

City of Newport Beach Coastal/Bay Water Quality Citizens Advisory Committee Minutes

Date: October 14, 2010
Time: 3:00 p.m.
Location: Fire Conference Room

1. **Welcome/Self Introductions**

Committee Members present:

Chairwoman/Council Member Nancy Gardner
Council Member Ed Selich
Dennis Baker
George Drayton
Tom Houston
Jim Miller
Roberta Jorgensen
Janet Rappaport
Randy Seton

Guests present:

Ray Heimstra, Orange County Coastkeeper
Amanda Griesbach, Heal the Bay
Monica Mazur
Dan Purcell
Jack Skinner

Staff present:

Shane Burckle, Water Conservation Coordinator
Chris Miller, Harbor Resources Manager
Jaime Pollard, Public Works Finance/Administrative Manager
Shirley Oborny, Administrative Assistant

2. **Approval of Previous Meeting's**

The minutes from the July 8, 2010, meeting were approved.

3. **Old Business**

(a) Bay and Ocean Bacteriological Test Results

Ms. Mazur reviewed the latest bacti reports.

4. **New Business**

(a) 2010 End of Summer Beach Report Card – Presentation by Health the Bay

Ms. Griesbach gave a PowerPoint presentation (attached). She said the beach report card is a water quality grading system that's easy for the public to understand. The methodology was endorsed by the State Water Quality Board.

Continuing, she said overall California did a great job through the summer. She talked about how points are deducted based on exceedences of total coliform or enterococcus, for example, in the samples. Discussion ensued. She volunteered her

assistance to come up with a strategy in the event there's ever a problem area that needs to be looked at.

(b) Newport Bay Copper Reduction Project

Mr. Heimstra said the program has been going on for over a year and a half. He said it's a four year project to assist boaters to switch over to non-toxic bottom paints in Newport Bay in hopes of reducing copper concentrations in the bay. This is a proactive attempt to avoid future regulation if possible. This project is administered by the Santa Ana Regional Water Board. It's run by Orange County Coastkeeper with help from the City of Newport Beach. The total grant is \$260,000. He gave a PowerPoint presentation (attached). He talked about the cash incentive aspect. Discussion ensued.

In response to Mr. Seton, Mr. Heimstra said they'll use other areas in the bay that aren't participating in the program for comparison purposes.

(c) City of Newport Beach NPDES Program Evaluation

Mr. Burckle said recently the City was audited by the Regional Water Quality Control Board. He and Mr. Kappeler assisted the auditors. The audit was based on the City's existing development program. The auditors asked to look at the City's inspections, documentation of the inspections, any type of enforcement actions that were taken, the database and photo documentation and the authorized inspector training. The auditors asked to visit a shipyard and a restaurant. He said Mr. Kappeler and he showed them the Bellport shipyard and the Bear Flag restaurant. In summary, the City is in compliance based on the audit.

Chairwoman Gardner said she would like this information given to the City Council; although she wasn't specific as to what format, because she thinks it's important they know that if the City is not in compliance, fines can be issued. Mr. Burckle said it would be included in the City Manager's Newsletter.

Chairwoman Gardner also suggested that the City's Public Information Manager, Tara Finnigan, could pass on the information to the media.

5. Public Comments on Non-Agenda Items

Chairwoman Gardner said she met with the Army Corp of Engineers yesterday. She was excited to report that they would like to participate in the Rhine Channel project and the lower bay dredging as soon as possible. Mr. Miller hopes the Rhine Channel project will begin in spring of 2011.

Mr. Baker asked Mr. Burckle to explain what the regulations are for water tank trucks that wash down the streets. Discussion ensued.

Mr. Skinner said he and Mr. Kappeler have continued to take biofilm samples around the City. The biofilm study is still receiving a lot of attention. Donna Ferguson is very interested in participating in some of these studies. The bacteria

exceedences found in these gutters are a normal process of bacteria that has been taking place on this planet for 3 billion years.

Mr. Seton talked about a report he found written by NOAA and the National Marine Fisheries regarding the extinction of the black abalone along our Coast. Chairwoman Gardner said she would discuss it with Bob Stein, Assistant City Engineer, to see if he's aware of it.

6. Topics for Future Agendas

- (a) Update on the Integrated Watershed Planning Efforts
- (b) Bacteriological Dry-Weather Runoff Gutter Study (Phase III)
- (c) OCTA Measure M
- (d) Coastal Dolphin Research Program
- (e) Regional General Dredging Permit (RGP)
- (f) 2010 Urban Water Management Plan
- (g) Banning Ranch Environmental Impact Report (EIR)
- (h) NPDES Annual Report Review
- (i) 2009 Annual Ocean, Harbor and Bay Water Quality Report
- (j) Rapid Indicators Project Summary
- (k) Shelter Island Copper TMDL

Chairwoman Gardner said she also talked with the Army Corps of Engineers about the Santa Ana Marsh area, the Semeniuk Slough and the Newport Shores area. Mr. Baker suggested it be put on a future agenda.

7. Set Next Meeting Date

The next meeting was set for December 9, 2010.

8. Adjournment

The meeting was adjourned at approximately 4:43 p.m.

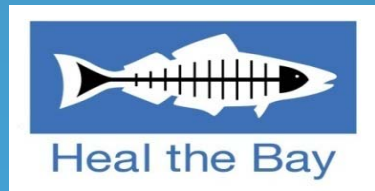
Heal the Bay

End of Summer Report 2010

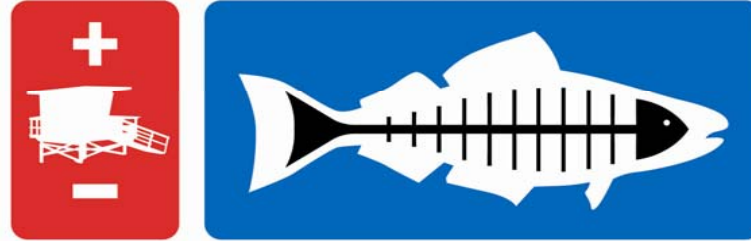
Newport Beach

October 14, 2010

Amanda Griesbach
Staff Scientist



BEACH REPORT CARD

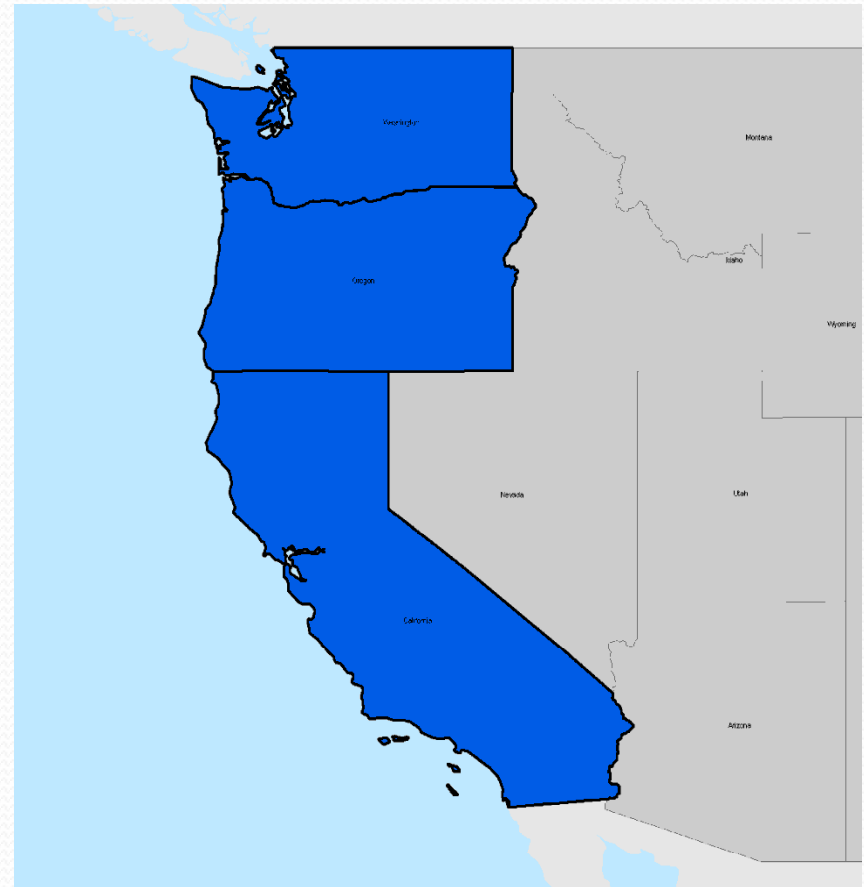


- A - F grades for beach water quality
- Easy-to-understand translation of bacteria indicator data
- Data from public agencies (environmental health departments and POTWs)
- Endorsed by the State Water Resources Control Board and Beach Water Quality Workgroup as an effective education tool

Heal the Bay's Beach Report Card (BRC) Coverage

- The BRC now covers over 600 locations from Washington to the Mexican border on a weekly basis.
- OR/WA new this summer.

**Grades A-F (based on 3 indicator bacteria) Higher grades = lower risk of water illness



Marine Water Quality Standards for Indicator Bacteria (CA)

	Single Sample Max	30-Day Geo. Mean
Total Coliform	10,000	1,000
Fecal Coliform	400	200
Enterococci	104	35
Fecal/Total Ratio	0.1 (total <1,000)	

End-of-Summer (EOS) Report 2010

	A	B	C	D	F	A-B%	C-F%
CA	398	18	10	9	18	92%	8%



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



Newport Beach

Grades (End-of-summer)

- All beaches earned A+ or A grades (except one)
- Newport Bay (Garnet Avenue)
 - Earned the only **F** grade in Newport Beach
 - Historically earned A grades during summer (since 2005)
 - Annual grades never lower than B (since 2000)
 - Why?

Newport Beach—Raw Summer Data (2010)

fpkDate	fdTotaVal	fdFecalVal	fdEnteroVal	fdTFRatioPerc	fdGME	fdGMEDryCount
6/1/2010	10	10	44	0	17	5
6/7/2010	80	40	34	0	19	5
6/14/2010	370	180	36	0	25	5
6/21/2010	10	10	1	0	13	5
6/28/2010	7800	7600	2000	1	40	5
7/1/2010	760	30	150	0	52	5
7/3/2010	100	10	110	0	59	6
7/6/2010	170	80	84	0	62	7
7/9/2010	70	20	10	0	52	7
7/12/2010	50	10	44	0	51	8
7/16/2010	630	350	180	0	62	8
7/19/2010	10	10	4	0	46	9
7/26/2010	80	40	24	0	65	9
7/30/2010	60	10	10	0	36	9
8/2/2010	30	10	2	0	18	8
8/9/2010	10	10	1	0	11	7
8/16/2010	10	10	10	0	5	6
8/30/2010	300	230	4	0	3	5
8/23/2010	10	10	4	0	5	6



Garnet Ave. Overview

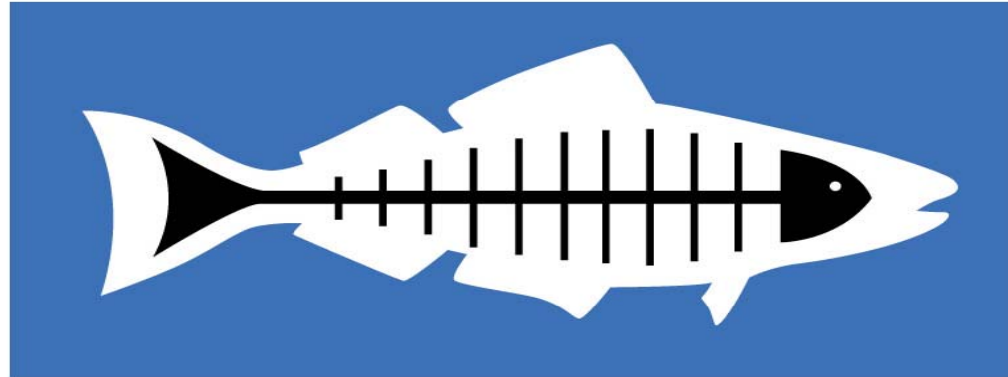
- 43.2% = F grade
- Most points lost from Enterococci geometric mean exceedances.
 - All geometric mean points were lost for 10 days
- 5 out of 8 single-sample exceedances were from Enterococci.
- All exceedances were in July (except one)



What was different in July?

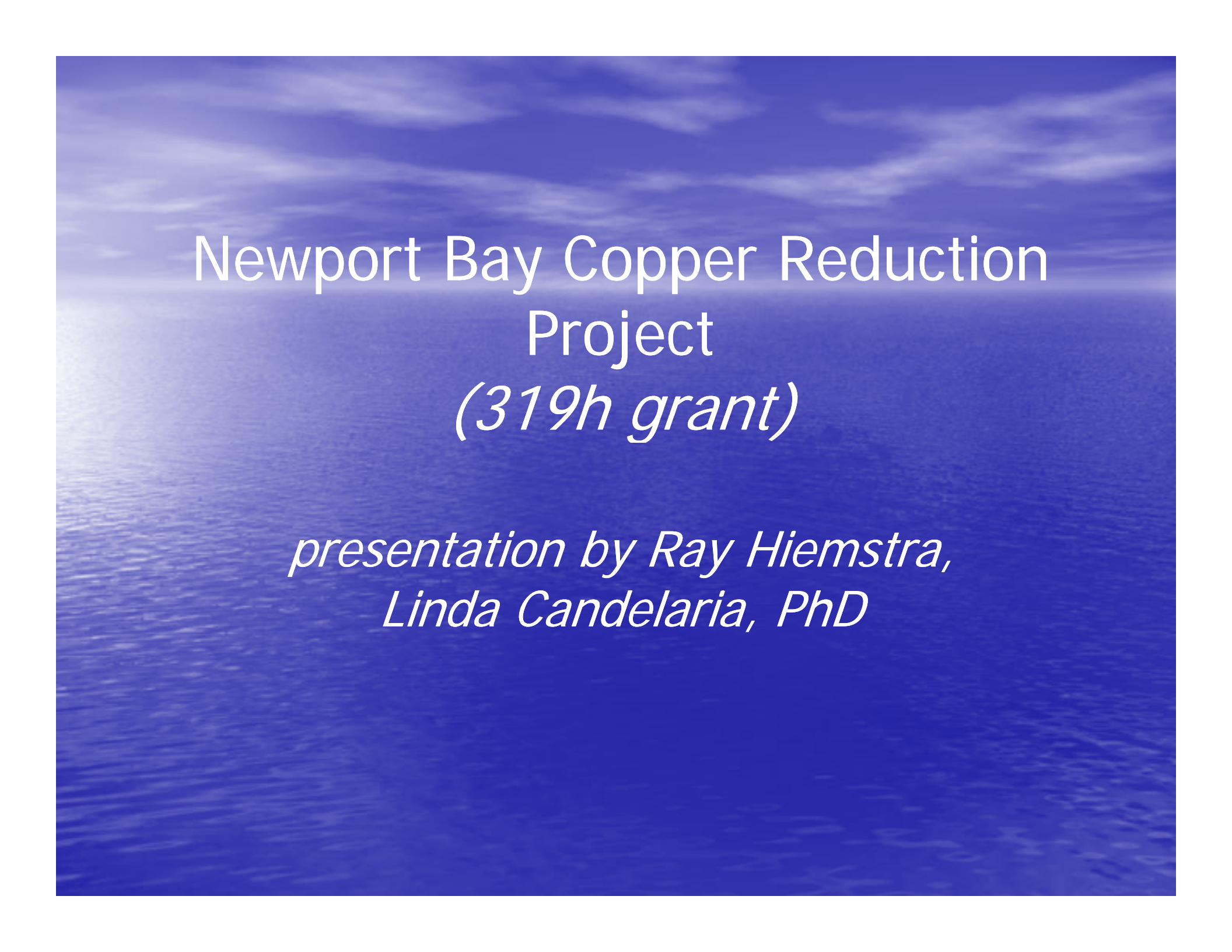
- Sewage Spills
 - Early July Little Corona Beach closed

Other Ideas/Questions?



Heal the Bay

www.healthebay.org



Newport Bay Copper Reduction
Project
(319h grant)

*presentation by Ray Hiemstra,
Linda Candelaria, PhD*

319h Project Basics

- A four year voluntary program to assist boaters in Newport Bay to reduce the use of Copper and other toxic boat bottom paints.
- The purpose of the project is to reduce dissolved copper concentrations in Newport Bay.
- To proactively deal with copper (and other metals) that are included in the Newport Bay Toxics TMDL.

Who is involved

- Funded by USEPA 319h Grant
- Administered by Santa Ana Regional Water Quality Control Board
- Run by Orange County Coastkeeper with City of Newport Beach and SARWQB as partners

Project Outline

- Education program
- Incentive Program For Balboa Yacht Basin
- Water monitoring program to document progress in reducing copper levels.

Other Components

- Work with boatyards to provide nontoxic paint services
- Work with paint manufacturers to introduce nontoxic paints to Newport Bay Boaters
- Non binding city resolution to encourage the use of nontoxic paint.

Education Program

- Workshops, Educational Materials, personal contact
- Focused program at Balboa Yacht Basin
- Harbor wide component
- Newport Bay Specific

Incentive Program

- Focused program at Balboa Yacht Basin
- Combination of incentives based on input from stakeholders.
- Incentives applies to Nontoxic paints only.

Water Monitoring

- Will occur twice a year in Balboa Yacht Basin and two control marinas and channels
- At least eight sample sites
- Establish baseline conditions and track reductions in dissolved copper concentrations.

City Resolution

- Non Binding –i.e. voluntary
- Important incentive to boaters, highlights regulatory process in progress.
- Developed in cooperation with Harbor Bay Water Quality Committee/Harbor Commission

Summary

- Copper exceeds CTR criteria in Newport Bay
- 319 project proactively addresses a long term problem
- Project Participation is Voluntary
- USEPA Funded Project reduces city costs

- Contact information

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