9	<9	<9
		ENT	20	<9	<9	<9	<9	9	20	40	<9	<9	<9
BNB03	Ruby Avenue Beach	TC	40	9	9	40	210	40	<9	40	190	60	390
		FC	40	<9	9	<9	130	9	<9	<9	20	<9	100
		ENT	40	<9	9	<9	60	<9	<9	20	60	40	<9
BNB20	Sapphire Avenue Beach	TC	>80	9	30	70	110	30	<9	<9	<9	20	60
		FC	50	20	<9	9	91	40	<9	<9	20	<9	<9
		ENT	91	<9	<9	20	<9	9	9	9	<9	20	<9
BNB34	Grand Canal	TC	<9	40	NS	<9	20	130	20	30	<9	30	30
		FC	<9	9	NS	<9	<9	20	20	<9	<9	20	<9
		ENT	<9	9	NS	<9	<9	9	<9	90	<9	<9	<9
BNB21	Abalone Avenue Beach	TC	>9	30	40	9	20	240	<9	40	>9	260	90
		FC	<9	9	60	<9	30	110	<9	<9	<9	160	<9
		ENT	<9	30	9	<9	9	<9	<9	20	<9	<9	40
BNB01	Park Avenue Beach	TC	>630	30	40	20	140	60	9	30	9	20	20
		FC	640	9	<9	9	20	9	<9	9	<9	<9	<9
		ENT	440	<9	40	<9	22	40	<9	20	<9	20	9
BNB02	Onyx Avenue Beach	TC	9	<9	40	9	140	80	9	50	<9	50	70
		FC	<9	<9	40	<9	9	9	9	<9	<9	30	9
		ENT	9	<9	40	<9	9	30	<9	<9	<9	20	20
BNB29	Promontory Point Channel	TC	530	20	NS	30	<9	9	<9	9	9	9	9
		FC	9	<9	NS	<9	<9	<9	<9	<9	<9	<9	<9
		ENT	70	<9	NS	<9	<9	9	<9	9	<9	9	<9
BNB33	Bayside Drive Beach	TC	>91	60	>230	<9	200	110	<9	80	20	40	80
		FC	<9	<9	9	<9	150	<9	<9	<9	<9	<9	<9
		ENT	<9	20	210	9	<9	20	<9	190	20	<9	9

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		10/31/22	11/7/22	11/14/22	11/22/22	11/28/22	12/5/19	12/19/22	12/27/22	1/23/23	2/6/23	2/14/23	2/21/23
NEWPORT BAY (Upper Bay)														
BNB24	Newport Dunes - Middle	TC	<9	<9	>50	<9	<9	>40	>160	20	>400	20	100	9
		FC	<9	<9	<9	<9	<9	<9	30	<9	80	20	<9	<9
		ENT	<9	<9	9	<9	<9	60	170	<9	60	9	9	<9
BNB24	Newport Dunes - West	TC	<9	<9	>40	40	<9	<9	40	<9	>350	<9	<9	<9
		FC	<9	<9	<9	<9	<9	<9	<9	<9	100	<9	<9	<9
		ENT	<9	40	<9	<9	<9	<9	9	<9	90	<9	<9	<9
BNB24	Newport Dunes - East	TC	<9	9	40	30	40	>240	>2200	50	>150	<9	30	<9
		FC	<9	<9	<9	<9	30	9	>60	40	40	<9	<9	<9
		ENT	<9	9	<9	9	9	1370	360	<9	30	9	30	<9
BNB24	Newport Dunes - North	TC	>60	9	80	210	40	>670	>1430	100	80	<9	>270	70
		FC	9	<9	<9	20	20	40	60	60	<9	<9	280	20
		ENT	9	<9	<9	<9	<9	<9	710	120	<9	<9	170	<9
BNB25	Vaughn's Launch	TC	<9	9	40	NS	40	NS	NS	>9	>50	30	NS	40
		FC	<9	<9	9	NS	9	NS	NS	9	9	<9	NS	<9
		ENT	<9	30	40	NS	<9	NS	NS	9	30	<9	NS	9
BNB28	North Star Beach	TC	>9	130	>370	9	20	60	>230	9	>770	40	40	510
		FC	9	<9	9	9	<9	50	20	<9	<9	20	20	370
		ENT	90	9	<9	<9	40	20	<9	9	30	9	9	690
BNB30	De Anza	TC	20	<9	110	40	30	60	50	9	220	9	<9	9
		FC	<9	<9	<9	<9	9	40	<9	<9	<9	<9	<9	<9
		ENT	<9	9	<9	9	9	9	20	<9	60	<9	<9	<9
BNB05	Bayshore Beach	TC	<9	>50	50	80	100	>40	>690	20	>390	90	9	>530
		FC	<9	20	<9	<9	9	40	140	<9	30	<9	<9	40
		ENT	<9	30	30	<9	20	20	20	<9	40	<9	<9	260
NEWPORT BAY TRIBUTARIES														
CNBCD	SD Creek - Campus	TC	>2200	>4600	>4100	NS	>480	>520	>860	>620	>880	>300	>340	>230
		FC	>780	320	390	NS	80	130	100	340	240	60	220	100
		ENT	160	100	300	NS	80	110	140	110	570	130	250	130
CNBSA	Santa Ana Delhi Channel	TC	>4000	>48000	>15300	NS	>47000	>820000	>34000	>12400	>5000	>4700	>5500	>9500
		FC	520	2000	3800	NS	6200	17600	4300	210	440	120	140	310
		ENT	440	770	1140	NS	320	12000	870	490	1190	170	160	70
CNBBC	Big Canyon Creek	TC	>470	>940	>690	NS	>370	210	>760	>140	>430	>490	>480	>240
		FC	100	590	40	NS	50	140	140	70	40	400	70	80
		ENT	50	700	40	NS	30	120	100	30	40	80	100	120
CNBND	Backbay Drive Drain	TC	NS	>4600	NS	NS	NS	>540	NS	NS	>1340	>260	>210	>440
		FC	NS	>91	NS	NS	NS	20	NS	NS	230	>9	>9	70
		ENT	NS	1480	NS	NS	NS	570	NS	NS	2300	220	180	50
NEWPORT SLOUGH														
BNS01	Lancaster Street & 62st Street	TC	>170	1090	>210	>940	40	NS			9	>170	80	100
		FC	9	340	<9	9	<9	NS			9	9	<9	40
		ENT	20	600	9	70	20	NS			140	40	9	120
BNS02	Grant Street	TC	>390	110	9	40	>140	140			50	NS	20	40
		FC	40	<9	<9	9	9	80			<9	NS	<9	9
		ENT	50	60	20	<9	140	9			<9	NS	<9	<9

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.

Single Sample Standard V 30-DAY LOG MEAN STANDARDS (of five weekly samples)

Creek/Drain Sample Locat Fecal Coliforms - 200 organisms per 100 milliliters sample.

Rain Influenced Data. Enterococci - 35 organisms per 100 milliliters sample.

OCSD Bacteriological Ocean Monitoring Program
Total Coliform (TC), Fecal Coliform (FC),
Enterococcus (ENT) Colony Forming Units/100 ml Sample

DATE		12/13/22	12/14/22	12/20/22	12/21/22	12/27/22	12/28/22	1/3/23	1/4/23	1/10/23	1/11/23	1/17/23	1/18/23	1/24/23	1/25/23	1/31/23	2/1/23	2/7/23	2/8/23	2/14/23	2/15/23	2/21/23
Location							RAIN	RAIN	RAIN	RAIN	RAIN	RAIN	RAIN			RAIN	RAIN					
Bluffs	TC	17		<17		<17		33		600		1400		17		<17		<17		<17		<17
27N	FC	<17		<17		<17		33		50		83		<17		<17		<17		<17		<17
	ENT	16		22		6		38		102		356		24		6		4		<2		<2
17th Street	TC	50		<17		<17		220		1600		1000		<17		<17		<17		<17		17
21N	FC	17		<17		<17		17		180		33		<17		<17		<17		<17		<17
	ENT	20		6		14		70		408		254		<2		4		4		12		<2
Jacks Snack	TC	50		<17		<17		620		120		400		<17		<17		17		<17		<17
Bar	FC	<17		<17		<17		130		50		33		<17		<17		<2		17		<17
15N	ENT	16		4		14		236		106		140		8		<2		12		6		<2
Beach Blvd.	TC	50		<17		<17		1100		50		800		33		<17		<17		50		17
12N	FC	<17		33		<17		<17		17		50		<17		<17		<17		17		17
	ENT	22		18		14		42		46		238		8		8		14		4		<2
SCE Plant	TC	17	17	17	<17	<17	<17	1000	200	17	67	300	130	17	<17	<17	<17	<17	<17	<17	<17	17
9N	FC	<17	<17	17	17	<17	<17	<17	33	17	<17	17	<17	<17	<17	17	<17	<17	17	<17	<17	17
	ENT	30	2	28	12	8	10	38	74	58	20	156	46	8	2	4	2	6	4	6	6	<2
Magnolia	TC	17	17	33	100	33	<17	150	50	17	<17	470	180	<17	<17	17	17	<17	17	<17	17	67
Street	FC	<17	<17	<17	83	<17	<17	33	<17	17	17	14	33	<17	<17	50	<17	<17	<17	<17	<17	33
6N	ENT	10	18	32	56	4	14	80	78	16	58	174	110	18	14	18	8	12	4	4	2	<2
Brookhurst	TC	67	<17	33	10	17	17	600	320	17	120	500	560	17	33	330	<17	50	17	17	<17	33
3N	FC	<17	<17	<17	50	<17	<17	33	100	<17	17	<17	33	<17	17	33	<17	<17	<17	<17	<17	<17
	ENT	16	16	12	33	10	6	98	104	22	82	226	252	20	28	20	20	20	10	2	2	10
Santa Ana	TC	83	<17	600	130	<17	1700	1000	700	50	200	150	100	<17	33	>6200	150	17	67	<17	2	<17
River Mouth	FC	17	<17	50	33	17	270	120	33	50	33	100	212	17	<17	150	<17	17	<17	50	15	<17
0	ENT	38	10	132	48	4	290	212	134	44	48	312	150	48	24	222	26	12	16	6	8	<2
Orange	TC		83		120		2200		220		>7200		>6300		<17		33		50		50	
Street	FC		17		17		230		50		NS		880		<17		17		<17		<17	
3S	ENT		28		116		>400		134		>400		>400		26		32		14		18	
52nd/53rd	TC		83		33		<17		100		>2300		1100		67		<17		83		33	
Street	FC		17		<17		<17		17		220		33		<17		<17		<17		17	
6S	ENT		56		8		20		52		>400		>400		40		14		24		74	
38th Street	TC		100		83		<17		>400		540		2200		17		50		<17		17	
9S	FC		17		<17		<17		130		100		20		<17		<17		<17		<17	
	ENT		68		44		4		17		>400		>400		34		8		6		46	
15th/16th	TC		33		100		<17		2100		150		500		<17		<17		<17		33	
Street	FC		<17		50		<17		1700		<17		67		<17		<17		<17		<17	
15S	ENT		26		48		<2		>400		74		182		26		10		18		42	
Balboa Pier	TC		100		17		67		67		67		100		<17		17		<17		17	
21S	FC		<17		<17		<17		50		<17		67		<17		<17		<17		<17	
	ENT		6		12		>400		86		36		168		10		4		4		16	
The Wedge	TC		17		33		<17		380		<17		180		17		67		<17		<17	
27S	FC		<17		<17		<17		<17		17		17		<17		<17		<17		<17	
	ENT		2		8		10		14		14		98		34		68		6		<2	
Corona Del	TC		67		33		100		33		33		300		<17		<17		<17		17	
Mar Beach	FC		<17		17		<17		33		<17		50		<17		<17		<17		<17	
29S	ENT		2		36		26		102		24		86		16		2		4		16	

Water Quality/Tidelands Committee – Priority Objectives

April 6, 2022

- Committee’s Scope
- A. Advise and make recommendations to the City Council on policies, projects and programs that support and/or strengthen existing regulations to protect water quality and habitat in the bay and ocean;
 - B. Advise and make recommendations to the City Council on policies, programs and projects that improve the water quality and habitat of Newport Bay and the ocean;
 - C. Advise the City Council on implementation of the Tidelands Infrastructure Capital Plan in the following areas:
 - 1. Sea level rise as it affects ocean beaches,
 - 2. Ocean beach sand replenishment, and
 - 3. Other capital projects affecting the ocean beaches and tidelands not covered by other committees;
 - D. Advise and make recommendations to the City Council on policies, programs and projects that educate the watershed’s population about the value of Newport Bay and the ocean; and
 - E. Advise on any matter referred to the Water Quality/Coastal Tidelands Committee by the City Council or City Manager.

Objective No.	Sustainability Goal*	City Staff Assisting Committee [hrs/yr]	Committee Member Lead	Completion Term	Proposed Objective
1	Water Quality	24	Tom Houston	Medium	With completion of the Harbor Hazardous Waste drop-off site located at Balboa Yacht Basin, consider option for two additional sites, e.g., Avon Lot, MOD yard, Harbor Marina). Consider asking county to install a hazardous waste site to accept used oil. Prepare a concept plan, construction drawings and Coastal Development Permit for two new sites, e.g., Harbor Marina. Set up committee tour.
2	Water Quality	24	Curt Black	Long	Pesticide and Herbicide Source Control <ul style="list-style-type: none">• Presentation by Kevin Pekar (City Parks Division) and Amanda Carr (OC Watershed) on pest infestations, current approaches, and pesticide/herbicide use trends.• Presentation from DPR and UCI on safety of the new generation of pesticides.• Work with upstream watershed cities and Regional Board to identify key pesticides of concern entering Newport Bay• Work with upstream partners to develop a policy encouraging reduced application of pesticides.
3	Water Quality	200	Curt Black	Short/ Medium	Auxiliary Trash Reduction Program <ul style="list-style-type: none">• Install a storm drain trash interceptor at Dover/Westcliff (Polaris). (\$700k for construction + \$3k annual maintenance.) John to call County for update• Trash outreach program to inland cities• Trash Provisions - review of trash reduction monitoring, branding (e.g. “Put Trash where it belongs”)• SDC trash pre-treatment booms – City of Irvine OCTA Grant requirement?• Dover Drive bioswale rehabilitation and/or installation of downstream CDS unit• Update on Beach Cleanups: Action Item 1 - Presentations for Recreation and PW volunteer (Trellis Program). Action Item 2: Provide recommendations for cleanup areas.
4	Water Quality	48	Peter Belden	Medium	FIB Rapid Testing at Newport Pier (or nearby hot spot). Contact SCCWRP.
5	Sea Level Rise	12	Peter Belden	Short	Provide input and recommendations for protecting ocean facing beaches from sea level rise, e.g., new or enhanced groynes, rip-rap protection. Review beach and groyne sand replenishment programs. Check with the Planning Division for protecting or raising of beach paths.
6	Water Quality	100	Tom Houston	Short	Pumpout Construction and Inspections <ul style="list-style-type: none">• Explore options for inspecting private pump-outs on a weekly basis or upgrading private pumpouts.• Consider requiring private entities to pay the City to maintain and inspect private pumpouts.• Consider adding a second public pumpout at Balboa Yacht Basin.• Explore option for funding pumpout projects.• Explore options for implementing an inspection policy with new Harbormaster and Utility Department.
7	Water Quality	16	Richard McNeil	Medium	Implement a program to address cleaning up discharge associated with private catch basins in the City, e.g., cleaning by vactor or downstream CDS. (\$25-50k/year.) Presentations by PW and Attorney’s Office on various approaches and funding scenarios. Provide recommendations.
8	Water Quality	12	Richard McNeil	Medium	Green Streets Resolution promoting runoff reduction using curb cuts and infiltration pavers at areas where there is adequate infiltration or off-street treatment options.
9	Coordination	12	Richard McNeil	Long	Sustainability Planning Coordination* <ul style="list-style-type: none">• Presentations by Public Works on energy saving projects and initiatives (EV chargers, hydrogen fuel cells, solar shades, batteries), planning to promote bicycles routes, and planning for waste reduction.

					<ul style="list-style-type: none"> • Presentation by Community Development Department on sustainability planning programs. • Coordination with County Supervisor’s office and other cities.
Objective No.	Sustainability Goal*	City Staff Assisting Committee [hrs/yr]	Committee Member Lead	Completion Term	Proposed Objective
10	Water Quality	16	George Robinson	Long	Santa Ana River Trash and Pollutants Study Explore methods for reducing trash from discharging from the Santa Ana River, e.g., trash boom located at Hamilton Avenue.
11	Coordination	12	Curt Black Chuck Fancher	Short	Liaison to Harbor Commission and Parks, Beaches and Parks. <ul style="list-style-type: none"> • Action Item 1: Track water quality issues discussed by the Commission. Consider collaborative goal setting. • Action Item 2: Provide annual briefing. • Action Item 3: Identify impacts to infrastructure from sea level rise.
12	Water Quality	8	Tom Houston	Short	Project Updates: Vessel pumpout stations, Caulerpa Removal, Balboa Island Drainage System (2024-2026), Harbor Algal Blooms (freshwater and marine)
13	Water Quality	20	Lou Denger	Medium	Review option for Cherry Creek, Cherry Lake, and Santa Isabella Channel Water Quality and Restoration <ul style="list-style-type: none"> • Review water quality and other challenges: bacteria exceedances, mosquitos, and Arundo • Discuss options with community, County, and PBR. • Conduct site tour.
14	Water Quality	8	Lou Denger	Medium	Develop a resolution promoting additional reductions of dry weather flows entering the bay, where appropriate, from City storm drains by source controls and use reduction. <ul style="list-style-type: none"> • Action Item 1: Develop a dry weather monitoring plan and conduct visual dry-weather runoff flow assessments. • Action Item 2: Prioritize sub-watersheds based on assessments. • Action Item 3: Develop recommendations for Council consideration, e.g., low flow diversions. • Action Item 4: If needed, provide project recommendations for consideration into City budget.
15	Water Quality	60	Chuck Fancher	Short	Over-Irrigation Reduction Planning <ul style="list-style-type: none"> • Action Item 1: Presentation by Utilities Department on implementing a water distribution plan based on State requirements and guidelines <u>SB 606</u> and <u>AB 1668</u>. • Action Item 2: Tour of Utility Department facilities. • Action Item 3: City Staff provides semi-annual updates to committee. • Action Item 4: City staff presents public outreach program. • Action Item 5: Consider more robust recycled water use. • Action Item 6: Explore options for landscape design, expanded use of recycled water, and drought challenges/opportunities.
16	Sea Level Rise	20	George Robertson	Medium	Provide input and recommendations for protecting Upper Bay and Newport Slough from sea level rise impacts. <ul style="list-style-type: none"> • Consider spraying dredge material on mudflats. • Consider mitigation opportunities for harbor improvements (e.g., new seawalls, ferry modifications). • Work with Harbor Commission and Regional Partners to identify areas of the harbor vulnerable to sea level rise.
17	Water Quality	100	Chuck Fancher	Short	Explore options for providing more public restroom services around the harbor including consideration for a floating restroom project.
18	Coordination	2	Lou Denger	Short	Assign one committee member to attend IRWD meetings related to water quality and water supply issues. <ul style="list-style-type: none"> • Action Item 1: Report on progress on the Syphon Reservoir. • Action Item 2: Report on the on-going status of the Peter’s Canyon Diversion. • Action Item 3: Report on operation of the San Joaquin marsh with regard to water supply and selenium concentrations.
19	Project Updates	10	Lou Denger	Short	Project Updates: Big Canyon Phase 3, Shellfish Studies, Trash Interceptor, Trash Skimmers, Santa Ana Delhi Diversion, Monitor compliance SWQCB Trash Amendments
20	Coordination	40	As	Short	As requested, attend water quality discussions by Harbor Underwater Clean-up Committee, NGO’s, UCI or local high schools.

*The committee’s scope of work is focused on the goals of protecting water quality and addressing sea level rise, including coordinating with City staff, City Commissions, and other stakeholder groups on these issues. These goals fit into a larger sustainability planning framework that can include goals for education, building/development, waste reduction, transportation, energy, water conservation, and harbor/urban outdoor protection. Some of these other sustainability goals are covered by programs and projects underway within various City departments.