

## **Introduction**

As part of the California Coastal Commission's state-wide Clean and Green Campaign, the Santa Monica Bay Restoration Foundation conducted a phone survey to identify the gaps in existing oil collection, spill prevention, and hazardous waste collection services provided by marinas and fuel docks for boaters. Ninety marina managers, dockmasters, and harbor masters in LA, Orange, and San Diego Counties were contacted between August, 1999 and January, 2000, and of those 69 agreed to participate in the survey. The primary focus of the survey was two-fold: 1) to determine the types of services that exist for boaters in these county harbors, and 2) to identify areas where recycling and waste disposal services are still needed by boaters.

Marina and fuel dock personnel were asked about the availability of absorbent pads, used oil collection/recycling services, hazardous waste disposal and bilge pumpout facilities, and fueling services for boaters and boat tenants.

## **Findings**

The overall results show that less than half (45%) of the marinas/fuel docks offer used oil disposal opportunities, and even less (14%) offer disposal facilities for paints, solvents, and other hazardous wastes. However, 52% of the marinas/fuel docks surveyed do provide bilge pads, whether free or for a fee. These bilge pads are also being recycled at the locations they were originally distributed. This is significant in that it closes the loop by providing boaters with a single pick up and drop off location. The most surprising result is that there is only one oily bilge water pumpout station in each of Los Angeles and Orange Counties, and none in San Diego County. Given the large number of boaters in Southern California, it is a facility desperately needed.

## **Conclusion**

It is encouraging that virtually all of the fuel docks surveyed provide absorbent pads for boat bilges and accidental spills. The survey did not assess the number of bilge pads both distributed and collected by fuel docks, thus it was not possible to compare these rates. Certainly, such information would help to close the gap in our understanding of and accounting for disposal of used bilge pads.

It would be worth noting whether marina personnel knew of or could recommend nearby, existing recycling and disposal facilities if not providing such facilities themselves. Such information would help in assessing whether boaters were informed of alternative disposal opportunities.

In developing a comprehensive educational campaign, posting signs regarding fuel and oil spills at launch ramps and fuel docks is beneficial. The audience is captive, in a sense, and may take the time to read signs while waiting for their turn to launch or refuel their boats. Based on the low number of marinas and fuel docks actually providing recycling/disposal opportunities, more facilities are needed where boaters would be motivated to use them.

Block Grant funds, based on the \$0.16 tax placed on each gallon of oil, are available to cities and counties statewide. These funds can be used to develop or enhance used oil and bilge pad collection services, and even to provide bilge pads for free to boaters. Marinas interested in developing such a collection program are urged to work with their city or county to explore this opportunity.

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*Appendix 1 – Facility Survey*

*Appendix 2 – Facility Survey—Summary of Results*

*Appendix 3 – Table of Responses*

This survey was developed by the California Coastal Commission and the San Francisco Bay Conservation and Development Commission, and conducted by the Santa Monica Bay Restoration Foundation (SMBRF) as part of the “California Boating Clean and Green Campaign.” The Campaign, a three year state-wide boater education and technical assistance project, conducts outreach to boaters regarding environmentally sound boating practices and provides assistance to local jurisdictions and marine businesses in establishing programs to reduce boating pollution. The Campaign is conducted by the California Coastal Commission with assistance from the SMBRF and financed, pursuant to an interagency agreement, by the California Integrated Waste Management Board’s Used Oil Recycling Program.

Questions and comments regarding this survey or the California Boating Clean & Green Campaign may be addressed to:

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San Francisco, CA 94105  
(415) 904-5200

Santa Monica Bay Restoration  
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320 W. Fourth Street, 2<sup>nd</sup> Floor  
Los Angeles, CA 90013  
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For more boating information, visit the California Clean Boating Network web site at <http://www.ceres.ca.gov/coastalcomm/web/ccbn/ccbndx.html>

## Introduction

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As part of the California Coastal Commission's state-wide "Clean & Green" Campaign, the Santa Monica Bay Restoration Foundation (SMBRF) conducted a phone survey to identify the gaps in existing oil collection, spill prevention, and hazardous waste collection services provided by marinas and fuel docks for boaters. Ninety different marinas and fuel docks throughout Los Angeles, Orange, and San Diego Counties were contacted over a six-month period from August, 1999 – January, 2000. Of those, 69 agreed to participate in the survey (See Table 1). The primary focus of the survey was two-fold: 1) to determine the types of services that already exist for boaters in these county harbors, and 2) to identify areas where recycling and waste disposal services are still needed by boaters.

Los Angeles County marinas and fuel docks were surveyed in the following harbors:

- Marina del Rey Harbor
- Redondo Beach Harbor
- Los Angeles Harbor
- Long Beach Harbor

Orange County marinas and fuel docks were surveyed in the following harbors:

- Huntington Harbour
- Newport Beach Harbor
- Dana Point Harbor

San Diego County marinas and fuel docks were surveyed in the following harbors:

- Oceanside Harbor
- Mission Bay
- San Diego Bay

This report contains four sections. The first section, *Methodology*, describes how the

survey was designed and implemented. The second section, *Survey Results*, provides a summary of the answers to the questions in the survey, broken down by county. The third section, *Findings*, highlights some of the key observations of both survey process and results. The last section, *Conclusion*, summarizes the findings and provides a few recommendations for future efforts.

Although it is beyond the scope of the contract under which this survey was conducted, its results will no doubt have a long-term impact on the boating community. Ultimately, the findings will pave the way for increased recycling and disposal services in these counties, and the data will be available for cities in these counties to help them select the most needed services for recreational boaters.

**Table 1**

Los Angeles County	Orange County	San Diego County
Al Larson Marina <sub>d</sub> Alamitos Bay Marina * <sub>d</sub> Avalon, Catalina * Bar Harbor <sub>a</sub> Bay Club Marina <sub>a</sub> California Yacht Marina (Cabrillo) * <sub>c</sub> California Yacht Marina (Port Royal) <sub>b</sub> California Yacht Marina (Wilmington) <sub>c</sub> Catalina Yacht Anchorage <sub>a</sub> Cerritos Yacht Anchorage <sub>c</sub> Dolphin Marina <sub>a</sub> Downtown Marina <sub>d</sub> Holiday Harbor Marina <sub>c</sub> King Harbor Marina <sub>b</sub> Leeward Bay Marina <sub>c</sub> Marina City Club Marina <sub>a</sub> Marina Harbor Anchorage <sub>a</sub> Mariner's Bay Apts. <sub>a</sub> Neptune Marina <sub>a</sub> Newmarks Yacht Center <sub>c</sub> Redondo Beach Marina <sub>b</sub> SMYC Marina <sub>a</sub> Two Harbors, Catalina * Villa del Mar <sub>a</sub> Yacht Haven Marina <sub>d</sub>	Anchorage Apts & Swales Anchorage <sub>f</sub> Carlsberg Management Co. <sub>f</sub> Dana Point Marina Co. <sub>g</sub> Dana West Marina <sub>g</sub> Deanza Bayside Village <sub>f</sub> Embarcadero Marina <sub>g</sub> Huntington Harbour Marina <sub>e</sub> Lido Peninsula Marina <sub>f</sub> Newport Arches Marina <sub>f</sub> Newport Beach Bellport Group <sub>f</sub> Newport Dunes Marina <sub>f</sub> Peter's Landing Marina <sub>e</sub> Sunset Aquatic Marina <sub>e</sub>	Bahia Hotel Marina <sub>i</sub> Bay Club Hotel & Marina <sub>j</sub> Cabrillo Isle Marina <sub>i</sub> California Yacht Marina (Chula Vista) <sub>j</sub> Campland on the Bay Marina <sub>i</sub> Chula Vista Marina <sub>i</sub> Chula Vista Yacht Harbor <sub>j</sub> Fiddler's Cove Marina <sub>j</sub> Glorietta Bay Marina <sub>i</sub> Gold Coast Anchorage <sub>i</sub> Half Moon Anchorage <sub>i</sub> Harbor Island West Marina <sub>i</sub> Islandia Marina <sub>i</sub> Loews Marinas <sub>i</sub> Marina Cortez <sub>i</sub> Marina Village Marina <sub>i</sub> Oceanside Harbor * <sub>h</sub> Seaforth Marina <sub>i</sub> Shelter Cove Marina <sub>i</sub> Sheraton Harbor Island <sub>i</sub> Sun Harbor Marina <sub>j</sub> Sunroad Resort Marina <sub>i</sub>
Marina Fuels—Unocal <sub>a</sub> Rocky Point Marine Fuels <sub>c</sub> * 4 fuel docks affiliated with these marinas	Dana Point Fuel Dock <sub>g</sub> Hill's Standard Station <sub>f</sub> Mariners Point Fuel Dock <sub>e</sub>	Cortez Fuel Dock <sub>j</sub> Harbor Island West Fuel Dock <sub>j</sub> High Seas Fuel Dock <sub>j</sub> Islandia Sportfishing & Fuel Dock <sub>i</sub> Pearson's Marine Fuel Dock <sub>j</sub> * One fuel dock affiliated with this marina

a. Marina Del Rey Harbor  
 b. Redondo Beach Harbor  
 c. Los Angeles Harbor  
 d. Long Beach Harbor

e. Huntington Harbour  
 f. Newport Beach Harbor  
 g. Dana Point Harbor

h. Oceanside Harbor  
 i. Mission Bay  
 j. San Diego Bay

## Section I - Methodology

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The survey form used for this assessment was developed by the California Coastal Commission as part of its comprehensive state-wide *Clean and Green Campaign*, which targets boating communities throughout California. The survey was first conducted in Northern California in early 1999, and then modified for use in Southern California later that year.

The SMBRF contacted a total of 90 marina managers, dockmasters, and harbormasters in three counties<sup>1</sup> by phone over a six-month period to participate in the survey. Of these, 69 agreed to provide information (Table 1). Once contact was made, SMBRF staff introduced themselves and proceeded to explain the purpose of the survey and the information they hoped to obtain as a result. Each person contacted was then asked to participate by sharing specific information about their marina's waste disposal collection services.

Marina and fuel dock personnel were asked about the availability of absorbent pads, used oil collection/recycling services, hazardous waste disposal and bilge pumpout facilities, and fueling services for boaters and boat tenants. A sample survey form is provided in Appendix 1.

Most of the respondents were eager to participate in the 10-minute question and answer session and provided valuable information directly over the phone. In a few cases, however, respondents stated that it would be more convenient for

them to provide answers to the survey via fax. A small number of marina and fuel dock personnel declined to participate.

The results of the survey have been recorded and are presented in the following section. An overall summary is provided first, followed by a breakdown of responses from marinas/fuel docks in each county. Appendices 2 and 3 contain the summary of results and raw data, respectively.

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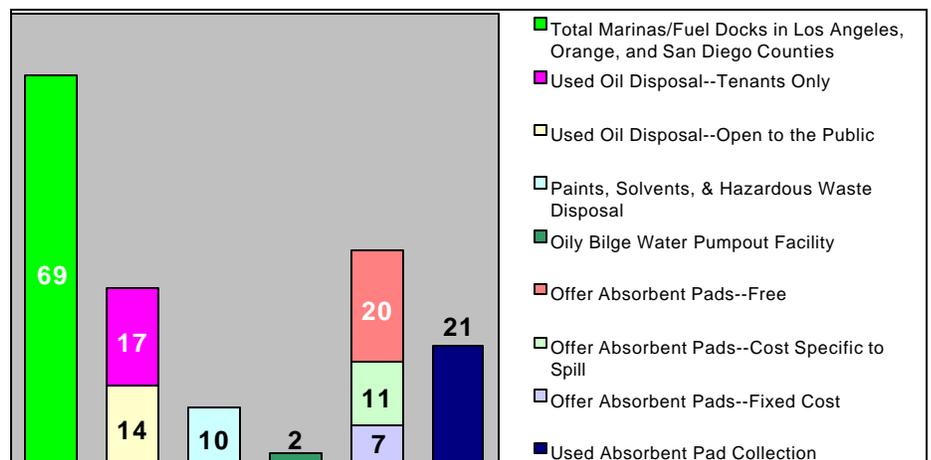
<sup>1</sup> Los Angeles County, Orange County and San Diego County

## Section II - Survey Results

Of the 90 marinas/fuel docks contacted in these counties, a total of 69 participated in the survey (77%)—27 in Los Angeles County, 16 in Orange County, and 26 in San Diego County. The results are broken down first by the overall number of marinas/fuel docks providing various disposal opportunities and services, and then by individual counties. They are as follows:

### Overall

- 31 of the 69 marinas/fuel docks surveyed provide used oil disposal opportunities to boaters.
  - 14 are open to the public
  - 17 are for tenants only
  - 3 offer the \$.16 rebate/gallon (or \$.04 /quart)
  - Combined, these 31 marinas/fuel docks collect approximately 9,307 gallons of oil/month
  - 17 expressed interest in being included on a marina map showing locations for used oil collection, bilge pumpout and sewage pumpout services
  
- 10 marinas/fuel docks provide disposal opportunities for paints, solvents, and other hazardous wastes
  
- 2 marinas/fuel docks provide facilities for pumping out oily bilge water
  
- While 38 of the 71 marinas/fuel docks have absorbent pads for tenant to use in their bilge or for spills,
  - 11 provide them for emergencies only and charge a cost related to the spill
  - 20 offer the pads for free and 7 charge tenants/users a fixed cost
  - 21 collect used pads for disposal
  - The number of used pads collected by each marina/fuel dock varies greatly, ranging from 0-500 pads/month
  
- Of the 15 fuel docks associated with harbors/marinas in the three target counties:
  - 13 have full-time attendants on the fuel dock
  - 11 have an attendant or employee operating the fuel pumps (i.e., full serve)
  - 14 have pumps with automatic shut off valves
  - 14 have absorbent pads available on the fuel dock
  - 9 have signs posted regarding the prevention of oil and fuel spills

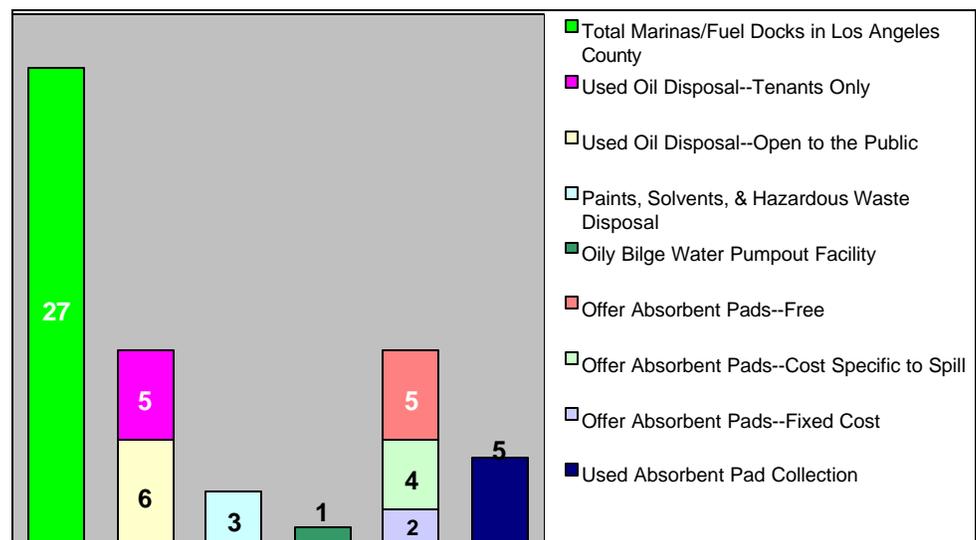


**Figure 1a.** Total number of marinas/fuel docks in Los Angeles, Orange, and San Diego Counties and distribution of the various services available.

## Los Angeles County

- 11 of the 27 marinas/fuel docks surveyed in Los Angeles County provide used oil disposal opportunities to boaters
  - 6 are open to the public
  - 5 are for tenants only
  - 1 offers the \$.16 rebate/gallon
  - Combined, these 11 marinas/fuel docks collect approximately 1,182 gallons of oil/month
  - 4 expressed interest in being included on a marina map showing locations for used oil collection, bilge pumpout and sewage pumpout services
- 3 marinas/fuel docks provide disposal opportunities for paints, solvents, and other hazardous wastes
- 1 marina has a facility for pumping out oily bilge water
- Of the 11 of the marinas/fuel docks that have absorbent pads for tenants to use for spills or in their bilge:
  - 5 offer them for emergencies only
  - 5 offer them for free
  - 6 charge tenants a fixed cost, or a cost specific to the spill
  - 5 collect used pads
  - The number of used pads collected by each marina varies, but is very low (ranging from 0-20 pads/month)
- Of the 6 fuel docks associated with harbors/marinas in Los Angeles County:
  - 6 have full-time attendants on the fuel dock during business hours
  - 4 have an attendant or employee operating the fuel pumps (i.e., full service)
  - 6 have pumps with automatic shut-off valves
  - 5 have absorbent pads available on the fuel dock
  - 2 have signs posted regarding the prevention of oil and fuel spills

- Out of the 27 marinas/fuel docks surveyed in Los Angeles County, only 4 did not have a boat launch ramp or hoist nearby; it is estimated that approximately 925 boats use these ramps on a typical summer weekend day.

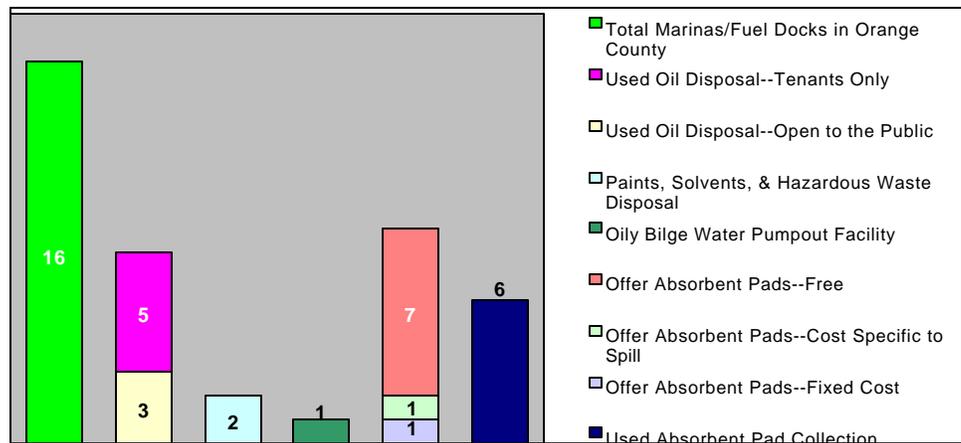


**Figure 1b.** Total number of marinas/fuel docks in Los Angeles County and distribution of the various services available.

## Orange County

- 8 of the 16 marinas/fuel docks surveyed in Orange County offer used oil disposal opportunities to boaters
  - 3 are open to the public
  - 5 are for tenants only
  - 1 offers the \$.16 rebate/gallon
  - Combined, these marinas/fuel docks collect approximately 1,517 gallons of oil/month
  - 6 expressed interest in being included on a marina map showing locations for used oil collection, bilge pumpout and sewage pumpout services
  
- 2 of the 16 marinas/fuel docks surveyed provide disposal opportunities for paints, solvents, and other hazardous wastes
  
- 1 marina has a facility for pumping out oily bilge water
  
- Out of the 9 marinas/fuel docks that have absorbent pads for tenants to use for spills or in their bilge:
  - 1 offers them for emergencies only
  - 7 offer them for free
  - 2 charge tenants a fixed cost, or a cost specific to the spill
  - 6 collect used pads (1 of the 6 is subcontracted)
  - The number of used pads collected by each marina varies from 5-50 pads/month, with the exception of the Dana Point Fuel Dock where a bilge pad exchange program was implemented. Dana Point Fuel Dock collects two full 55-gallon drums of used bilge pads per month.
  
- Of the 3 fuel docks associated with marinas in Orange County:
  - 3 have full-time attendants on the fuel dock
  - 3 have an attendant or employee operating the fuel pumps (i.e., full service)
  - 3 have pumps with automatic shut off valves
  - 3 have absorbent pads available on the fuel dock
  - 2 have signs posted regarding the prevention of oil and fuel spills

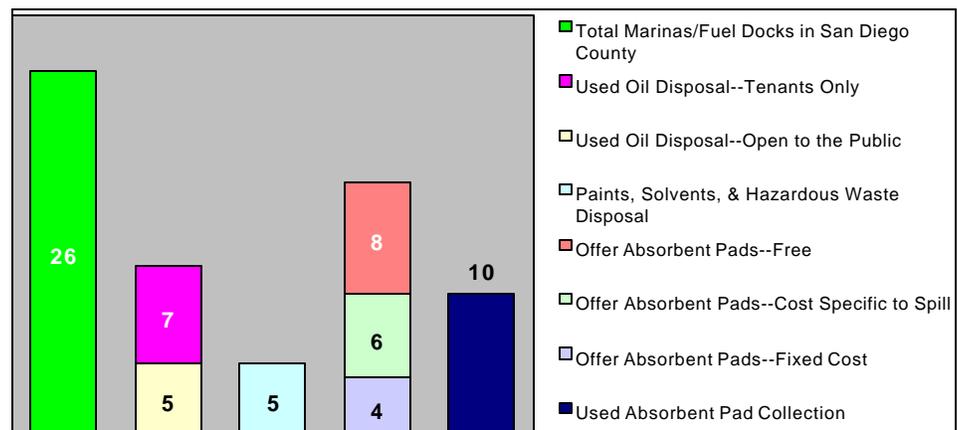
- Out of the 16 marinas/fuel docks in Orange County, 12 have boat launch ramps or a ramp nearby. It is estimated that approximately 425 boats use these ramps on a typical summer weekend day.



**Figure 1c.** Total number of marinas/fuel docks in Orange County and distribution of the various services available.

## San Diego County

- 12 of the 26 marinas/fuel docks in San Diego County offer used oil disposal opportunities to boaters
  - 5 are open to the public
  - 7 are for tenants only
  - 2 offer the \$.16 rebate/gallon
  - Combined, these marinas/fuel docks collect approximately 6,607 gallons of oil/month
  - 7 expressed interest in being included on a marina map showing locations for used oil collection, bilge pumpout and sewage pumpout services
- 5 marinas/fuel docks provide disposal opportunities for paints, solvents, and other hazardous waste
- No marinas or fuel docks have a facility for pumping out oily bilge water
- Out of the 18 marinas/fuel docks that have absorbent pads for tenants to use for spills or in their bilge:
  - 5 offer them for emergencies only
  - 8 offer them for free
  - 10 charge tenants a fixed cost, or a cost specific to the spill
  - 10 collect used pads
  - The number of used pads collected by each marina varies from 0-500 pads/month
- Of the 6 fuel docks associated with marinas in San Diego County:
  - 4 have full-time attendants at the fuel dock
  - 4 have an attendant or employee operate the fuel pump (i.e., full service)
  - 5 have pumps with automatic shut-off valves
  - 6 have absorbent pads available on fuel dock
  - 5 have signs posted regarding the prevention of oil and fuel spills
- Out of the 26 marinas/fuel docks in San Diego County, 17 have boat launch ramps, or boat launch ramps nearby. It is estimated that approximately 450 boats use the ramps on a typical summer weekend day.



**Figure 1d.** Total number of marinas/fuel docks in San Diego County and distribution of the various services available.

## Section III - Findings

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### **The Survey Process**

Contacting harbor masters, dockmasters, and marina managers proved challenging since many times they were out of the office or on the docks. However, most were eager to participate in the survey and also expressed interest in receiving any kind of informational materials for boaters.

Several of the marinas surveyed could not give numerical estimates for some questions, such as how many bilge pads were collected or the volume of used oil collected. They also had problems estimating the number of boaters using launch ramps on a typical summer weekend day. In contrast, the fuel docks contacted did provide good estimates for these volumes. Both the marinas and fuel docks surveyed said that the number of pads collected is dependent on the season, with larger numbers collected during the summer months (i.e., peak boating season).

Where there was a probable cost or burden associated with providing a particular service to boaters, some marinas/fuel docks were not interested. For example, the majority of marina managers were not interested in being included on a map showing locations for used oil collection, bilge pumpout and sewage pumpout services, fearing that their collections volumes would increase. Many stated that if more people were to use their recycling/disposal facilities, it would be more of a hassle for them (i.e., cleaning up messes, being held liable and greater disposal cost).

Fuel docks were asked if absorbent pads were available, but were not asked whether the pads were free. Only marinas were asked if they charged for bilge pads. Additionally, marinas and fuel docks were not asked to estimate the number of pads they distributed, making it hard to compare distribution versus

collection rates. By obtaining this information in a future survey, one can compare the outflow versus inflow of pads and perhaps determine whether more collection facilities are needed, or whether additional boater education efforts about bilge pad disposal is needed.

### **Marina/Fuel Dock Results**

As stated in the introduction, 69 marinas and fuel docks in Los Angeles, Orange and San Diego County harbors were interviewed about the types of recycling and hazardous waste disposal facilities or opportunities available for their boaters. As the *Overall* results show, less than half (45%) of the marinas/fuel docks offer used oil disposal opportunities, and even less (14%) offer disposal facilities for paints, solvents, and other hazardous wastes. However, 52% of the marinas/fuel docks surveyed do provide bilge pads, whether free or for a fee. These bilge pads are also being recycled at the locations they were originally distributed. This is significant in that it closes the loop by providing boaters with a single pick up and drop off location.

The most surprising result is that there is only one oily bilge water pumpout station in each of Los Angeles and Orange Counties, and none in San Diego County. Given the large number of boaters in Southern California, it is a facility desperately needed.

### **Los Angeles County**

Los Angeles County had the highest number of boaters using launch ramps on a typical summer weekend day, with nearly 1000 users (trailer boaters). It also had the smallest percentage of used oil and hazardous waste disposal opportunities, although the greatest number of boat slips of the three counties. Of the 27 marinas/fuel docks surveyed in Los Angeles County, 41% provide used oil

disposal opportunities to boaters, 11% provide hazardous waste disposal, and 41% provide absorbent pads. No marinas/fuel docks in Los Angeles County offer the \$.16/gallon rebate for used oil. Furthermore, only 6 of the 27 marinas/fuel docks providing used oil disposal opportunities are available for public use.

It is interesting to note that of the 11 marinas/fuel docks that provide absorbent pads to boaters, only five of them collect used pads. Additionally, the volume of used oil and absorbent pads that are collected at existing facilities is very low. The scarcity of collection facilities could potentially cause boaters to dispose of their used pads in trash receptacles instead of at hazardous waste collection facilities. Based on these results and the fact that Los Angeles County has such a high number of trailer boaters, it's clear that Los Angeles County does not have an adequate number of public recycling/disposal facilities and services for boaters.

All of the fuel docks in Los Angeles County are well-staffed with attendants, all fuel pumps have automatic shut-off valves and almost all had absorbent pads available. However, four of the six fuel docks did not have signs posted regarding the prevention of oil and fuel spills.

### **Orange County**

Although Orange County has a significant number of launch ramps, it had the smallest number of users (trailer boaters) – with less than half of those using Los Angeles County launch ramps. Conversely, Orange County has the largest percentage of marina-based used oil disposal opportunities (8 marinas, 50%), although only three are open to the public. Only one marina has a facility for pumping out oily bilge water and only one marina offers the \$.16/gallon rebate for used oil. Thirteen percent of respondents provide

hazardous waste disposal facilities, and more than half (56%) provide absorbent pads to boaters. Two-thirds of the facilities that offer absorbent pads also collect them, though the collection rates estimated are low. The one exception is Dana Point Harbor.

Dana Point Harbor started a Bilge Pad Exchange Program during the summer 1999, which has proved very effective in providing bilge pads and disposal opportunities to boaters. The volume of used absorbent pads collected in Dana Point is very high, averaging two full 55-gallon drums/month.

All of the fuel docks in Orange County are well-staffed with attendants that operate fuel pumps with automatic shut-off valves, and all of the docks also have absorbent pads. Two of the three docks surveyed have signs posted regarding the prevention of oil and fuel spills.

### **San Diego County**

San Diego County had the second highest number of boaters using launch ramps on a typical summer weekend day, but only slightly more users than Orange County (450 vs. 425). Combined, the launch ramp users in these two counties do not total more than Los Angeles County users, even though San Diego County has a comparable number of boat slips.

As with Los Angeles County, less than half (46%, 12 marinas) of those surveyed in San Diego County provide used oil disposal opportunities for boaters and only five are open to the public. Additionally, there are no facilities for pumping out oily bilge water. Only two marinas/fuel docks offer the \$.16/gallon rebate for used oil. However, this county does have the greatest number of hazardous waste disposal facilities (19%) and absorbent pad distribution (69%) of the three counties surveyed. Slightly more than half (55%) of the marinas/fuel docks providing

used pads also collect them and the volume of pads collected is high compared to collection efforts of the other two counties (except Dana Point Harbor).

San Diego County is the only county that does not have full-time attendants operating the pumps on some of its fuel docks (two out of six). It is also the only county to have a fuel pump without an automatic shut-off valve. However, all six docks do provide absorbent pads and all but one have signs posted regarding the prevention of oil and fuel spills.

Given the large number of marinas and available boat slips in San Diego County, the survey results show that recycling and disposal opportunities are inadequate to meet needs of San Diego's boaters. Used oil recycling facilities, including oily bilge water pumpout stations, which are open to the public should be increased to meet the needs of these boaters. Additionally, full-time attendants are recommended for all fuel docks to help control unnecessary spills and to encourage the use and recycling of absorbent bilge pads.

## Section IV – Conclusion

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This survey was designed to assess the used oil, bilge pad and hazardous waste disposal facilities available to boating communities in three coastal counties in Southern California. With few exceptions, less than 50% of the marinas/fuel docks surveyed provide boater recycling and disposal services. Conversely, virtually all of the fuel docks surveyed provide absorbent pads for boat bilges and accidental spills. It's encouraging that such a large percentage of fuel docks are offering and distributing bilge pads to boaters. However, the survey did not assess the number of bilge pads both distributed and collected by fuel docks, thus it was not possible to compare these rates. Certainly, such information would help close the gap in our understanding of and accounting for disposal of used bilge pads.

It would also be worth noting whether marina personnel knew of or could recommend nearby, existing recycling/disposal facilities if not providing such facilities themselves. Such information would help in assessing whether boaters were informed of alternative disposal opportunities. One possible reason for marinas/fuel docks unwillingness to accept used paint, solvents, etc. could be that they discourage the use of these products when boats are in the water and prefer that boat maintenance activities take place in a boatyard. Another possible reason could be the cost incurred by marinas/fuel docks in disposing of these hazardous wastes or the permits needed if storing large volumes of hazardous waste. The survey questions did not inquire about why such facilities are not available, and any possible explanation presented here is merely speculative.

In developing a comprehensive educational campaign, posting signs regarding fuel and oil spills at launch ramps and fuel docks is beneficial. The audience is captive, in a

sense, and may take the time to read signs while waiting for their turn to launch or refuel their boats. Perhaps these educational efforts will provide an incentive for more boaters to actively recycle their used oil, or to inquire about the availability/location of such facilities. Broader publicizing of the national hazardous waste disposal hotline, 1-800-CLEAN-UP, is but one way for boaters to find recycling/disposal locations. And, based on the low number of marinas/fuel docks actually providing recycling/disposal opportunities, more facilities are needed where boaters would be motivated to use them.

Block Grant funds, based on the \$0.16 tax placed on each gallon of oil, are available to cities and counties statewide. These funds can be used to develop or enhance used oil and bilge pad collection services, and even to provide bilge pads for free to boaters. Marinas interested in developing such a collection program are urged to work with their city or county to explore this opportunity. The funds must be spent on oil-related collection services and/or education about used oil recycling and pollution prevention.

# Facility Survey

Ask to speak with manager/dock or harbormaster

If no time, then reschedule

Good morning (afternoon, etc.), my name is...and I am calling on behalf of the SMBRF and the CCC. We're working on a boating education project, and as part of our project, we are conducting a survey to learn more about what used motor oil collection services and fuel docks are available. We will be using the information collected in this survey to help direct state funds to marine facilities in order to provide more environmental services for boaters. The information you provide may benefit your facility as you could be eligible for funding to obtain new equipment or update your current facilities.

After survey is completed,

- Thank them for their time
- Ask if interested in receiving our informational materials for boaters
  - If so, get current mailing address along with whose attention the package should be sent
- Ask if OK to recontact in the future if we have questions

## Survey Questions

1. Do you have a disposal area for used oil? Y/N
  - a. If yes, is the disposal area open to boating public, or for tenants only? Public/Tenants
  - b. During what hours is the disposal area open? \_\_\_\_\_
  - c. Do you offer the 16 cent rebate through the California Used Oil Program? Y/N
  - d. Approximately how much used oil do you collect per month? \_\_\_\_\_
  - e. We are working on a marina map for boaters. This map will show which marinas collect used oil, and which provide bilge and sewage pump out services. Would you like to be included on the map? Y/N
2. Do you provide a disposal area for paints, solvents, and other hazardous wastes? Y/N
3. Do you have a facility for pumping out oily bilge water? Y/N
  - a. If yes, during what hours can boaters use the bilge pump-out? \_\_\_\_\_
  - b. How much does it cost to use the bilge pump-out? \_\_\_\_\_
  - c. Where in the marina is the bilge pump-out located? \_\_\_\_\_
  - d. How much bilge water is pumped per month? \_\_\_\_\_
  - e. Does the system separate oil? Y/N
    1. If yes, approximately how much oil is collected per month from the bilge pump-out? \_\_\_\_\_
4. Do you have absorbent pads for tenants to use for spills or in their bilge? Y/N

# Appendix 1

## Facility Survey

- a. How much do you charge for pads? \_\_\_\_\_
  - b. Where do you distribute these pads? \_\_\_\_\_
  - c. Do you collect used absorbent pads? Y/N
  - d. Where do you store the used absorbent pads? \_\_\_\_\_
  - e. What kind of container do you use? \_\_\_\_\_
  - f. How many absorbent pads do you collect each month? \_\_\_\_\_
5. Do you have a fuel dock? Y/N
- a. If yes, is there an attendant on the fuel dock? Y/N
    - 1. If yes, does the attendant or marina employee operate the fuel pumps? Y/N
  - b. Does the pump have automatic shut-off? Y/N
  - c. Are absorbent pads available on the fuel dock for boaters or attendants to use to prevent fuel spills? Y/N
  - d. Does the dock have signs regarding the prevention of oil and fuel spills? Y/N
6. Does your marina have a boat launch ramp? Y/N
- a. If yes, how many boats use it on a typical summer weekend day? \_\_\_\_\_
  - b. If no, is there a boat launch ramp nearby? Y/N
    - 1. What is the name of the launch ramp? \_\_\_\_\_
    - 2. How many boats use it on a typical summer weekend day? \_\_\_\_\_
7. As we mentioned earlier, cities and counties sometimes apply for grants from the State of California, and use the funds to give marinas a free used oil collection system or a bilge pump-out system. We are making a list of marinas that would be interested in receiving more information, if the money becomes available. Should we add your marina to the list? Y/N

Thanks for your help with the survey.

Appendix 2  
Facility Survey—  
Summary of Results

## Facility Survey--Summary of Results

	Los Angeles County	Orange County	San Diego County	TOTAL
<b>Marinas</b>	27	16	26	69
<b>Used Oil Disposal</b>	11	8	12	31
<b>Open to the Public</b>	6	3	5	14
<b>For tenants only</b>	5	5	7	17
<b>16-cent rebate</b>	0	1	2	3
<b>Used Oil Collected/mo.</b>	~1182.5 gal *	~1517.5 gal	~6607.5	~9307.5
<b>Like to be Included on Map</b>	4	6	7	17
<b>Paints, Solvents, HW disposal</b>	3	2	5	10
<b>Oily Bilge Pumpout</b>	1(subcontracted)	1(subcontracted)	0	2
<b>Absorbent pads for spills or bilge</b>	11 **	9 ****	18 *****	38
<b>Charge for Pads</b>	5 marinas/fuel docks are free, 4 are specific to the spill, 1 is \$ .50, and 1 sells them for retail price	7 marinas/fuel docks are free, 1 is \$1 each, and 1 is specific to the spill	8 marinas are free, 1 is \$.84, 1 is \$.80, 2 are \$1, and 6 are specific to the spill	20 free, 11 Cost Specific to Spill, 7 fixed cost
<b>Collect Used Pads</b>	5	6 (1/6 is subcontracted)	10	21
<b>Kind of container for used pads</b>	steel drums/HW drums	55 gal drums/HW drums	55 gal drums/ HW drums, double-walled container, mixed waste drum, mesh over trough	
<b>How many pads collected/mo</b>	varies	varies	varies	varies
<b>Fuel Dock</b>	6	3	6	15
<b>Attendant on fuel dock</b>	6	3	4	13
<b>Attendant/employee operate fuel pumps</b>	4	3	4	11
<b>Pump has automatic shut-off</b>	6	3	5	14
<b>Absorbent pads on fuel dock</b>	5	3	6	14
<b>Signs on Dock re:spill prevention</b>	2	2	5	9
<b>Boat Launch Ramp or Ramp Nearby</b>	23	12	17	52
<b># Boats /summer wknd day</b>	925 ***	425 ***	450***	1800

\* Several of the marinas that collect used oil did not have an estimate

\*\* 5 of the 11 are for emergencies only

\*\*\* Several of the marinas did not have estimates for the # of boats that use their launch ramp (or a ramp nearby) on a typical weekend day.

\*\*\*\*1 of the 8 are for emergencies only

\*\*\*\*\*5 of the 21 for emergencies only

# Appendix 3

## Table of Responses

LOS ANGELES COUNTY--Table of Reponses

Marina	Rocky Point Marine Fuels, Redondo Bch	Downtown Marina, Long Bch	Alamitos Bay Marina, Long Beach	Two Harbors, Catalina	Avalon, Catalina	California Yacht Marina, Cabrillo
Current Mailing Address	310 Portofino Way, Redondo Beach 90277	450 E. Shoreline Dr., Long Bch 90802	205 Marina Drive, Long Beach 90803	PO Box 5086, Two Harbors 90704	PO Box 1085, Avalon 90704	224 Whaler's Walk, San Pedro 90731
Contact	Mike (mgr)	Dave Kinley	Mark Sandoval	Doug Oudin	Brian Bray	Gloria Fletcher
Phone #	310/ 374-9858	562/ 570-1815	562/ 570-3215	310/ 510-2683	310/ 510-0535	310/ 732-2252
Used Oil Disposal	X	X	X	X	X	X
Open to the Public	X			X	X	
For tenants only		X	X			X
Hours	7-6 Daily	7:30-6 Daily	24 hours	8-4 Daily	24 Hours	8-5
16-cent rebate						
Used Oil Collected/mo.	300 gal	-		10-15 gal	50 gal	300 gal
Like to be Included on Map	X	X			X	X
Paints, Solvents, HW disposal				X		
Oily Bilge Pumpout		X (subcontracted by Nautacare)				
Bilge Pump-Out Hours						
\$ of Bilge pump-out						
Where is Bilge Pump-Out						
Amt of Bilge Water Pumped/mo.						
System Separate Oil						
How much Oil collected/mo						
Absorbent pads for spills or bilge	X (emergency)		X (emergency)	X		X
Charge for Pads	\$ 0.50			\$ -		\$ 0.84
Where pads are distributed	fuel dock		in boxes throughout marina	fuel dock		fuel dock
Collect Used Pads				X (emergency)		X
Where used pads are stored				HW area		storage shed
Kind of container for used pads				steel drums		plastic bag
How many pads collected/mo				12		low #
Fuel Dock	X	separate entity	X	X	X	X
Attendant on fuel dock	X		X	X	X	X
Attendant/employee operate fuel pumps	X		X			X
Pump has automatic shut-off	X		X	X	X	X
Absorbent pads on fuel dock	X		X (emergency)	X		X
Signs on Dock re:spill prevention	X			X		
Boat Launch Ramp		X	X			
# Boats /summer wknd day		250-300	600-700			
Boat Launch Ramp Nearby					X	
Name of the Launch Ramp					Pebbly Beach Boatyard	
# Boats/summer wknd day						
Marina Would like to receive more info	X		X		X	X
Interested in info materials for boaters	X		X			X
OK to recontact in future	X		X			X

LOS ANGELES COUNTY (Cont'd)

Marina	Marina Harbor Anchorage, Marina del Rey	Marina City Club Marina, Marina del Rey	King Harbor Marina	Dolphin Marina, Marina del Rey	Al Larson Marina	Cerritos Yacht Anchorage
<b>Current Mailing Address</b>	4500 Via Marina, Marina del Rey 90292	4333 Admiralty Way, Marina del Rey 90292	208 Yacht Club Way, Redondo Beach 90277	13900 Panay Way, Marina del Rey, 90292	1046 S. Bayside, Terminal Island, 90731	Berth 205-C Anchorage Rd., Wilmington, 90744
<b>Contact</b>	Neve Carvill	Don Wetterstrom	Michael Aaker	Horia Ispas	Darlene Forman	Jo Ann Quick
<b>Phone #</b>	310/ 822-1659	310/ 822-0611	310/ 376-6926	310/ 578-6666	310/832-0526	310/834-4737
<b>Used Oil Disposal</b>	X	X				
<b>Open to the Public</b>	X	X				
<b>For tenants only</b>						
<b>Hours</b>	24 Hours	7-2 weekdays; 10-4 weekends				
<b>16-cent rebate</b>						
<b>Used Oil Collected/mo.</b>						
<b>Like to be Included on Map</b>						
<b>Paints, Solvents, HW disposal</b>		X				
<b>Oily Bilge Pumpout</b>						
<b>Bilge Pump-Out Hours</b>						
<b>\$ of Bilge pump-out</b>						
<b>Where is Bilge Pump-Out</b>						
<b>Amt of Bilge Water Pumped/mo.</b>						
<b>System Separate Oil</b>						
<b>How much Oil collected/mo</b>						
<b>Absorbent pads for spills or bilge</b>					X	X (emergency)
<b>Charge for Pads</b>					no cost	billed for replacement cost
<b>Where pads are distributed</b>					office	office
<b>Collect Used Pads</b>					X (boatyard next door has haz waste facility)	X
<b>Where used pads are stored</b>						on site storage
<b>Kind of container for used pads</b>						Haz waste collection drum
<b>How many pads collected/mo</b>					10 per year	12 per year
<b>Fuel Dock</b>						
<b>Attendant on fuel dock</b>						
<b>Attendant/employee operate fuel pumps</b>						
<b>Pump has automatic shut-off</b>						
<b>Absorbent pads on fuel dock</b>						
<b>Signs on Dock re:spill prevention</b>						
<b>Boat Launch Ramp</b>						X(crane for yachts)
<b># Boats /summer wknd day</b>						
<b>Boat Launch Ramp Nearby</b>		X		X	X	X
<b>Name of the Launch Ramp</b>		public ramp in MDR			Cabrillo Beach	Colonial
<b># Boats/summer wknd day</b>						
<b>Marina Would like to receive more info</b>		X	X	X	X	X
<b>Interested in info materials for boaters</b>		X	X	X	X	X
<b>OK to recontact in future</b>		X	X	X	X	X

LOS ANGELES COUNTY (Cont'd)

Marina	Marina Fuels -- Unocal	Mariner's Bay Apts	Redondo Beach Marina	Neptune Marina	Catalina Yacht Anchorage	Yacht Haven Marina
<b>Current Mailing Address</b>	1 Bora Bora Way, Marina del Rey, 90292	1400 Palawan Way, Marina del Rey, 90292	181 N. Harbor Dr., Redondo Beach, 90277	14126 Marquesas Way, Marina del Rey, 90292	13505 Bali Way, Marina del Rey, 90292	Berth 202, Wilmington, 90744
<b>Contact</b>	Ron Warrington	Jeff Schubert	dockmaster	Alma Gutierrez	Jay Sullivan	Tony Duni
<b>Phone #</b>	310/823-2444	310/822-2001	310/374-3481	310/823-4555	310/823-3684	310/834-6892
<b>Used Oil Disposal</b>	X					
<b>Open to the Public</b>	X (\$.50 a gallon)					
<b>For tenants only</b>	X (no cost for boats being serviced)					
<b>Hours</b>	8am-5pm daily					
<b>16-cent rebate</b>						
<b>Used Oil Collected/mo.</b>	500 gal					
<b>Like to be Included on Map</b>						
<b>Paints, Solvents, HW disposal</b>	X (oil filters only)					
<b>Oily Bilge Pumpout</b>						
<b>Bilge Pump-Out Hours</b>						
<b>\$ of Bilge pump-out</b>						
<b>Where is Bilge Pump-Out</b>						
<b>Amt of Bilge Water Pumped/mo.</b>						
<b>System Separate Oil</b>						
<b>How much Oil collected/mo</b>						
<b>Absorbent pads for spills or bilge</b>	X		X		X (emergency)	X
<b>Charge for Pads</b>						Retail Price
<b>Where pads are distributed</b>	on dock or in office		office		office	For sale in Marina store
<b>Collect Used Pads</b>	X					
<b>Where used pads are stored</b>	on site					
<b>Kind of container for used pads</b>	Haz Waste drum					
<b>How many pads collected/mo</b>	10-20					
<b>Fuel Dock</b>	X					
<b>Attendant on fuel dock</b>	X					
<b>Attendant/employee operate fuel pumps</b>	X					
<b>Pump has automatic shut-off</b>	X (a few without)					
<b>Absorbent pads on fuel dock</b>	X					
<b>Signs on Dock re:spill prevention</b>						
<b>Boat Launch Ramp</b>			X (two 10k lb hoists)			
<b># Boats /summer wknd day</b>						
<b>Boat Launch Ramp Nearby</b>	X	X		X	X	X
<b>Name of the Launch Ramp</b>	Burton Chace Park	Burton Chace Park		Burton Chace Park	Burton Chace Park	Colonial
<b># Boats/summer wknd day</b>						
<b>Marina Would like to receive more info</b>	X	X	X	X	X	X
<b>Interested in info materials for boaters</b>	X	X	X	X	X	X
<b>OK to recontact in future</b>	X	X	X	X	X	X

LOS ANGELES COUNTY (Cont'd)

Marina	Newmarks Yacht Center	Leeward Bay Marina	California Yacht Marina - Port Royal	California Yacht Marina - Wilmington	Villa Del Mar	Bay Club Marina
<b>Current Mailing Address</b>	Berth 204, Wilmington, 90744	611 N. Henry Ford Ave., Wilmington, 90744	555 N. Harbor Dr., Redondo Beach, 90277	Berth 202, Box 36, Wilmington, 90744	13999 Marquesas Way, Marina del Rey, 90292	14015 W. Tahiti Way, Marina del Rey, 90292
<b>Contact</b>	Tom Sanders	Fred Poore	Gina Chavez	Damrisa Rausch	Kelly King	Michael Conner
<b>Phone #</b>	310/834-5016	310/830-5621	310/376-0431	310/834-7118	310/823-4644	310/821-8881
<b>Used Oil Disposal</b>						X
<b>Open to the Public</b>						
<b>For tenants only</b>						
<b>Hours</b>						
<b>16-cent rebate</b>						
<b>Used Oil Collected/mo.</b>						
<b>Like to be Included on Map</b>						
<b>Paints, Solvents, HW disposal</b>						
<b>Oily Bilge Pumpout</b>						
<b>Bilge Pump-Out Hours</b>						
<b>\$ of Bilge pump-out</b>						
<b>Where is Bilge Pump-Out</b>						
<b>Amt of Bilge Water Pumped/mo.</b>						
<b>System Separate Oil</b>						
<b>How much Oil collected/mo</b>						
<b>Absorbent pads for spills or bilge</b>						
<b>Charge for Pads</b>						
<b>Where pads are distributed</b>						
<b>Collect Used Pads</b>						
<b>Where used pads are stored</b>						
<b>Kind of container for used pads</b>						
<b>How many pads collected/mo</b>						
<b>Fuel Dock</b>						
<b>Attendant on fuel dock</b>						
<b>Attendant/employee operate fuel pumps</b>						
<b>Pump has automatic shut-off</b>						
<b>Absorbent pads on fuel dock</b>						
<b>Signs on Dock re:spill prevention</b>						
<b>Boat Launch Ramp</b>						
<b># Boats /summer wknd day</b>						
<b>Boat Launch Ramp Nearby</b>	X	X		X	X	X
<b>Name of the Launch Ramp</b>	Colonial Yacht	Colonial Yacht		Colonial Yacht	Burton Chace	MDR Public Launch
<b># Boats/summer wknd day</b>						
<b>Marina Would like to receive more info</b>	X		X	X	X	X
<b>Interested in info materials for boaters</b>	X		X	X	X	X
<b>OK to recontact in future</b>	X		X	X	X	X

LOS ANGELES COUNTY (Cont'd)

Marina	Holiday Harbor Marina -- Cabrillo	Bar Harbor	SMYC Marina			
Current Mailing Address	241 Watchhorn Walk, Berth 34, San Pedro, 90731	4242 Via Marina, Marina del Rey, 90292	13589 Mindanao Way, Marina del Rey, 90292			
Contact	Bill Gribble	Luis Leyva	Tony Nash			
Phone #	310/833-4468	310/827-3681	310/823-2252			
Used Oil Disposal	X					
Open to the Public						
For tenants only	X					
Hours	9am-5pm daily					
16-cent rebate						
Used Oil Collected/mo.	20 gal					
Like to be Included on Map						
Paints, Solvents, HW disposal						
Oily Bilge Pumpout						
Bilge Pump-Out Hours						
\$ of Bilge pump-out						
Where is Bilge Pump-Out						
Amt of Bilge Water Pumped/mo.						
System Separate Oil						
How much Oil collected/mo						
Absorbent pads for spills or bilge	X (emergency)					
Charge for Pads						
Where pads are distributed						
Collect Used Pads						
Where used pads are stored						
Kind of container for used pads						
How many pads collected/mo						
Fuel Dock						
Attendant on fuel dock						
Attendant/employee operate fuel pumps						
Pump has automatic shut-off						
Absorbent pads on fuel dock						
Signs on Dock re:spill prevention						
Boat Launch Ramp						
# Boats /summer wknd day						
Boat Launch Ramp Nearby	X	X	X			
Name of the Launch Ramp	Cabrillo	MDR public ramp	MDR public ramp			
# Boats/summer wknd day						
Marina Would like to receive more info	X	X	X			
Interested in info materials for boaters	X	X	X			
OK to recontact in future	X	X	X			

ORANGE COUNTY--Table of Responses

Marina	Peter's Landing Marina, Huntington Bch	Sunset Aquatic Marina, Huntington Bch	Hill's Standard Station, Newport Bch	Newport Dunes Marina, Newport Bch	Dana Point Fuel Dock, Dana Point
Current Mailing Address	16400 Pac. Coast Hwy #108, Huntington Bch 92649	2901-A Edinger Ave., Huntington Bch 92649	814 East Bay Ave, Balboa 92661	101 N. Bayside Dr., Newport Bch 92660	34661 Puerto Pl., Dana Point 92629
Contact	Scott Seaton	Larry Schwartz	Dan Allen	Dave Nichols	Janet
Phone #	714/ 840-1387	714/ 840-0179 562/ 592-2833	949/ 675-0740	949/ 729-1100	949/ 496-6113
Used Oil Disposal	X	X	X	X	X
Open to the Public		X	X		X
For tenants only	X			X	
Hours	M-Sa 9-5:30, Sun 11-4	24 Hours	6-6	24 hrs/day	varies M-TH 7-6, F 7-7, Sa-Sun 6-7
16-cent rebate					X
Used Oil Collected/mo.	25-50 gal	250-300 gal	600 gal	10 gal	400 gal
Like to be Included on Map	X	X	X		X
Paints, Solvents, HW disposal					
Oily Bilge Pumpout	(subcontracting)				
Bilge Pump-Out Hours					
\$ of Bilge pump-out					
Where is Bilge Pump-Out					
Amt of Bilge Water Pumped/mo.					
System Separate Oil					
How much Oil collected/mo					
Absorbent pads for spills or bilge		X	X		X
Charge for Pads		\$ -	\$ 1.00		\$ -
Where pads are distributed					
Collect Used Pads	(subcontracted)	X			X
Where used pads are stored					
Kind of container for used pads					
How many pads collected/mo		5-7			2 full drums in less than one month
Fuel Dock			X		X
Attendant on fuel dock			X		X
Attendant/employee operate fuel pumps			X		X
Pump has automatic shut-off			X		X
Absorbent pads on fuel dock			X		X
Signs on Dock re:spill prevention			X		X
Boat Launch Ramp			X	X	X
# Boats /summer wknd day				100	150-200
Boat Launch Ramp Nearby					
Name of the Launch Ramp	Sunset Aquatic Park (pvt)				
# Boats/summer wknd day					
Marina Would like to receive more info	X			X	X
Interested in info materials for boaters	X			X	X
OK to recontact in future	X			X	X

ORANGE COUNTY (Cont'd)

Marina	Newport Beach Harbor, Bellport Group	Anchorage Apts & Swales Anchorage	DeAnza Bayside Village	Lido Peninsula Marina, Newport Beach	Dana Point Marina Company
Current Mailing Address	1137 Bayside Drive, Corona del Mar, 92625	2888 Bayshore Dr., Newport Beach, 92663	300 E. Coast Hwy., Newport Beach, 92660	201 Shipyard Way, Cabin 1, Newport Beach 92663	24701 Dana Drive, Dana Point 92629
Contact	Jim Nicoletti	Steve Farwell	Dolly Stewart	Carl	Jenny
Phone #	949/ 644-9730	949/548-1501	949/673-1331	949/ 673-9330	949/ 496-6137
Used Oil Disposal					X
Open to the Public					
For tenants only					X
Hours					Mon-Sat 8a-5p
16-cent rebate					
Used Oil Collected/mo.					50 gal
Like to be Included on Map					X
Paints, Solvents, HW disposal					
Oily Bilge Pumpout					
Bilge Pump-Out Hours					
\$ of Bilge pump-out					
Where is Bilge Pump-Out					
Amt of Bilge Water Pumped/mo.					
System Separate Oil					
How much Oil collected/mo					
Absorbent pads for spills or bilge				X (emergency)	X
Charge for Pads				depends on spill	\$ -
Where pads are distributed					marina office
Collect Used Pads					X
Where used pads are stored					containment units
Kind of container for used pads					55 gallon drums
How many pads collected/mo					5-10
Fuel Dock					
Attendant on fuel dock					
Attendant/employee operate fuel pumps					
Pump has automatic shut-off					
Absorbent pads on fuel dock					
Signs on Dock re:spill prevention					
Boat Launch Ramp					
# Boats /summer wknd day					50
Boat Launch Ramp Nearby		X	X	X	
Name of the Launch Ramp		Newport Dunes	Newport Dunes	Newport Dunes	Embarcadero Marina
# Boats/summer wknd day					
Marina Would like to receive more info	X	X	X		X
Interested in info materials for boaters	X	X	X		X
OK to recontact in future	X	X	X		X

ORANGE COUNTY (Cont'd)

<b>Marina</b>	Dana West Marina	Newport Arches Marina	Mariners Point Fuel Dock	Carlsberg Management Co.	Embarcadero Marina (no slips, just public launch ramp)
<b>Current Mailing Address</b>	24500 Dana Point Harbor Dr., Dana Point, 92629	3335 W. Pacific Coast Hwy., Newport Beach, 92663	15922 Pacific Coast Hwy., Huntington Beach, 92649	3355 D Villa Lido, Newport Beach, 92663	PO Box 249, Dana Point, 92629
<b>Contact</b>	Rick Rush	Joe Bergman	Scott Lindenblatt	Bud Martin	manager
<b>Phone #</b>	949/493-6222	949/642-4644	562/592-4975	949/723-8485	949/496-6177
<b>Used Oil Disposal</b>	X		X		
<b>Open to the Public</b>					
<b>For tenants only</b>	X		X (boat service use only)		
<b>Hours</b>	24hrs				
<b>16-cent rebate</b>					
<b>Used Oil Collected/mo.</b>	100 gal		40-50 gal		
<b>Like to be Included on Map</b>					
<b>Paints, Solvents, HW disposal</b>	X (oily rags, pads only)		X (filters only)		
<b>Oily Bilge Pumpout</b>					
<b>Bilge Pump-Out Hours</b>					
<b>\$ of Bilge pump-out</b>					
<b>Where is Bilge Pump-Out</b>					
<b>Amt of Bilge Water Pumped/mo.</b>					
<b>System Separate Oil</b>					
<b>How much Oil collected/mo</b>					
<b>Absorbent pads for spills or bilge</b>	X	X	X		X
<b>Charge for Pads</b>	no cost	no cost	no cost		no cost
<b>Where pads are distributed</b>	dock box	office	on dock, in office		office
<b>Collect Used Pads</b>	X		X		
<b>Where used pads are stored</b>	on site (until picked up by a collection service)		on site		
<b>Kind of container for used pads</b>	Haz waste drum		Haz waste drum		
<b>How many pads collected/mo</b>	10-50		4-10		
<b>Fuel Dock</b>			X		
<b>Attendant on fuel dock</b>			X		
<b>Attendant/employee operate fuel pumps</b>			X		
<b>Pump has automatic shut-off</b>			X		
<b>Absorbent pads on fuel dock</b>			X		
<b>Signs on Dock re:spill prevention</b>					
<b>Boat Launch Ramp</b>					X
<b># Boats /summer wknd day</b>					200-400
<b>Boat Launch Ramp Nearby</b>	X	X	X	X	
<b>Name of the Launch Ramp</b>	Dana Harbor public launch ramp	Newport Dunes	Sunset Aquatic	Newport Dunes	
<b># Boats/summer wknd day</b>					
<b>Marina Would like to receive more info</b>	X	X	X	X	X
<b>Interested in info materials for boaters</b>	X	X	X	X	
<b>OK to recontact in future</b>	X	X	X	X	X

ORANGE COUNTY (Cont'd)

Marina	Huntington Harbor Marina				
Current Mailing Address	4281 Warner Ave, Huntington Beach, 92649				
Contact	Joanne				
Phone #	714/840-5545				
Used Oil Disposal					
Open to the Public					
For tenants only					
Hours					
16-cent rebate					
Used Oil Collected/mo.					
Like to be Included on Map					
Paints, Solvents, HW disposal					
Oily Bilge Pumpout					
Bilge Pump-Out Hours					
\$ of Bilge pump-out					
Where is Bilge Pump-Out					
Amt of Bilge Water Pumped/mo.					
System Separate Oil					
How much Oil collected/mo					
Absorbent pads for spills or bilge					
Charge for Pads					
Where pads are distributed					
Collect Used Pads					
Where used pads are stored					
Kind of container for used pads					
How many pads collected/mo					
Fuel Dock					
Attendant on fuel dock					
Attendant/employee operate fuel pumps					
Pump has automatic shut-off					
Absorbent pads on fuel dock					
Signs on Dock re:spill prevention					
Boat Launch Ramp					
# Boats /summer wknd day					
Boat Launch Ramp Nearby	X				
Name of the Launch Ramp	Sunset Aquatic				
# Boats/summer wknd day					
Marina Would like to receive more info	X				
Interested in info materials for boaters	X				
OK to recontact in future	X				

SAN DIEGO COUNTY--Table of Responses

Marina	Campland on the Bay Marina	Chula Vista Marina	Cabrillo Isle Marina	Sheraton Harbor Island	High Seas Fuel Dock
Current Mailing Address	2211 Pacific Beach Dr., San Diego, 92109	550 Marina Parkway. Chula Vista, 91910	1450 Harbor Island Dr., San Diego, 92101	1250 Harbor Island Dr., San Diego, 92120	2540 Shelter Island Dr., San Diego, 92106
Contact	Dave Rohl	Doug Asher	Jerry Green	Eric Holle	Rick
Phone #	858/581-4224	619/691-1860	619/297-6222	619/672-2249	619/523-2980
Used Oil Disposal	X	X	X		X
Open to the Public	X				X (\$1.00 per gallon, free to boaters getting service)
For tenants only		X	X		
Hours	7am-3pm daily	8:30am-5pm daily	8am-5pm		8am-5pm daily, longer hours in the summer
16-cent rebate					X
Used Oil Collected/mo.	12 gal	100 gal	50 gal		1800 gal
Like to be Included on Map					X
Paints, Solvents, HW disposal	X	X (in process)			X (oil filters and oily rags only)
Oily Bilge Pumpout					
Bilge Pump-Out Hours					
\$ of Bilge pump-out					
Where is Bilge Pump-Out					
Amt of Bilge Water Pumped/mo.					
System Separate Oil					
How much Oil collected/mo					
Absorbent pads for spills or bilge	X	X			X
Charge for Pads	no cost	no cost			no cost for preventative use, billed for replacement cost for larger spills
Where pads are distributed	office	office and several dock boxes			on dock and in office
Collect Used Pads	X	X			X
Where used pads are stored	Haz waste center	Haz material drum			on site
Kind of container for used pads	appropriate haz waste bins	mixed waste drum			Haz waste drum
How many pads collected/mo	10-20 per year	300-500 pads per year			25
Fuel Dock					X
Attendant on fuel dock					X (minimum of 2 at all times)
Attendant/employee operate fuel pumps					X
Pump has automatic shut-off					X (4 with auto, 10 w/o auto)
Absorbent pads on fuel dock					X
Signs on Dock re:spill prevention					X
Boat Launch Ramp	X				
# Boats /summer wknd day	40				
Boat Launch Ramp Nearby		X			X
Name of the Launch Ramp		public ramp at Chula Vista Park			Shelter Island
# Boats/summer wknd day					
Marina Would like to receive more info	X	X	X	X	X
Interested in info materials for boaters	X	X	X	X	X
OK to recontact in future	X	X	X	X	X

SAN DIEGO COUNTY (Cont'd)

Marina	Oceanside Harbor, Oceanside	Pearson's Marine Fuel Dock, San Diego Bay	Cortez Fuel Dock, San Diego Bay	Harbor Island West Fuel Dock, San Diego	Sun Harbor Marina	Harbor Island West Marina
<b>Current Mailing Address</b>	1540 Harbor Drive N., Oceanside 92054	2435 Shelter Island Dr., San Diego, 92106	1880 Harbor Island Drive, San Diego 92101	2040 Harbor Island Drive, San Diego 92101	5104 N. Harbor Dr., San Diego, 92106	2040 Harbor Island Drive, San Diego 92101
<b>Contact</b>	Rene	Robert Kinsella	Jason Schmidt	Collin Smith	Brian Peelle	Eric Leslie
<b>Phone #</b>	760/ 966-4580	619/ 222-7084	619/ 296-2331	619/ 291-6443	619/222-1167	619/ 291-6440
<b>Used Oil Disposal</b>	X	X	X	X		
<b>Open to the Public</b>		X	X	X		
<b>For tenants only</b>	X					
<b>Hours</b>	7-3:30	7-7	8-5	7-7		
<b>16-cent rebate</b>				X		
<b>Used Oil Collected/mo.</b>	150-200 gal	2000 gal	2000 gal	450 gal		
<b>Like to be Included on Map</b>	X	X	X	X		
<b>Paints, Solvents, HW disposal</b>					X (batteries only)	
<b>Oily Bilge Pumpout</b>						
<b>Bilge Pump-Out Hours</b>						
<b>\$ of Bilge pump-out</b>						
<b>Where is Bilge Pump-Out</b>						
<b>Amt of Bilge Water Pumped/mo.</b>						
<b>System Separate Oil</b>						
<b>How much Oil collected/mo</b>						
<b>Absorbent pads for spills or bilge</b>		X	X	X	X	
<b>Charge for Pads</b>		\$ 0.80	\$ 1.00	\$ 1.00	billed replacement cost	
<b>Where pads are distributed</b>					office	
<b>Collect Used Pads</b>		X	X		X	
<b>Where used pads are stored</b>					on site	
<b>Kind of container for used pads</b>					Haz waste drum	
<b>How many pads collected/mo</b>		500	varies		none so far	
<b>Fuel Dock</b>	X	X	X	X		
<b>Attendant on fuel dock</b>		X	X	X		
<b>Attendant/employee operate fuel pumps</b>	X	X	X	X		
<b>Pump has automatic shut-off</b>	X		X	X		
<b>Absorbent pads on fuel dock</b>	X	X	X	X		
<b>Signs on Dock re:spill prevention</b>	X	X	X	X		
<b>Boat Launch Ramp</b>	X			X		
<b># Boats /summer wknd day</b>	100					
<b>Boat Launch Ramp Nearby</b>					X	X
<b>Name of the Launch Ramp</b>					Shelter Island	Shelter Island Launch Ramp
<b># Boats/summer wknd day</b>						
<b>Marina Would like to receive more info</b>	X				X	X
<b>Interested in info materials for boaters</b>					X	X
<b>OK to recontact in future</b>					X	X

SAN DIEGO COUNTY (Cont'd)

<b>Marina</b>	California Yacht Marina, Chula Vista	Gold Coast Anchorage	Shelter Cove Marina	Fiddler's Cove Marina	Marina Cortez	Glorietta Bay Marina
<b>Current Mailing Address</b>	640 Marina Pkwy., Chula Vista 91910	2353 Shelter Island Drive, San Diego 92106	2240 Shelter Island Drive, San Diego 92106	CO NASNI MWR, Dept. Code 92, Box 357081, San Diego, 92135-7081	1880 Harbor Island Dr., San Diego 92101	1715 Strand Way, Coronado, 92118
<b>Contact</b>	Jim Moulton	Sue Fewspier	Shaun McMahon	Steve	Carol Pagliuso	Jack Swartz
<b>Phone #</b>	619/ 422-2595	619/ 225-0588	619/ 224-2471	619/ 435-8788	619/ 291-5985	619/435-5203
<b>Used Oil Disposal</b>	X			X		
<b>Open to the Public</b>						
<b>For tenants only</b>	X			X(military access)		
<b>Hours</b>	24 hours			24 hours		
<b>16-cent rebate</b>						
<b>Used Oil Collected/mo.</b>	< 10 gal			10 gal		
<b>Like to be Included on Map</b>	X			X		
<b>Paints, Solvents, HW disposal</b>				X		
<b>Oily Bilge Pumpout</b>						
<b>Bilge Pump-Out Hours</b>						
<b>\$ of Bilge pump-out</b>						
<b>Where is Bilge Pump-Out</b>						
<b>Amt of Bilge Water Pumped/mo.</b>						
<b>System Separate Oil</b>						
<b>How much Oil collected/mo</b>						
<b>Absorbent pads for spills or bilge</b>		X (emergency)	X (emergency spill kit only)	X		X (emergency)
<b>Charge for Pads</b>				?		
<b>Where pads are distributed</b>						
<b>Collect Used Pads</b>				X		
<b>Where used pads are stored</b>				Hazardous Waste collection area		
<b>Kind of container for used pads</b>				mesh over trough		
<b>How many pads collected/mo</b>						
<b>Fuel Dock</b>						
<b>Attendant on fuel dock</b>						
<b>Attendant/employee operate fuel pumps</b>						
<b>Pump has automatic shut-off</b>						
<b>Absorbent pads on fuel dock</b>						
<b>Signs on Dock re:spill prevention</b>						
<b>Boat Launch Ramp</b>				X		
<b># Boats /summer wknd day</b>				10		
<b>Boat Launch Ramp Nearby</b>		X	X			
<b>Name of the Launch Ramp</b>		Shelter Island Launch Ramp	Shelter Island Launch Ramp			City of Coronado Boat Launch Ramp
<b># Boats/summer wknd day</b>						
<b>Marina Would like to receive more info</b>			X	X		
<b>Interested in info materials for boaters</b>			X	X		X
<b>OK to recontact in future</b>			X	X		X

SAN DIEGO COUNTY (Cont'd)

Marina	Seaforth Marina	Sun Road Resort Marina	Marina Village Marina	Islandia Marina	Islandia Sportfishing and Fuel Dock	Bahia Hotel Marina
<b>Current Mailing Address</b>	1677 Quivira Rd., San Diego, 92109	955 Harbor Island Dr., San Diego, 92101	1936 Quivira Way, San Diego, 92109	1441 Quivira Rd., San Diego, 92109	1551 W. Mission Bay Dr., San Diego, 92109	998 W. Mission Bay Dr., San Diego, 92109
<b>Contact</b>	Bob Buckman	Scott Maclaggan	Jerry Charest	Lee Davis	John Taylor	Al Berry
<b>Phone #</b>	619/224-6807	619/574-0736	619/224-3125	619/224-1234	619/222-1164	858/539-7695
<b>Used Oil Disposal</b>		X				
<b>Open to the Public</b>						
<b>For tenants only</b>		X (but won't turn anyone away)				
<b>Hours</b>		8am-5pm daily				
<b>16-cent rebate</b>						
<b>Used Oil Collected/mo.</b>		very little -- hardly ever used				
<b>Like to be Included on Map</b>						
<b>Paints, Solvents, HW disposal</b>						
<b>Oily Bilge Pumpout</b>						
<b>Bilge Pump-Out Hours</b>						
<b>\$ of Bilge pump-out</b>						
<b>Where is Bilge Pump-Out</b>						
<b>Amt of Bilge Water Pumped/mo.</b>						
<b>System Separate Oil</b>						
<b>How much Oil collected/mo</b>						
<b>Absorbent pads for spills or bilge</b>	X (emergency)	X	X (smaller socks and pads as well as "emergency response kits")		X	X
<b>Charge for Pads</b>	tenant is billed replacement cost	billed for replacement cost	billed for replacement cost		no cost	no cost
<b>Where pads are distributed</b>		office	storage on-site		office	office
<b>Collect Used Pads</b>		tenant is responsible for proper disposal	X		X	
<b>Where used pads are stored</b>			on-site storage		on-site storage	
<b>Kind of container for used pads</b>			double-walled container (for major spills)		55-gallon metal drum	
<b>How many pads collected/mo</b>			20-30 per year		30-40 per year	
<b>Fuel Dock</b>					X	
<b>Attendant on fuel dock</b>						
<b>Attendant/employee operate fuel pumps</b>						
<b>Pump has automatic shut-off</b>					X (currently waiting to be installed)	
<b>Absorbent pads on fuel dock</b>					X	
<b>Signs on Dock re:spill prevention</b>						
<b>Boat Launch Ramp</b>						
<b># Boats /summer wknd day</b>						
<b>Boat Launch Ramp Nearby</b>		X		X	X	
<b>Name of the Launch Ramp</b>		Shelter Island		Public Dock across the way	Public Dock across the way	
<b># Boats/summer wknd day</b>						
<b>Marina Would like to receive more info</b>	X	X	X	X	X	X
<b>Interested in info materials for boaters</b>	X	X	X	X	X	X
<b>OK to recontact in future</b>	X	X	X	X	X	X

SAN DIEGO COUNTY (Cont'd)

<b>Marina</b>	Loews Marinas (Coronado Bay Marina & Crown Isle Marina)	Bay Club Hotel and Marina (operated by Half Moon Anchorage)	Half Moon Anchorage			
<b>Current Mailing Address</b>	4000 Coronado Bay Rd., Coronado, 92118	2131 Shelter Island Dr., San Diego, 92106	2131 Shelter Island Drive, San Diego 92106			
<b>Contact</b>	Fred Clarck	Ann Miller	Ann Miller			
<b>Phone #</b>	619/424-4455	619/224-8888	619/ 224-3401			
<b>Used Oil Disposal</b>	X					
<b>Open to the Public</b>	X (Hazmat services with Loews Hotels)					
<b>For tenants only</b>						
<b>Hours</b>	8am-5pm daily					
<b>16-cent rebate</b>						
<b>Used Oil Collected/mo.</b>						
<b>Like to be Included on Map</b>						
<b>Paints, Solvents, HW disposal</b>						
<b>Oily Bilge Pumpout</b>						
<b>Bilge Pump-Out Hours</b>						
<b>\$ of Bilge pump-out</b>						
<b>Where is Bilge Pump-Out</b>						
<b>Amt of Bilge Water Pumped/mo.</b>						
<b>System Separate Oil</b>						
<b>How much Oil collected/mo</b>						
<b>Absorbent pads for spills or bilge</b>	X	X (emergency)				
<b>Charge for Pads</b>	billed for replacement cost	billed for replacement cost				
<b>Where pads are distributed</b>	office	office				
<b>Collect Used Pads</b>	X					
<b>Where used pads are stored</b>	on site storage					
<b>Kind of container for used pads</b>	50 gallon Haz waste drum					
<b>How many pads collected/mo</b>	5-10 per year					
<b>Fuel Dock</b>						
<b>Attendant on fuel dock</b>						
<b>Attendant/employee operate fuel pumps</b>						
<b>Pump has automatic shut-off</b>						
<b>Absorbent pads on fuel dock</b>						
<b>Signs on Dock re:spill prevention</b>						
<b>Boat Launch Ramp</b>						
<b># Boats /summer wknd day</b>						
<b>Boat Launch Ramp Nearby</b>	X	X				
<b>Name of the Launch Ramp</b>	Glorietta Bay	Shelter Island				
<b># Boats/summer wknd day</b>						
<b>Marina Would like to receive more info</b>	X		X			
<b>Interested in info materials for boaters</b>	X		X			
<b>OK to recontact in future</b>	X		X			

