

Harbor Safety Committee

of the San Francisco Bay Region

*Mandated by the California Oil Spill
Prevention and Response Act of 1990*

Harbor Safety Committee of the San Francisco Bay Region

Thursday, May 14, 2015

Port of San Francisco

Pier 1 Conference Center

The Embarcadero

San Francisco, CA

Capt. Lynn Korwatch (M), Marine Exchange of the San Francisco Bay Region (Marine Exchange), Chair of the Harbor Safety Committee (HSC); called the meeting to order at 10:03.

Alan Steinbrugge (A), Marine Exchange, confirmed the presence of a quorum of the HSC.

Committee members (M) and alternates (A) in attendance with a vote: **Jim Anderson** (M), CA Dungeness Crab Task Force; **John Berge** (M), Pacific Merchant Shipping Association; **Mary Brown** (M), Horizon Lines; **Capt. Robert Carr** (A), San Francisco Bar Pilots; **Michelle Connolly** (A), Chevron Shipping Corp; **Capt. Tom Dougherty** (M), Blue & Gold Fleet; **Jeff Ferguson** (M), NOAA; **Aaron Golbus** (M), Port of San Francisco; **Bob Gregory** (A), Foss Maritime Company; **Jim McGrath** (M), Bay Conservation and Development Commission; **Lt.Col. John Morrow**, (M), US Army Corps of Engineers; **Bill Needham** (A), National Boating Federation; **Griffin Patrick** (M), Tesoro Refining and Marketing; **Chris Peterson** (M), Port of Oakland; **Randy Scott** (A), Port of Benicia; **Rich Smith** (M), Westar Marine Services; **Capt. Greg Stump** (M), United States Coast Guard.

The meetings are always open to the public.

Approval of the Minutes-

A motion to accept the minutes of the April 9, 2015 meeting was made and seconded. The minutes were approved without dissent.

Comments by Chair- Capt. Lynn Korwatch

Welcomed the committee members and audience.

Coast Guard Report- Capt. Greg Stump

- Advised that the Coast Guard participated in a recent tabletop exercise involving emergency response to the simulated grounding of the SS Jeremiah O'Brien in SF Bay.
- Advised that it is whale season and many sightings have been reported offshore. Voluntary vessel speed restrictions have been put in place.

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- Advised that the Coast Guard's Facilities Industry Day, held on April 29, 2015 at CGI, was well attended and productive.
- Advised that the US DOT is holding a public comment period regarding the implementation of an eLoran system to backup GPS. Both GPS and eLoran are Position, Navigation and Timing (PNT) systems but GPS is more susceptible to disruption.
- LT Medina read from the April- 15 Prevention/Response Report (attached).

Army Corps of Engineers Report- Lt.Col. John Morrow

- Advised that the Corps is gearing up for the upcoming dredge season.
- Advised that the CA Water Board hearing regarding the Army Corps O&M Dredging EA/EIR took place yesterday. The BCDC hearing is scheduled for June 4, 2015.
- Jessica Burton Evans advised that the state approved the reduced hopper dredging option presented in the Corps' EA/EIR and that most dredging will be by clamshell. Solicitation of dredge contract bids will begin in early June starting with the Pinole Shoal contract.
- Jessica Burton Evans read from the US Army Corps of Engineers, San Francisco District Report (attached).

Clearing House Report- Alan Steinbrugge (report attached)

- Advised of minor changes to the Clearing House Report including the addition of a new category for Articulated Tug & Barge (ATB) transits.

OSPR Report- David Mighetto (no report)

NOAA Report- Jeff Ferguson

- Advised of last month's Hydrographic Survey Review in Long Beach, CA.
- Advised that NOAA is seeking feedback from professional mariners regarding NOAA products and services. A notification letter from Rear Admiral Glang includes a link to an online survey (attached).

State Lands Commission Report- Gary Pirkig (report attached)

- Capt. Korwatch noted that this year's oil transfers are relatively unchanged from last year during the same time period but that the number of tanker arrivals is down significantly. State Lands

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advised that both the trend towards larger tankers and the increase in ATB traffic account for the discrepancy.

Work Group Reports-

HSC Plan Update Work Group- Linda Scourtis advised that a vote on the updated plan is scheduled for the June HSC meeting. Details will be provided.

Tug Work Group- Bob Gregory advised that the Tug Work Group met on May 12, 2015. Escort tug training was discussed with the consensus being that tugs are now getting increased experience with “escort like” maneuvers due to the recent arrivals of ultra large vessels. Larger ships are now calling SF Bay providing regional tug operators with valuable on the job training using the full range of tractor tug capabilities. Simulator training was also recommended.

ATB escort regulations were discussed in light of the increased number of ATB transits now occurring. The Tug Work Group recommended that ATBs be required to follow OSPR tanker regulations as opposed to tug & barge regulations. A letter is being drafted for the next HSC meeting proposing that ATB escorted transits comply with the tanker matrix and other tanker escort regulations already in place. David Mighetto, OSPR, advised that he had attended the Tug Work Group meeting.

Navigation Work Group- nothing to report

Ferry Operations Work Group- nothing to report

Dredge Issues Work Group- Michelle Connolly advised that a Dredge Issues Work Group meeting will be held directly after today’s HSC meeting.

PORTS Work Group- Chris Peterson advised that a meeting is scheduled for next Monday with OSPR regarding PORTS funding.

Prevention through People Work Group- Bill Needham announced that the Safe Boating Expo will take place on Saturday, May 16, 2015 at USCG Station Golden Gate in Sausalito.

PORTS Report- Alan Steinbrugge

- Advised that the local PORTS system is fully operational with no problems to report at this time.

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Public Comment-

- Jim Haussener, CMANC, advised that funding is being reduced for the CDIP offshore buoy system which will lead to the decommissioning of buoys. The CDIP funding issue is similar to that faced by PORTS and only 300 thousand dollars is needed to operate the entire system. Jim McGrath advised that CDIP is a very important source of real-time data and suggested that the SF HSC draft a letter of support. Capt. Korwatch assigned the Navigation Work Group with examining the issue.

Old Business- None

New Business-

- The USCG announced that they are releasing a new boating safety app. Download information will be provided.

Next Meeting-

1000-1200, June 11, 2015
Port of Oakland
2nd Floor Board Room
530 Water Street
Oakland, CA

Adjournment-

A motion to adjourn was made and seconded. The motion passed without dissent and the meeting adjourned at 10:45.

Respectfully submitted:

Capt. Lynn Korwatch

PREVENTION / RESPONSE - SAN FRANCISCO HARBOR SAFETY STATISTICS

April-15

PORT SAFETY CATEGORIES*

	2015	2014	3yr Avg**
1. Total Number of Port State Control Detentions for period:	2	0	0.69
SOLAS (2), STCW (0), MARPOL (0), ISM (0), ISPS (0)			
2. Total Number of COTP Orders for the period:	2	10	5.94
Navigation Safety (2), Port Safety & Security (0), ANOA (0)			
3. Marine Casualties (reportable CG 2692) within SF Bay: Allision (1), Collision (0), Fire (0), Capsize (0), Grounding (0), Sinking (0), Steering (3), Propulsion (1), Personnel (0), Other (3), Power (0)	8	13	13.14
4. Total Number of (routine) Navigation Safety issues/Letters of Deviation: Radar (0) Gyro (2), Steering (0), Echo sounder (0), AIS (1), AIS-835 (7), ARPA (0), SPD LOG (2), R.C. (0), Other (2)	14	3	4.33
5. Reported or Verified "Rule 9" or other Navigational Rule Violations within SF Bay:	0	0	0.72
6. Significant Waterway events or Navigation related cases for the period:	0	0	0.47
7. Maritime Safety Information Bulletins (MSIBs): Dangerous Cargo Handling Requirements	1	2	0.47
Total Port Safety (PS) Cases opened for the period:	27	36	25.78

MARINE POLLUTION RESPONSE

Source Identification (Discharges):

VESSELS	2015	2014	3yr Avg**
U.S. Commercial Vessels	0	0	0.92
Foreign Freight Vessels	0	0	0.17
Public Vessels	0	2	0.94
Commercial Fishing Vessels	0	0	0.47
Recreational Vessels	2	4	4.58
FACILITIES			0.00
Regulated Waterfront Facilities	0	0	0.47
Regulated Waterfront Facilities - Fuel Transfer	0	0	0.00
Other Land Sources	0	3	1.69
Mystery Spills - Unknown Sources	3	3	4.61
Number of Oil/Hazmat Pollution Incidents within San Francisco Bay for Period			0.00
1. Spills < 10 gallons	2	5	6.97
2. Spills 10 - 100 gallons ((3) Spill <41 gallons, (1) Spills > 42 gallons)	0	4	1.08
3. Spills 100 - 1000 gallons	0	0	0.14
4. Spills > 1000 gallons	0	0	0.03
5. Spills - Unknown (MYSTERY SHEENS)	3	3	5.19
Total:	5	12	13.25
TOTAL OIL DISCHARGE AND HAZARDOUS MATERIALS RELEASE VOLUMES BY SPILL SIZE CATEGORY:			
1. Estimated spill amount from U.S. Commercial Vessels:	0	0	8.15
2. Estimated spill amount from Foreign Freight Vessels:	0	0	0.14
2. Estimated spill amount from Public Vessels:	0	11	5.28
3. Estimated spill amount from Commercial Fishing Vessels:	0	0	13.57
4. Estimated spill amount from Recreational Vessels:	3	64	13.37
5. Estimated spill amount from Regulated Waterfront Facilities:	0	0	7.74
6. Estimated spill amount from Regulated Waterfront Facilities - Fuel Transfer:	0	0	0.00
7. Estimated spill amount from Other Land Sources:	0	11	61.86
8. Estimated spill amount from Unknown sources: (MYSTERY SHEENS)	unk	3	4.40
TOTAL OIL DISCHARGE AND/OR HAZARDOUS MATERIAL RELEASE VOLUMES (GALLONS):	~3	89	114.48
Civil Penalty Cases for Period	0	0	0.11
Notice of Violations (TKs)	0	0	0.58
Letters of Warning	2	4	2.25
TOTAL PENALTY ACTIONS:	2	4	12.78

* NOTE: Values represent all cases within the HSC jurisdiction during the period. Significant cases are detailed in the narrative.

** NOTE: Values represent an average month over a 36 month period for the specified category of information.

SIGNIFICANT PORT SAFETY AND SECURITY CASES (April 2015)

MARINE CASUALTIES

Reduction in Propulsion (31MAR15/01APR15): A foreign flag tank vessel experienced a reduction in propulsion while transiting from Martinez to Anchorage 9. The vessel regained full propulsion and maintained a two tug escort to Anch 9 and was issued a COTP order to remain at Anchorage pending documentation of proper operation of the main engines. Causative factor was determined to be an inappropriate setting on the limit switch. Coast Guard inspectors attended and witness satisfactory operation of the engines. Case Closed. Reduction was not attributed to fuel switching.

Equipment Failure (01APR15): A U.S. flag ferry vessel experienced an equipment failure while transiting to Tiburon. The equipment failure occurred due to a loss of coolant causing the starboard engine to overheat. A CG 835 No Sail was issued. Case Pends

Equipment Failure (11APR15): A U.S. flag tank vessel experienced an equipment failure while in Anchorage 9. The vessels pneumatics audible alarm for the fixed CO2 system was inoperable. A CG-835 No Sail was issued. CG attended the vessel and witnessed satisfactory operation of the pneumatic audible alarm. The cause was inadequate CO2 pressure reaching the sirens due to a leak in the compression fittings. CG-835 No Sail was lifted. Case Closed.

Reduction in Propulsion (12APR15): A U.S. flag passenger vessel experienced an equipment failure resulting in reduction in propulsion while underway due to a bad fuel injector and was not attributed to fuel switching. A CG 835 No-Sail was issued pending a technicians report. Coast Guard attended the vessel and cleared CG-835 No Sail. Case Closed.

Loss of propulsion (14APR15): A U.S. flag passenger vessel experienced a loss of propulsion while underway. CG 835 No-sail was issued. LOP was due to a broken prop shaft U-joint. Coast Guard inspectors approved proper operation of propulsion system and CG 835 No- Sail was lifted. LOP was not attributed to fuel switching. Case Closed.

Loss of Steering (21APR15): A U.S. flag passenger vessel experienced a loss of steering while mooring at in San Francisco. Cause was a loose fuse in the operating station. Vessel was removed from service and made repairs. Coast Guard inspectors witnessed satisfactorily operation of the steering and cleared CG-835. Case Closed.

Allision (24APR15): A U.S. flag ferry vessel experienced an allision while mooring at San Francisco. The vessel allided with Pier 31 in San Francisco and punctured a hole on the port side of the vessel 2 ft above the water line. The damage occurred in the fuel tank void. A CG 835 No-Sail was issued. The causal factors for this incident remain under investigation. Case Pends.

VESSEL SAFETY CONDITIONS

Vessel Detention (14APR15): A foreign bulk freight vessel was detained due to the crew's failure to successfully complete two fire fighting drills. Class and Coast Guard witnessed proper fire fighting drills and the detention was lifted. Case Closed

Vessel Detention (27APR15): A foreign tank vessel was inspected in Benicia and detained due to port side lifeboat not being able to be fully retrieved into a stowed position as designed due to faulty winch brake. Class and Coast Guard witnessed proper operation of the lifeboat davit and the detention was lifted. Case Closed .

GENERAL SAFETY CASES

NSTR

NAVIGATIONAL SAFETY

Letter of Deviation(LOD) Inop Magnetic Compass (17APR15): Vsl issued an inbound/outbound LOD.

Letter of Deviation (LOD) Inop Speed Log (13APR15): Vsl issued an inbound/ outbound LOD.

Letter of Deviation (LOD) Inop Gyro Compass (24APR15): Vsl issued an inbound/ outbound LOD.

Letter of Deviation (LOD) Inop AIS Pilot Plug (25APR15): Vsl issued an inbound LOD.

SIGNIFICANT INCIDENT MANAGEMENT DIVISION CASES

LETTER OF WARNING (05APR15): A 50 foot pleasure craft sank at Portobello Marina, Oakland with an unknown pollution potential. As attempts to contact the responsible party were unsuccessful, the Oil Spill Liability Trust Fund was opened for \$20,000. An environmental contractor was hired to deploy containment boom and conduct a pollution assessment. Thirty gallons of oily water, 5 gallons of gasoline, and 10 marine batteries were offloaded from the vessel.

**Initial incident occurred outside of HSC jurisdiction

**Harbor Safety Committee
Of the San Francisco Bay Region**

**Report of the
U.S. Army Corps of Engineers, San Francisco District
May 14, 2015**

1. CORPS O&M DREDGING PROGRAM

The following is this year's O & M dredging program for San Francisco Bay. The FY15 O&M dredging program is subject to change, please refer to the Local Notice to Mariner for details dredge operations.

- a. **FY15 Main Ship Channel** – Contract hopper dredging scheduled for June 2015. **No change.**
 - b. **FY15 Richmond Inner Harbor** – Contract clamshell dredging scheduled to start October 2015. **No change.**
 - c. **FY15 Richmond Outer Harbor (and Richmond Long Wharf)** – Contract clamshell or hopper dredging scheduled to **start September 2015.**
 - d. **FY15 Pinole Shoal** – Contract hopper or clamshell dredging scheduled to start August 2015. **No change.**
 - e. **FY15 Suisun Bay Channel (and New York Slough)** – **Contract clamshell** dredging scheduled to start August 2015.
 - f. **FY15 Oakland Harbor Dredging** – Contract clamshell dredging scheduled to **start September 2015.**
 - g. **FY14 Redwood City Harbor** – Contract was awarded to R.E. Staite (clamshell) on 29 September 2014 and dredging started on 25 October 2014. Phase I dredging (reaches 1 through 5A to -28 ft MLLW) was completed 12 December 2014. **Phase II (reaches 1 through 5A to -29 ft MLLW) is scheduled to start on 15 June 2015.**
 - h. **FY15 Redwood City Harbor** - Contract clamshell dredging (all reaches to -30 ft MLLW) scheduled to start September 2015. **No change.**
- 2. DEBRIS REMOVAL** – **Debris removal for April 2015 was 27 tons (Dillard: 17 tons; Small boat/other 3; overall debris collected included 6 abandoned vessels weighing 7 tons total). Average for April from 2005 to 2014 is 63.3 tons. (Range: 26 – 112.5 tons).**

BASEYARD DEBRIS COLLECTION TOTALS:

MONTH	RACCOON	DILLARD	MISC	TOTAL
2015	TONS	TONS	TONS	TONS
JAN	0	45	15	60
FEB	0	49.5	7	56.5
MAR	7.5	21.5	0	29
APR	0	17	10	27
MAY				
JUN				
JUL				
AUG				
SEP				
OCT				
NOV				
DEC				

YR TOTAL
172.5

3. UNDERWAY OR UPCOMING HARBOR IMPROVEMENTS

None to report.

4. EMERGENCY (URGENT & COMPELLING) DREDGING

No urgent dredging in 2015.

5. OTHER WORK

San Francisco Bay to Stockton - This project received \$800,000 in the FY 14 work plan. Continuing to make progress on project study.

HYDROGRAPHIC SURVEY UPDATE

Address of Corps' web site for completed hydrographic surveys:

<http://www.spn.usace.army.mil/Missions/Surveys,StudiesStrategy/HydroSurvey.aspx>

The following surveys are posted;

Alameda Point Navigation Chanel: Condition survey of Nov. 2014.
Berkeley Marina (Entrance Channel): Condition survey of September 23, 2104.
Bull's Head Shoal: February 15, 2013 condition survey.
Islais Creek Channel: Condition survey of September 25, 2014.
Main Ship Channel: Post-dredge survey of June 24-25, 2014.
Mare Island Strait: Condition survey of September 24, 2014.
Marinship Channel (Richardson Bay): Condition survey of September 21, 2014.
Napa River: Condition surveys of 23-24 October 2014.
New York Slough: Condition survey of February 2-4, 2015.
Northship Channel: September 16-20, 2014 condition survey.
Oakland Entrance Channel: Post-dredge survey of Dec 2014 – Jan 2105.
Oakland Inner Harbor: Post-dredge survey (Reach 2) of Dec 2014 – Jan 2105.
Oakland Inner Harbor Turning Basin: As above.
Oakland Outer Harbor: As above.
Petaluma River: Condition survey of mid-September 2014.
Pinole Shoal Channel: Condition survey of February 24-25.
Redwood City Harbor: Post-dredge survey of Nov/Dec, 2014.
Richmond Inner Harbor: Reaches 4 and 9 post-dredge survey of March 12-13, 2015.
Richmond Outer Harbor (Longwharf): Post-dredge survey of Dec, 2014.
Richmond Outer Harbor (Southampton Shoal): Post-dredge survey of July 18-23, 2014.
Sacramento River Deep Water Ship Channel: Condition Survey April 2015.
San Bruno Shoal: Condition survey of April 15, 2014.
San Leandro Marina (and Channel): Condition survey of March 30 – April 1, 2015.
San Rafael Across-the-Flats / San Rafael Creek: Condition surveys of May 2013.
Suisun Bay Channel: Condition survey of February 6-18, 2015.

Disposal Site Condition Surveys:

SF-08 (Main Ship Channel Disposal Site): Condition survey of March 2013
SF-09 (Carquinez): Condition survey of March 2, 2015.
SF-10 (San Pablo Bay): Condition survey of March 2, 2015.
SF-11 (Alcatraz Island): Condition Survey of April 3, 2015.
SF-16 (Suisun Bay Disposal Site): Condition survey of May, 2012.
SF-17 (Ocean Beach Disposal Site): Condition survey of March 2013.

NEW WEB ADDRESS – USACE WORK PLAN: www.usace.army.mil/missions/civilworks/budget.



Harbor Safety Committee of the
San Francisco Bay Region Clearing House
c/o Marine Exchange of the San Francisco Bay Region
505 Beach Street, Suite 300
San Francisco, California 94133-1131
415-441-6600 fax 415-441-3080 hsc@sfmtx.org

San Francisco Clearinghouse Report

May 14, 2015

- ✎ In April the clearinghouse did not contact OSPR regarding any possible escort violations.
- ✎ In April the clearinghouse did not receive any notifications of vessels arriving at the Pilot Station without escort paperwork.
- ✎ The Clearinghouse contacted OSPR 1 time so far in 2015 about possible escort violations. The Clearinghouse contacted OSPR 5 times regarding possible escort violations in 2014. The Clearinghouse contacted OSPR 1 time in 2013. The Clearinghouse contacted OSPR 3 times in 2012 regarding any possible escort violations, 3 times in 2011, 6 times in 2010, 8 time 2009; 4 times 2008; 9 times in 2007; 9 times in 2006; 16 times in 2005; 24 times in 2004; twice in 2003; twice in 2002; 6 times in 2001; 5 times in 2000.
- ✎ In April there were 94 tank vessel arrivals; 11 ATB's, 4 Chemical Tankers, 14 Chemical/Oil Tankers, 19 Crude Oil Tankers, 3 LPG's, 19 Product Tankers, and 24 Tugs with Barges.
- ✎ In April there were 252 total arrivals.

San Francisco Bay Clearinghouse Report For April 2015

San Francisco Bay Region Totals

	<u>2015</u>		<u>2014</u>		
Tanker arrivals to San Francisco Bay	59		71		
ATB arrivals	11				
Barge arrivals to San Francisco Bay	24		33		
Total Tanker and Barge Arrivals	94		104		
Tank ship movements & escorted barge movements	324		340		
Tank ship movements	155	47.84%	160	47.06%	
Escorted tank ship movements	95	29.32%	112	32.94%	
Unescorted tank ship movements	60	18.52%	48	14.12%	
Tank barge movements	169	52.16%	180	52.94%	
Escorted tank barge movements	40	12.35%	41	12.06%	
Unescorted tank barge movements	129	39.81%	139	40.88%	

Percentages above are percent of total tank ship movements & escorted barge movements for each item.

Escorts reported to OSPR 0 0

Movements by Zone	Zone 1	%	Zone 2	%	Zone 4	%	Zone 6	%	Total	%
Total movements	196		317		0		135		648	
Unescorted movements	108	55.10%	182	57.41%	0	0.00%	77	57.04%	367	56.64%
Tank ships	78	39.80%	128	40.38%	0	0.00%	55	40.74%	261	40.28%
Tank barges	30	15.31%	54	17.03%	0	0.00%	22	16.30%	106	16.36%
Escorted movements	88	44.90%	135	42.59%	0	0.00%	58	42.96%	281	43.36%
Tank ships	68	34.69%	95	29.97%	0	0.00%	42	31.11%	205	31.64%
Tank barges	20	10.20%	40	12.62%	0	0.00%	16	11.85%	76	11.73%

Notes:

1. Information is only noted for zones where escorts are required.
2. All percentages are percent of total movements for the zone.
3. Every movement is counted in each zone transited during the movement.
4. Total movements is the total of all unescorted movements and all escorted movements.

San Francisco Bay Clearinghouse Report For 2015

San Francisco Bay Region Totals

	<u>2015</u>		<u>2014</u>	
Tanker arrivals to San Francisco Bay	250		721	
ATB arrivals	48			
Barge arrivals to San Francisco Bay	95		288	
Total Tanker and Barge Arrivals	345		1,009	
Tank ship movements & escorted barge movements	1,304		3,387	
Tank ship movements	669	51.30%	1,748	51.61%
Escorted tank ship movements	420	32.21%	1,188	35.08%
Unescorted tank ship movements	249	19.10%	560	16.53%
Tank barge movements	635	48.70%	1,639	48.39%
Escorted tank barge movements	161	12.35%	401	11.84%
Unescorted tank barge movements	474	36.35%	1,238	36.55%

Percentages above are percent of total tank ship movements & escorted barge movements for each item.

Escorts reported to OSPR

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Movements by Zone	Zone 1	%	Zone 2	%	Zone 4	%	Zone 6	%	Total	%
Total movements	781		1,252		0		551		2,584	
Unescorted movements	386	49.42%	682	54.47%	0	0.00%	307	55.72%	1,375	53.21%
Tank ships	283	36.24%	467	37.30%	0	0.00%	198	35.93%	948	36.69%
Tank barges	103	13.19%	215	17.17%	0	0.00%	109	19.78%	427	16.52%
Escorted movements	395	50.58%	570	45.53%	0	0.00%	244	44.28%	1,209	46.79%
Tank ships	313	40.08%	417	33.31%	0	0.00%	173	31.40%	903	34.95%
Tank barges	82	10.50%	153	12.22%	0	0.00%	71	12.89%	306	11.84%

Notes:

1. Information is only noted for zones where escorts are required.
2. All percentages are percent of total movements for the zone.
3. Every movement is counted in each zone transited during the movement.
4. Total movements is the total of all unescorted movements and all escorted movements.



CALIFORNIA STATE LANDS COMMISSION

HARBOR SAFETY COMMITTEE MONTHLY REPORT - APRIL COMPARISON

VESSEL TRANSFERS

	Total Transfers	Total Vessel Monitors	Total Transfer Percentage
APRIL 1 - 30, 2014	229	93	40.61
APRIL 1 - 30, 2015	205	66	32.20

CRUDE OIL / PRODUCT TOTALS

	Crude Oil (D)	Crude Oil (L)	Overall Product (D)	Overall Product (L)	GRAND TOTAL
APRIL 1 - 30, 2014	12,402,000	0	17,439,335	9,491,904	26,931,239
APRIL 1 - 30, 2015	12,966,000	210,000	17,224,296	9,720,601	26,944,897

OIL SPILL TOTAL

	Terminal	Vessel	Facility	Total	Gallons Spilled
APRIL 1 - 30, 2014	0	0	0	0	0
APRIL 1 - 30, 2015	0	0	0	0	0

*** Disclaimer:

Please understand that the data is provided to the California State Lands Commission from a variety of sources; the Commission cannot guarantee the validity of the data provided to it.



UNITED STATES DEPARTMENT OF COMMERCE
National Oceanic and Atmospheric Administration
NATIONAL OCEAN SERVICE
Office of Coast Survey
Silver Spring, Maryland 20910-3282

Dear NOAA Customer,

The National Oceanic and Atmospheric Administration's (NOAA) Office of Coast Survey (OCS) wants to know you are satisfied with our products, services and data, and if you have suggestions as to how we can improve them. This information will be used to enhance our abilities to better meet your needs.

The survey has two tracks, one for professional maritime users of our products and data and another for recreational users. Both portions of the survey are built from trends previously gathered from similar surveys conducted by NOAA's Office of Coast Survey. You will only be asked to fill out one section of the survey; whichever is most pertinent to your interests. Either track should take no more than 10 minutes of your time. Please [Click here](#) to complete the online questionnaire.

The data collected from this survey will be analyzed according to the specifications of the Market Research Society's Code of Conduct, assuring confidentiality to participants. Answers to the questionnaire will only be used for statistical analysis.

When you complete the questionnaire click "SUBMIT" and wait for the Office of Coast Survey website to be displayed to ensure your responses were received. A company that specializes in research on Charts and other navigation products called Strategy, Research & Action Inc., will receive and analyze the surveys and provide NOAA with statistical results.

Please complete the survey by June 1, 2015.

If you have any questions, comments, or concerns regarding this survey or any other aspect of this collection of information, please contact Matthew Kroll (matt.kroll@noaa.gov), National Ocean Service, 1315 East-West Highway, SSMC3, Room 6350, N/CS5, Silver Spring, Maryland 20910.

We appreciate your help and look forward to hearing from you.

Sincerely,

A handwritten signature in black ink that reads "Gerd F. Glang". The signature is written in a cursive style.

Rear Admiral Gerd F. Glang
Director

