SANTA BARBARA HARBOR
WATER QUALITY TEST RESULTS
JULY 2008 THROUGH JUNE 2009

Total Coliform MPN/100mls						
Station	July	August	September	April	May	June
SBH #7	41	41	63	189	601	86
SBH #8	231	216	97	20	216	189
SBH #9	146	2,310	122	63	203	97
SBH #10	121	256	51	20	31	185
SBH #11	52	109	134	122	243	41
SBH #12	86	31	2,187	52	20	52
SBH #13	10	10	<10	41	10	<10
Limit: <10,000 MPN/100mls						

Fecal Coliform MPN/100mls						
Station	July	August	September	April	May	June
SBH #7	10	<10	<10	98	20	20
SBH #8	10	20	20	<10	10	10
SBH #9	10	<10	10	<10	<10	10
SBH #10	30	<10	<10	<10	<10	20
SBH #11	<10	31	20	52	<10	<10
SBH #12	52	<10	1500	<10	10	20
SBH #13	10	<10	<10	20	10	<10
Limit: < 400 MPN/100mls						

Enterococcus MPN/100mls						
Station	July	August	September	April	May	June
SBH #7	<10	<10	<10	<10	<10	10
SBH #8	<10	<10	<10	<10	<10	<10
SBH #9	<10	<10	10	<10	<10	<10
SBH #10	<10	<10	<10	<10	<10	<10
SBH #11	<10	<10	<10	10	<10	<10
SBH #12	<10	<10	504	<10	<10	<10
SBH #13	10	<10	<10	<10	<10	<10
Limit: < 104 MPN/100mls						

ATTACHMENT #1

SANTA BARBARA HARBOR
WATER QUALITY TEST RESULTS
JULY 2008 THROUGH JUNE 2009

MBAS MPN/l		
Station	April	June
SBH #7	ND	ND
SBH #8	ND	ND
SBH #9	ND	ND
SBH #10	ND	ND
SBH #11	ND	ND
SBH #12	ND	ND
SBH #13	ND	ND
Limit: < .2 MPN mg/l		

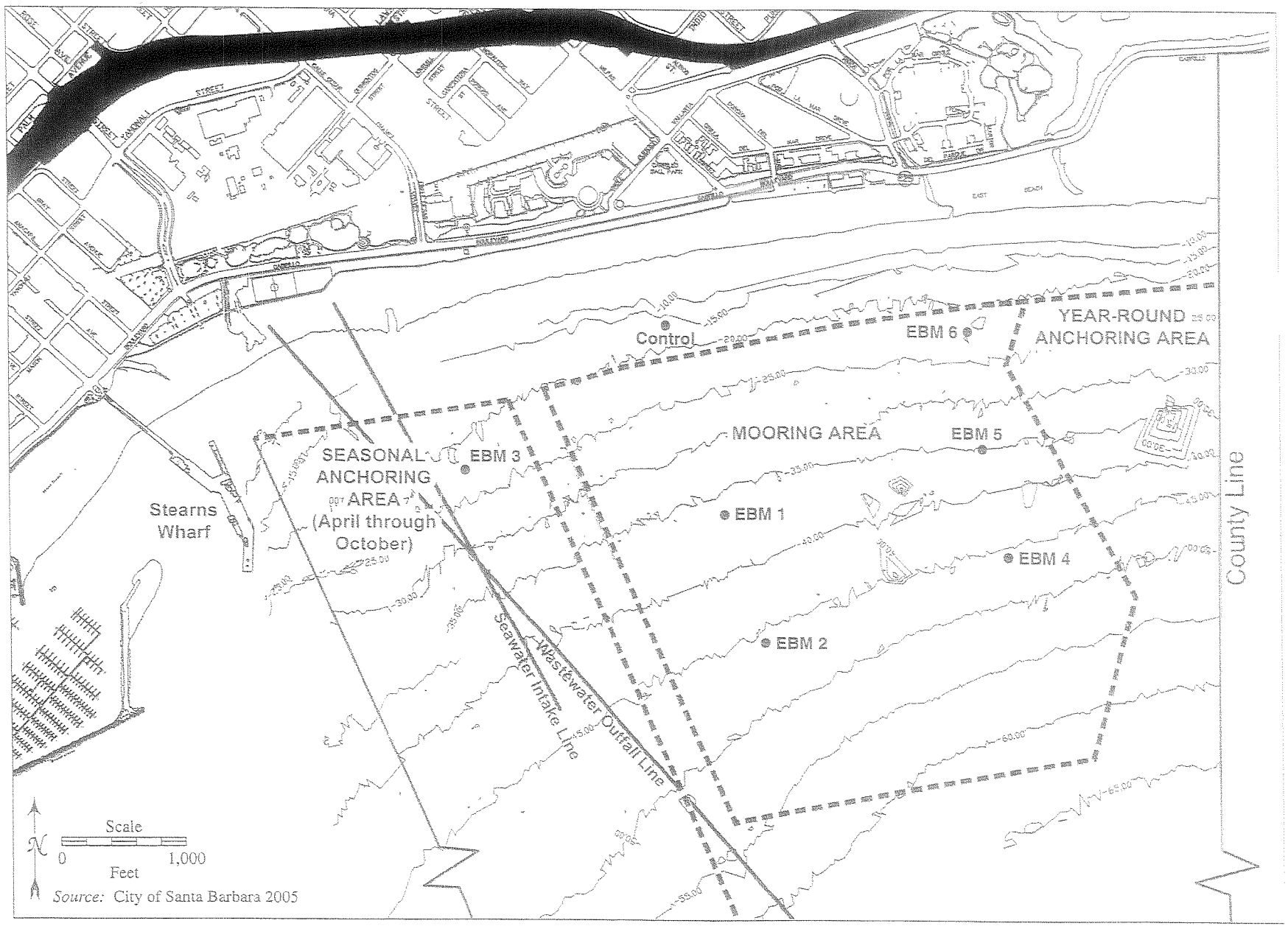

West Beach
Sea Landing
SBH9
SBH11
SBH8
SBH10
SBH12
SBH7
SBH13
City Pier
Marina 2
Marina 3
Marina 4
Marina 1
Breakwater
Stearns
2A
2B
2C
3A
3B
3C
4A
4B
A
B
C
D
E
F
G
H
I
J
K
L
M
N
O
P
Q
R
S

EAST BEACH MOORING
WATER QUALITY TEST RESULTS
JULY 2008 THROUGH JUNE 2009

Total Coliform MPN/100ml				
Station	August	October	April	June
EBM #1	<10	<10	<10	<10
EBM #2	<10	<10	10	<10
EBM #3	<10	20	<10	<10
EBM #4	<10	<10	<10	<10
EBM #5	<10	96	<10	<10
EBM #6	<10	<10	<10	<10
CONTROL	<10	<10	<10	<10
Limit: < 10,000 MPN/100 ml				

Fecal Coliform MPN/100ml				
Station	August	October	April	June
EBM #1	<10	<10	<10	<10
EBM #2	<10	<10	<10	<10
EBM #3	<10	10	<10	<10
EBM #4	<10	<10	<10	<10
EBM #5	<10	<10	<10	<10
EBM #6	<10	<10	<10	<10
CONTROL	<10	<10	<10	<10
Limit: < 400 MPN/100ml				

Enterococcus MPN/100ml				
Station	August	October	April	June
EBM #1	<10	<10	<10	<10
EBM #2	<10	<10	<10	<10
EBM #3	<10	<10	<10	<10
EBM #4	<10	<10	<10	<10
EBM #5	<10	10	20	<10
EBM #6	<10	<10	<10	<10
CONTROL	<10	<10	<10	<10
Limit: < 104 MPN/100ml				



Map 1. Mooring and Anchoring Areas with Sampling Locations (EBM 1-6 and Control)

Dissolved Oxygen Levels in the Harbor

7/24/2008			Near Surface DO	Near Bottom DO
	Station #7	Marina 1A002	4.78 mg/l	5.36 mg/l
	Station #8	Marina 2B300	5.31 mg/l	3.22 mg/l
	Station #9	Marina 3A030	5.44 mg/l	4.63 mg/l
	Station #10	Marina 1M001	5.18 mg/l	4.79 mg/l
	Station #11	West Finger of Launch Ramp	4.22 mg/l	4.01 mg/l
	Station #12	Red Bouy #10, Mouth of Harbor	6.20 mg/l	6.53 mg/l
	Station #13	Control, 100 yards Offshore	9.15 mg/l	8.65 mg/l

8/21/2008			Near Surface DO	Near Bottom DO
	Station #7	Marina 1A002	5.77 mg/l	5.60 mg/l
	Station #8	Marina 2B300	6.09 mg/l	5.83 mg/l
	Station #9	Marina 3A030	5.63 mg/l	5.00 mg/l
	Station #10	Marina 1M001	5.38 mg/l	5.82 mg/l
	Station #11	West Finger of Launch Ramp	5.06 mg/l	4.78 mg/l
	Station #12	Red Bouy #10, Mouth of Harbor	7.09 mg/l	6.68 mg/l
	Station #13	Control, 100 yards Offshore	7.93 mg/l	7.98 mg/l

9/17/2008			Near Surface DO	Near Bottom DO
	Station #7	Marina 1A002	6.03 mg/l	5.74 mg/l
	Station #8	Marina 2B300	5.35 mg/l	5.49 mg/l
	Station #9	Marina 3A030	5.28 mg/l	6.10 mg/l
	Station #10	Marina 1M001	5.78 mg/l	5.66 mg/l
	Station #11	West Finger of Launch Ramp	4.96 mg/l	4.91 mg/l
	Station #12	Red Bouy #10, Mouth of Harbor	7.55 mg/l	7.32 mg/l
	Station #13	Control, 100 yards Offshore	8.15 mg/l	8.25 mg/l

10/23/2008			Near Surface DO	Near Bottom DO
	Station #7	Marina 1A002	4.78 mg/l	4.10 mg/l
	Station #8	Marina 2B300	4.52 mg/l	3.70 mg/l
	Station #9	Marina 3A030	5.24 mg/l	4.72 mg/l
	Station #10	Marina 1M001	4.45 mg/l	5.14 mg/l
	Station #11	West Finger of Launch Ramp	4.27 mg/l	4.34 mg/l
	Station #12	Red Bouy #10, Mouth of Harbor	6.50 mg/l	8.44 mg/l
	Station #13	Control, 100 yards Offshore	8.86 mg/l	8.48 mg/l

11/13/2008			Near Surface DO	Near Bottom DO
	Station #7	Marina 1A002	5.75 mg/l	6.08 mg/l
	Station #8	Marina 2B300	6.30 mg/l	6.12 mg/l
	Station #9	Marina 3A030	6.05 mg/l	5.75 mg/l
	Station #10	Marina 1M001	5.98 mg/l	5.70 mg/l
	Station #11	West Finger of Launch Ramp	5.69 mg/l	5.42 mg/l
	Station #12	Red Bouy #10, Mouth of Harbor	7.01 mg/l	6.84 mg/l
	Station #13	Control, 100 yards Offshore	7.40 mg/l	7.58 mg/l

2/18/2009			Near Surface DO	Near Bottom DO
	Station #7	Marina 1A002	6.40 mg/l	5.48 mg/l
	Station #8	Marina 2B300	6.65 mg/l	5.78 mg/l
	Station #9	Marina 3A030	6.69 mg/l	5.92 mg/l
	Station #10	Marina 1M001	6.81 mg/l	6.00 mg/l
	Station #11	West Finger of Launch Ramp	5.78 mg/l	5.47 mg/l
	Station #12	Red Bouy #10, Mouth of Harbor	7.37 mg/l	7.33 mg/l
	Station #13	Control, 100 yards Offshore	7.87 mg/l	7.61 mg/l

Dissolved Oxygen Levels in the Harbor

3/9/2009		Near Surface DO	Near Bottom DO
Station #7	Marina 1A002	7.58 mg/l	6.83 mg/l
Station #8	Marina 2B300	6.34 mg/l	6.52 mg/l
Station #9	Marina 3A030	6.48 mg/l	6.71 mg/l
Station #10	Marina 1M001	7.43 mg/l	7.37 mg/l
Station #11	West Finger of Launch Ramp	5.89 mg/l	6.37 mg/l
Station #12	Red Bouy #10, Mouth of Harbor	8.46 mg/l	9.20 mg/l
Station #13	Control, 100 yards Offshore	9.79 mg/l	9.83 mg/l

4/23/2009		Near Surface DO	Near Bottom DO
Station #7	Marina 1A002	6.90 mg/l	6.23 mg/l
Station #8	Marina 2B300	5.96 mg/l	5.48 mg/l
Station #9	Marina 3A030	7.47 mg/l	6.64 mg/l
Station #10	Marina 1M001	7.01 mg/l	6.36 mg/l
Station #11	West Finger of Launch Ramp	5.76 mg/l	4.68 mg/l
Station #12	Red Bouy #10, Mouth of Harbor	7.74 mg/l	7.84 mg/l
Station #13	Control, 100 yards Offshore	7.98 mg/l	8.06 mg/l

5/20/2009		Near Surface DO	Near Bottom DO
Station #7	Marina 1A002	6.61 mg/l	7.47 mg/l
Station #8	Marina 2B300	6.33 mg/l	5.44 mg/l
Station #9	Marina 3A030	6.79 mg/l	6.49 mg/l
Station #10	Marina 1M001	6.95 mg/l	5.55 mg/l
Station #11	West Finger of Launch Ramp	6.60 mg/l	6.47 mg/l
Station #12	Red Bouy #10, Mouth of Harbor	8.15 mg/l	8.29 mg/l
Station #13	Control, 100 yards Offshore	9.07 mg/l	9.21 mg/l

6/18/2009		Near Surface DO	Near Bottom DO
Station #7	Marina 1A002	5.54 mg/l	5.47 mg/l
Station #8	Marina 2B300	4.98 mg/l	3.91 mg/l
Station #9	Marina 3A030	5.74 mg/l	5.85 mg/l
Station #10	Marina 1M001	5.15 mg/l	4.46 mg/l
Station #11	West Finger of Launch Ramp	5.65 mg/l	6.01 mg/l
Station #12	Red Bouy #10, Mouth of Harbor	7.64 mg/l	7.78 mg/l
Station #13	Control, 100 yards Offshore	8.55 mg/l	8.53 mg/l

Sea Hawk
PREMIUM YACHT FINISHES

MISSION BAY

Self-Polishing
Nano-Based Technology
4000 Series

NANO-BASED TECHNOLOGY ANTIFOULING

- **Copper and Tin Free**
- **Environmentally Friendly**
- **Nano-Based Technology**
- **UV Reactive Biocide**

MAR 1 8 2010
#11

General Description

Copper-Free self-polishing antifoulant. When exposed to UV light, the Nano-Based technology copolymer releases the active non-metal biocide which dissipates in seconds without bioaccumulation into the environment. Mission Bay may be used on aluminum hulls without the use of a traditional barrier coat system.

Product Information

Colors:	Red, Black, Green, Blue, White
Finish/Sheen:	Semi-Gloss
Converter:	One Pack
Copper Content:	0%
Volume Solids:	45% (±2%)
Solids by Weight:	63%
Mix Ratio:	One Pack
Shipping Weight:	12-13 Lbs./Gal.
Flash Point:	105° F
VOC:	298 Grams/Liter
Film Thickness:	6 mils wet equals 2.7 dry per coat
Recommended Coats:	3 on entire hull
Theoretical Coverage:	267 Sq.Ft./Gal. @ recommended film thickness

Benefits VS. Competition

- Newest Biocide Available
- Safe for Aluminum Hulls
- More Brilliant Colors
- No Mud Cracking
- May Be Applied Over other Ablative Antifoulant Paints (See Compatibility Chart)

Application Details

Method:	Brush, roller or spray
Induction/ Sweat-in Time:	Not Applicable
Thinner:	Sea Hawk 2033
Cleaner:	Sea Hawk 2033
Pot Life:	Not Applicable

Overcoating Interval

	Drying Time (Hrs)			
Substrate Temp.	Touch	Min.	Max.	Launch
73°F (23°C)	2 Hr	1 Hr	N/A	12 Hr
95°F (35°C)	1 Hr	1 Hr	N/A	12 Hr

Consult your Sea Hawk Representative for the system best suited for surfaces to be protected.

NEW NAUTICAL COATINGS, INC.
14805 49th Street North • Clearwater, FL 33762 • 727.523.8053 • 800.528.0997 • FAX 727.523.7325
www.SeaHawkPaints.com

ATTACHMENT #6

Sea Hawk
PREMIUM YACHT FINISHES

MISSION BAY

Self-Polishing Nano-Based Technology Series

Limitations

Apply in good weather when air and surface temperatures are above 50°F (10°C). Surface temperature must be a least 50°F (10°C) above dew point. For optimum application properties, bring material to 70-80°F (21-27°C) temperature range prior to mixing and application. Unmixed material (in closed containers) should be maintained in protected storage between 40° and 100°F (4-38°C).

Prolonged atmospheric exposure of this product may detract from performance.

Technical and application data herein is for the purpose of establishing a general guideline of the coating and proper coating application procedures. As application, environmental and design factors can vary significantly due care should be exercised in the selection, verification of performance, and use of the coating.

Surface Preparation

Paint only clean, dry surfaces. Remove all grease, oil, wax, or other foreign material using SeaHawk S-80, S-90, or detergent washing. (SSPC-SP1).

New Construction: Dependent on yard procedures, consult your Sea Hawk Representative.

Previously Painted Surfaces: If previous coating in know compatible (See SeaHawk Compatibility Chart) and in good condition, scuff sand with 80 grit sandpaper then solvent clean with SeaHawk S-80 Wax "N" Greaser to remove residue. In poor condition remove antifouling with SeaHawk 1280 Marine Stripper.

Application

Apply by brush, roller or spray. Apply 6 mils wet, which will yield 2.7 mils dry per coat.

Brush: China Bristle

Roller: Solvent Resistant Roller Cover 3/8" pile smooth to medium Prewash Roller Cover to remove loose fibers prior to use.

Airless Spray: Minimum 33:1 -2 GPM ratio pump; "0.017-0.026" orifice tip; 3/8" ID high-pressure material hose; 90 PSI line pressure; 60 mesh filter.

Thinning

If thinning is necessary, thin up to a maximum of 10%, with Sea Hawk 2033 only.

Cleanup

Clean all equipment immediately after use with Sea Hawk 2033. It is a good practice to periodically flush out spray equipment during the course of the day. Frequency should depend upon amount sprayed, temperature, elapsed time including delay, etc.

Safety

Prior to use, obtain and consult the "Material Safety Data Sheet" of this product for health and safety information. Read and observe all precautionary notices on container labels.

NEW NAUTICAL COATINGS, INC.
14805 49th Street North • Clearwater, FL 33762 • 727.523.8053 • 800.528.0997 • FAX 727.523.7325
www.SeaHawkPaints.com

City of Santa Barbara
Waterfront Department

www.SantaBarbaraCA.gov

MAR 1 8 2010
#11

August 26, 2009

Administration
Tel: 805.564.5531
Fax: 805.560.7580

Parking
Tel: 805.897.1965
Fax: 805.560.7580

Stearns Wharf
Tel: 805.564.5518
Fax: 805.963.1970

Harbor Patrol
Tel: 805.564.5530
Fax: 805.897.2588

Harbor Maintenance
Tel: 805.564.5522
Fax: 805.966.1431

PO Box 1990
Santa Barbara, CA
93102-1990

Ms. Dorothy R. Rice
Executive Director
State Water Resources Control Board
P.O. Box 100
Sacramento, CA 95812-0100

Re: Proposed Coastal Marinas Permit

Dear Ms. Rice:

As the City of Santa Barbara's Waterfront Director, I am writing to you concerning the proposed Coastal Marinas Permit, which aims to improve water quality in California's coastal harbors and marinas. Although laudable in concept, the proposed permit and the current process by which it is being developed and implemented remain somewhat flawed and could ultimately waste time and money and negatively impact the very harbors whose water quality it seeks to improve. Please consider these comments as you move forward:

1. Many requirements of the proposed Coastal Marinas Permit duplicate programs in place and working in California harbors. For example, the *Clean Marinas California Program*, a focused, diligent, industry-initiated effort that endeavors to ensure environmentally clean facilities and protect coastal and inland waters from pollution through compliance with best management practices, has since 2004 certified 80 "Clean Marinas" in California. Accounting for Clean Marina Certification should be included in the proposed permit program.

2. Please consider exemptions from the Coastal Marinas Permit requirement for ports and harbors operating under approved Storm Water Pollution Prevention Plans (SWPPPs) and/or Storm Water Management Plans (SWMPs). Our staff has compared the proposed Marina Permit with our existing SWPPP and SWMP and noted significant duplication of intent, as well as requirements for monitoring and adherence to best management practices. Conditions and requirements in our SWMPPP and SWMP have proven to effectively maintain good water quality, demonstrated by years of data for Santa Barbara Harbor, a non-impaired water body. These existing permits and plans are effective and need no duplication.

3. Sampling and analysis requirements proposed under the Coastal Marinas Permit are so comprehensive and frequent that they will require, a) outside private consulting contract assistance to complete; and b) tremendous staff time to address. Either or both of these requirements pose a serious threat to already-thin municipal budgets. These protocols should be modified.

ATTACHMENT #7

4. The Coastal Marinas Permit is being introduced with very little opportunity for public input like the kind received in public workshops or forums where an exchange of ideas (not simply announcement of intended plans) fosters creativity, trust and cooperation. The fact that this plan is being developed at the staff level with very little cross-discussion with affected interests is disturbing to say the least. I respectfully suggest that a statewide series of workshops on the proposed Coastal Marina Permit is in order. These should be conducted before the proposed Program is complete, not after.

5. The Coastal Marinas Permit, as currently designed, holds marinas responsible for all boater activity plus whatever drifts into a marina from outside sources. Holding marinas solely responsible for pollution they did not generate or from off site sources is unfair and unacceptable.

6. The Coastal Marinas Permit is currently configured as a "one size fits all" fix for water quality issues in harbors and marinas. This may be a convenient or consistent approach, but each harbor and marina has specific boating activities, watershed influences, vessel densities, tidal flows, industrial uses and other variables unique to that facility that influence its water quality. This suggests the wisdom of having the Program administered by Regional Water Quality Boards, not the State Water Resources Control Board. In addition, has any thought, for example, been given to the idea of separating requirements for impaired and non-impaired water bodies?

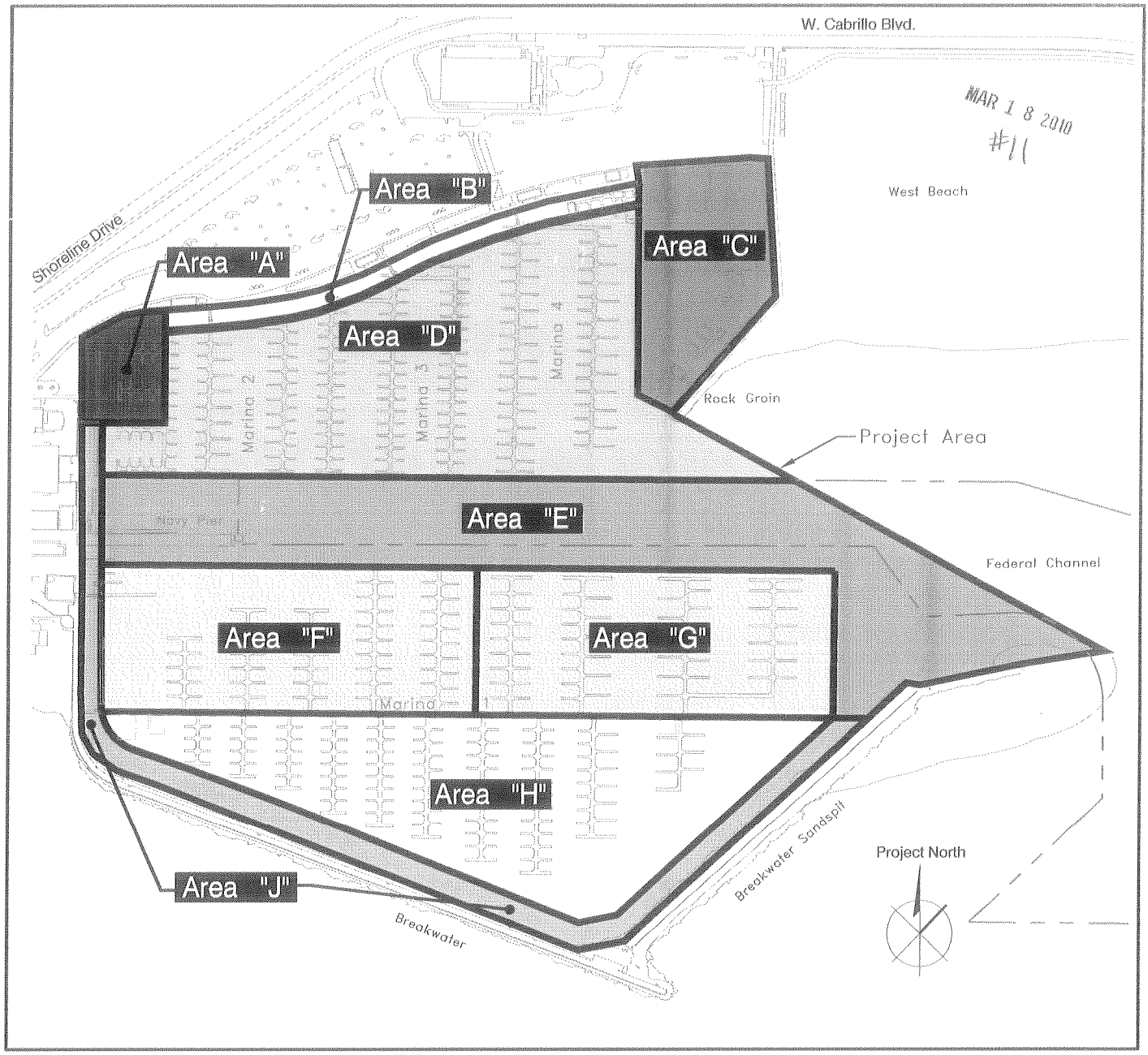
7. In discussions with Department of Pesticide Regulation staff, the possibility of re-evaluating toxicity levels for various pollutants, especially copper, has been raised. This issue should be addressed before the Program is finalized, as updated findings could affect perceived impacts to ports and harbors.

In conclusion, there seems to remain a host of questions and issues surrounding the proposed Coastal Marinas Permit. The City of Santa Barbara Waterfront staff stands ready to assist and work toward a viable, useful, beneficial Coastal Marina Permit process and program. As such, I thank you for reviewing issues raised in this letter and look forward to your timely reply.

Sincerely,

John N. Bridley
Waterfront Director

Cc: State Water Resources Board Members
Executive Director, Central Coast Regional Water Quality Control Board
Central Coast Regional Water Quality Control Board Members



Cleanup Date: _____ Operator: _____

Cleanup Hours: _____

Debris Profile:

- Area "A"
- Area "B"
- Area "C"
- Area "D"
- Area "E"
- Area "F"
- Area "G"
- Area "H"
- Area "J"

General Comments:

ATTACHMENT #8