

EVALUATION COMPILED SUMMARY of 3 Workshops

**Balancing Fouling Control Strategies for Managing Invasive Species and Water Quality:
The Roles of Hull Coatings and Hull Cleaning**

CAHMP Long Beach Oct. 17, 2012;

Boater AIS Workshops with DBW,DFW,USFWS: San Pablo May 14, 2013 & MDR June 13, 2013

CAHMP LONG BEACH ONLY:

States of Respondents: CA=20, IL=1, OR=1, WA=1, one did not indicate
CA Counties: Orange=2, Los Angeles=4, Ventura=2, San Luis Obispo=1, Alameda=1, Marin=1, Contra Costa=3, San Joaquin=1 Illinois: Des Plaines; OR and WA did not give cities

Gained useful information (N=24) Yes: 95.7% No 4.3 %

ALL 3 WORKSHOPS:

Number Eval Respondents: 60 # Attending: 90 people (64 orgs); 72W, 4B, 9H, 5A; 63M, 27F
(24 evals/29 ppl CAHMP/Long Beach; 15 evals/24 ppl Marina Del Rey; 21 evals/37 ppl San Pablo)

I learned new information about the following topics listed below: (N=60)

(Please check one column for the amount learned about each topic.) (scale 5= high, 1= low)

	%
The influence of hull coatings on fouling growth	81.7
Effectiveness of copper antifouling paint in controlling fouling over longer term	83.3
The need for multiple tactics in controlling fouling	73.3
Fouling control strategies can include chemical, physical, mechanical and/or cultural tactics	73.3
Fouling control strategies should be tailored to conditions where the boat is kept and to how it is used.	70.0
Boating is one vector for spreading NIS along the coast	55.0
Particular non-native invasive species (NIS) of concern in California	65.0
Some non-native invasive species create nontoxic surface by covering copper paint	76.7
CA hull cleaning BMPs do NOT stimulate new fouling growth	76.7
Frequent, gentle cleaning can prolong the life of the coating	61.7
Adjusting hull cleaning frequency by season	66.7
The importance of cleaning before leaving & returning on trips beyond home region	65.0
The need to balance boat performance, water quality & controlling NIS	51.7

The following percentages are based on N=52-54.

<i>I intend to discuss with customers/other boaters/industry professionals: (Please check one column for each topic.) PERCENTAGE OF RESPONDENTS</i>	<i>Yes</i>	<i>No</i>	<i>Not Sure</i>	<i>Already Do</i>
Hull coating choice should be based on specific conditions in slip and boat use patterns	49.1	15.1	13.2	20.8
Hull cleaning schedule should be based on specific conditions in slip and boat use patterns	42.3	17.3	13.5	25.0
Why preventing the spread of non-native invasive species is important	60.4	0.0	7.5	30.2

Cleaning boat hull before leaving & returning from trip outside the home region reduces risk of spreading non-native invasive species	50.0	1.9	14.8	31.5
Fouling control strategies should include multiple tactics	64.2	5.7	7.5	20.8

Groups to which participants belonged: (Includes some multiple responses as some attendees also own a boat and/or belong to an association or organization.)

35.0% Recreational Boat Owner

15.0% Marina or Yacht Club Manager

1.7% Boat Repair Yard Company

3.3% Paint or Coating Company

1.7% Port or Harbor Commissioner

1.7% Other Elected/Appointed Official

0.0% University Researcher

15.0% Boating Association

0.0% Trade Association Manager

11.7% Environmental Organization

0.0% Hull Cleaner

13.3% Port or Harbor Authority Staff

31.7% Other Government Agency Staff

5.0% Consultant

Other:

16.8% US Coast Guard Auxiliary

15.0% Northern CA Lake and Water District Staff

1.7% Manufacturer of wood products for marina industry

1.7% Marina industry trade magazine

1.7% Project WET/WET Foundation and Water Educator's Group

Other Useful Information:

CAHMPC Long Beach:

Educational brochure for boaters on cleaning hull before travel and return

Importance of cleaning hull before travel and return

More paint information

Multi-prong tactic for hull cleaning

Boater AIS Marina Del Rey:

Anything boating, water and safety related

More focused biological and trophic level impacts in marine & fresh water.

Mandatory cleaning when leave and enter foreign waters

Would be nice to see sample of some invasive algae & tubeworms.

Boater AIS San Pablo:

3: AIS updates, what to look for on boat, damage by AIS

1 each: Boating safety, Freshwater, Almost anything

Comments:

CAHMPC Long Beach:

Respondent had heard much of the info at our prior talks (Yet, we presented much new info.)

Balance BMPs w/real world; world-travelling boaters can't afford haulout between countries

How to ensure boaters clean before travel and return

Convincing boaters of BMPs for hull issues is huge task
Copper paint and hull cleaning 1-2 times/year is good
Impact of commercial vessels: container, cargo, military
Great info – thank you!
Thanks
Keep up the good work

Boater AIS Marina Del Rey:

Great team of presenters, good information, professional
It was run very well and time was used effectively
Thankyou for wonderful workshop.
Thanks for this informative workshop.

Boater AIS San Pablo:

5: Topics important, (2) workshop informative, helpful, thanks
3: well organized, well produced, pacing on time
1: too broad based