

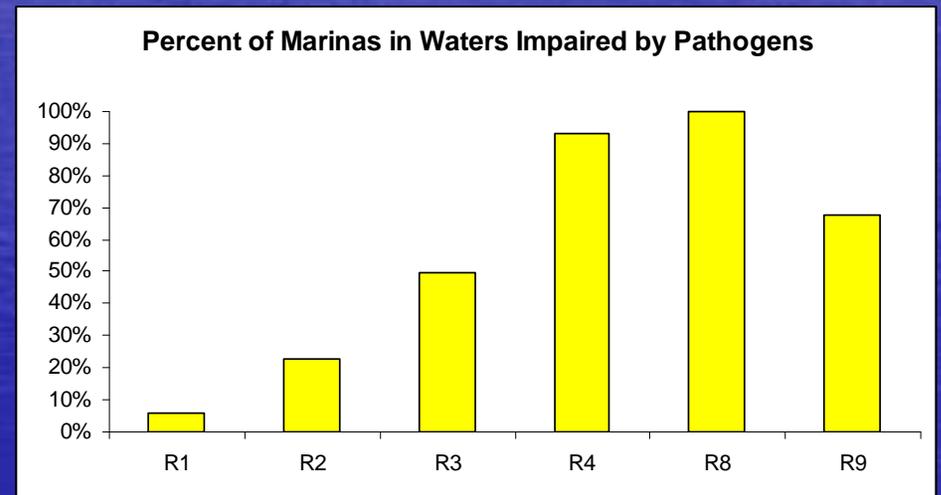
# Framework for the Development of a California-Coastal Marinas Permit issued by the SWRCB

Marinas and Recreational Boating  
IACC

April 2, 2009

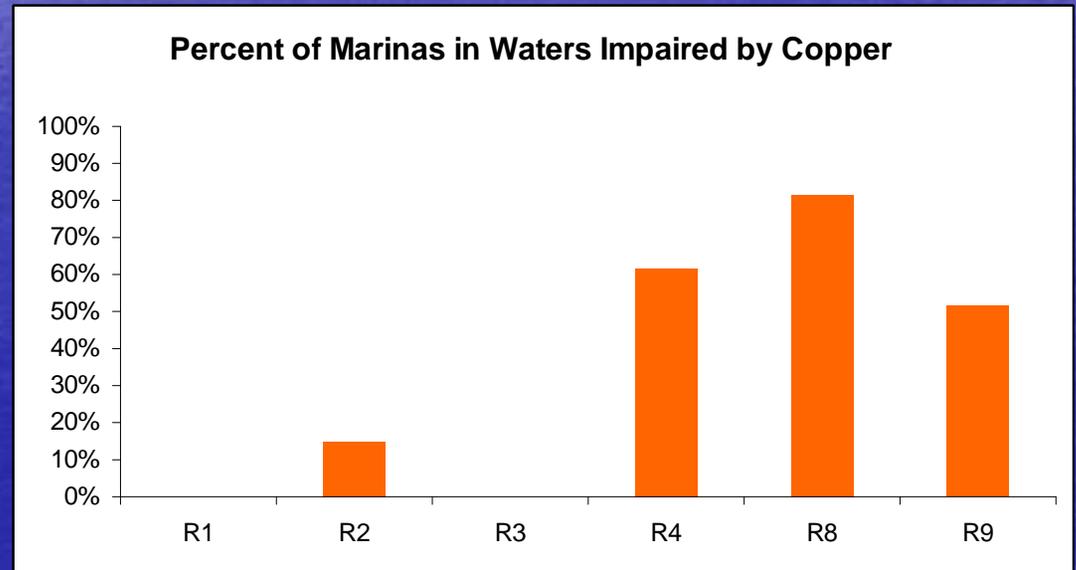
# Common pollutants related to Marina Operations: bacteria/pathogens

| <i>Marinas in water bodies listed on CWA 303d list</i> |   | Pathogens |
|--|---|-----------|
| R1   | N | 1         |
| 17 Marinas   | % | 6%        |
| R2   | N | 20        |
| 88 Marinas   | % | 23%       |
| R3   | N | 7         |
| 14 Marinas   | % | 50%       |
| R4   | N | 53        |
| 57 Marinas   | % | 93%       |
| R8   | N | 27        |
| 27 Marinas   | % | 100%      |
| R9   | N | 25        |
| 37 Marinas   | % | 68%       |
| R1,2,3,4,8,9   | N | 133       |
| 243 Marinas  | % | 55%       |



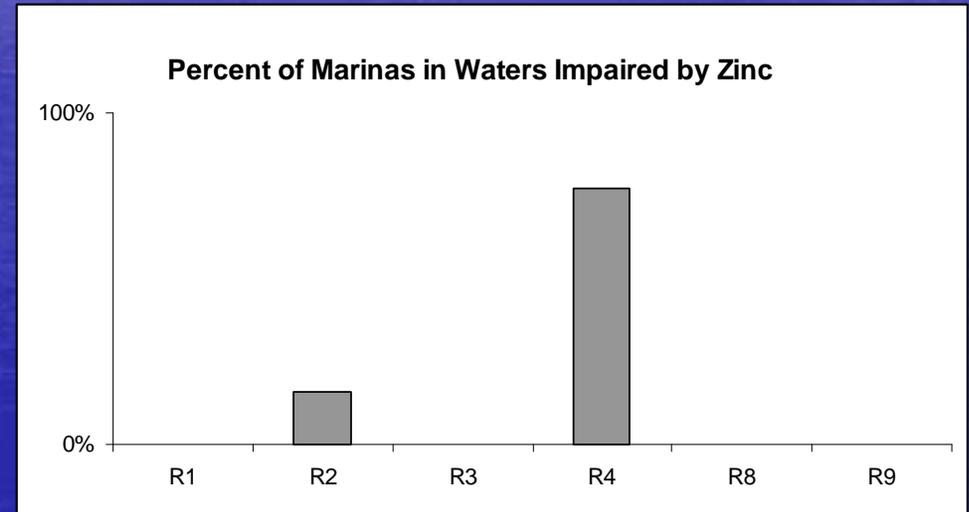
# Common pollutants related to Marina Operations: copper

| <i>Marinas in water bodies listed on CWA 303d list</i> |   |  | Copper |
|--|---|--|--------|
| R1   | N |  | 0      |
| 17 Marinas   | % |  | 0%     |
| R2   | N |  | 13     |
| 88 Marinas   | % |  | 15%    |
| R3   | N |  | 0      |
| 14 Marinas   | % |  | 0%     |
| R4   | N |  | 35     |
| 57 Marinas   | % |  | 61%    |
| R8   | N |  | 22     |
| 27 Marinas   | % |  | 81%    |
| R9   | N |  | 19     |
| 37 Marinas   | % |  | 51%    |
| R1,2,3,4,8,9   | N |  | 89     |
| 243 Marinas  | % |  | 37%    |



# Common pollutants related to Marina Operations: zinc

| <i>Marinas in water bodies listed on CWA 303d list</i> |   |     | Zinc |
|--|---|-----|------|
| R1   | N | 0   |      |
| 17 Marinas   | % | 0%  |      |
| R2   | N | 14  |      |
| 88 Marinas   | % | 16% |      |
| R3   | N | 0   |      |
| 14 Marinas   | % | 0%  |      |
| R4   | N | 44  |      |
| 57 Marinas   | % | 77% |      |
| R8   | N | 0   |      |
| 27 Marinas   | % | 0%  |      |
| R9   | N | 0   |      |
| 37 Marinas   | % | 0%  |      |
| R1,2,3,4,8,9   | N | 58  |      |
| 243 Marinas  | % | 24% |      |



# Purpose for Statewide Coastal Marinas Permit

- Implementation mechanism for TMDLs
- Implementation mechanism for management practices aimed at controlling pollutants related to marina activities in impaired waters.

| Region | Waterbody Name                                 | Pollutant             | SWRCB Resolution No. (TMDL approved) |
|--------|--|-----------------------|--------------------------------------|
| 3      | Morro Bay                                      | Pathogens             | 2002-0117,<br>2003-0060              |
| 4      | Ventura Harbor and Ventura Keys                | Pathogen/<br>Bacteria | 2007-017                             |
| 4      | Los Angeles Harbor - Inner Cabrillo Beach Area | Indicator<br>Bacteria | 2004-011                             |
| 4      | Marina del Rey Harbor - Back Basins            | Copper<br>(sediment)  | 2005-012                             |
| 4      | Marina del Rey Harbor - Back Basins            | Zinc<br>(sediment)    | 2005-012                             |
| 4      | Marina del Rey Harbor - Back Basins            | Indicator<br>Bacteria | 2006-009                             |
| 8      | Newport Bay                                    | Fecal<br>coliform     | 1999-10                              |
| 9      | San Diego Bay, Shelter Island Yacht Basin      | Copper<br>(dissolved) | 2005-0019                            |
| 9      | San Diego Bay, Shelter Island Shoreline Park   | pathogens             | 2008-0027                            |
| 9      | Dana Point Harbor                              | pathogens             | 2008-0027                            |

# SWRCB Resolution 2006-006: amendment to the TMDL for toxic pollutants in Marina del Rey Harbor

The State Water Board finds, in view of increasing impairment of coastal marinas from copper-based antifouling paints, that there is a need for statewide consistency in regulation.

# Waste Discharge Requirement

## Will apply to:

- Marinas and mooring fields in coastal regions of California that contain slips or mooring locations for 10 or more boats shall be subject to this General Permit.
- Houseboats, vessels primarily rigged for use as a residence rather than for transportation, may also be docked at marinas and are covered in this General Permit.

## Will NOT apply to:

- Marinas used for military purposes; however, marinas intended for recreational use by the military in the applicable water bodies are regulated under this General Permit.
- Moorings and Marinas located inland in fresh waters such as the San-Joaquin Delta, lakes and reservoirs.
- Establishments primarily engaged in the operation of charter or party fishing boats.
- Establishments primarily engaged in the operation or rental of small, non-motorized recreational boats.
- Storm water discharges associated with industrial activities that are covered under a NPDES permit.

# Legal precedence for regulating Marinas vs. individual boaters

Individual boat hulls are individual sources of waste to surface waters. Marinas congregate the individual sources of waste and become a concentrated source of residual copper discharges into surface waters. Therefore the marinas themselves are cumulative dischargers of waste. Thus, these discharges are appropriately regulated through the State Board's administrative tools. Legal precedence for regulating individual sources of waste through the congregating facility has been set by regulations for confined animal feedlot operations, stormwater (MS4 permits), and outdoor shooting ranges.

# Applies to discharges that result from the following activities:

- Sewage pump-out facility operations.
- Illegal use of marine sanitation devices.
- Fuel station operations.
- General marina operations that result in the deposition of debris on the ground and light enough to be swept away by flowing storm water and/or air currents into marina waters.
- Underwater boat hull cleaning.
- Topside boat maintenance and cleaning.
- Year-round docking of boats in water bodies with poor or reduced flushing.

# Marina Pollution Prevention Plan (MPPP)

- Identify and evaluate sources of pollutants associated with activities being conducted at the marina that have the potential to be discharged to surface waters.
- Identify and implement site-specific management practices to reduce or prevent pollutants associated with marina activities from discharging into surface waters.

# Marina Monitoring and Reporting Component

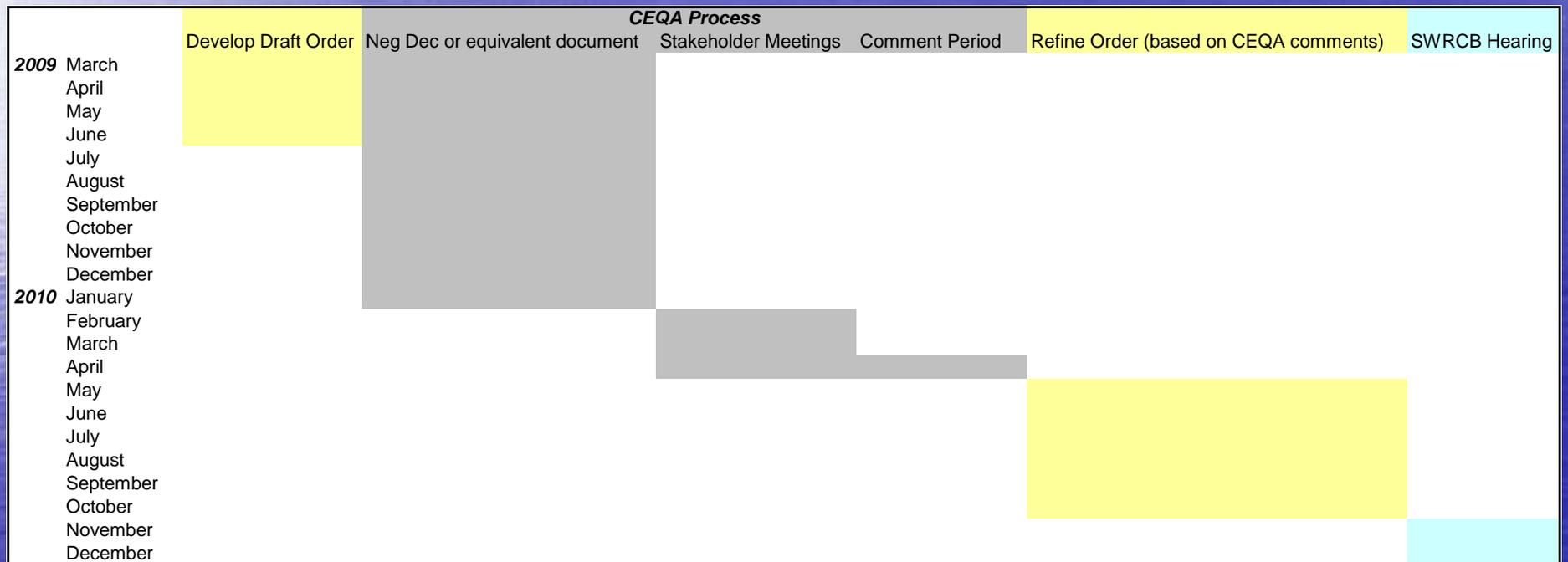
- Determine compliance with permit terms and conditions.
- Determine compliance with water quality objectives.
- Determine the effectiveness of Marina Pollution Prevention Plans (MPPPs) and associated management practices.

# SWRCB Soliciting Input from Marina & Recreational Boating IACC

To review the draft Marina Monitoring and Reporting Program and provide comments:

- A meeting will be facilitated by Gita Kapahi with the Office of Public Participation on May 20<sup>th</sup> from 10-12 and, if necessary from 1-3 in CalEPA Room 1510, call in No. 916-227-1132.

# Permit Adoption Timeframe 2009 - 2010



# SWRCB Soliciting Input from Marina & Recreational Boating Community through CEQA Public Participation Process.

Three (3) Stakeholder Meetings in 2010 to be facilitated by the Office of Public Participation:

- February in San Diego
- March in Ventura
- April in San Francisco

# Contact:

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State Water Resources Control Board

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