

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, November 13, 2014

San Francisco Exploratorium, Observatory

Pier 15, 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 10:15.

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: **Capt. Esam Amso** (M), Valero Marketing and Supply Company; **Mary Brown** (M), Horizon Lines; **Michelle Connolly** (A), Chevron Shipping Corp.; **MGR Adam Czekanski**, (M), US Army Corps of Engineers; **Jeff Ferguson** (M), NOAA; **Aaron Golbus** (M), Port of San Francisco; **Bob Gregory** (M), Foss Maritime; **Capt. Bruce Horton** (M), San Francisco Bar Pilots; **Bill Needham** (A), National Boating Federation; **Jeff Robbins** (A), General Steam Ship; **Linda Scourtis** (A), Bay Conservation and Development Commission; **Deb Self** (M), San Francisco Bay Keeper; **Capt. Ray Shipway** (M), Int'l Org. of Master, Mates & Pilots; **Capt. Greg Stump** (M), United States Coast Guard; **Greg Zeligman** (A), Starlight Marine Services.

The meetings are always open to the public.

Approval of the Minutes-

A motion to accept the minutes of the October 9, 2014 meeting was made and seconded. The minutes were approved without dissent.

Comments by Chair- Capt. Lynn Korwatch

Welcomed the committee members and audience. Thanked the Exploratorium for hosting this month's meeting.

- Mary Miller, San Francisco Exploratorium, welcomed the HSC and highlighted the partnerships the Exploratorium has with NOAA, UC Davis, USCG, Bar Pilots and the HSC among others.

Coast Guard Report- Capt. Greg Stump

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- Advised that the Trans Bay Cable remediation is expected to be completed by early December.
- Advised that the US Attorney has indicated that they will pursue charges against the American stowaway involved in a September 21, 2014 incident. Due to a lack of legal statute, the USCG was initially forced to release the stowaway without charge.
- Advised of a nationwide USCG Safety Alert regarding bilge pump issues affecting Duck Boats.
- Advised that the cruise ship Star Princess is at dry dock for maintenance.
- Advised of a recent incident in Bodega Bay in which a rogue wave capsized a fishing vessel. Four out of the five people on board the vessel died and life vests were not in use.
- Advised that the USCG is assisting with Ebola monitoring at airports. There are currently no Ebola cases in the US.
- Advised that Fleet Week was a big success and demonstrated the partnerships among organizations in the SF region.
- Advised that Cmdr. Williamson had departed and that Cmdr. Amy Wirts is acting Chief.
- Advised that the USCG is preparing an organizational document for the public to better understand the different divisions and areas of responsibility within the Coast Guard such as Prevention, Waterways, Sector and VTS.
- Lt. Medina read from the October-14 Prevention/Response Report (attached).
- Capt. Bruce Horton, Bar Pilots, asked for an update on the derelict tugs in Anchorage 5. Capt. Stump advised that there have been several issues regarding the tugs drifting and endangering other vessels and the Richmond Long Wharf. Penalties are being considered. The tugs now have a contract to be docked at Richmond for three months.

Army Corps of Engineers Report- MGR Adam Czekanski

- Advised that both the Raccoon and Dillard are back on the water after maintenance and will be available for debris removal during the rainy season.
- Advised that the 2015-2024 maintenance dredging EA/EIR is set for release in early December. There is a 45 day comment period and feedback is welcome.
- Rob Lawrence read from the US Army Corps of Engineers, San Francisco District Report (attached).

Clearing House Report- Alan Steinbrugge (report attached)

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OSPR Report- David Mighetto

- Advised that the West Coast Harbor Safety Summit took place on October 28th in Napa and that OSPR's Spill Prevention and Response Day took place on November 4th in Long Beach. The next Spill Prevention and Response Day will be held in May, 2015.
- Advised that Capt. Jeff Cowan, NAVSAC-Member, has indicated that the NAVSAC meeting has been postponed until January, 2015.

NOAA Report- Jeffrey Ferguson

- Jeffrey Ferguson, NOAA California Navigation Manager, introduced himself as the new SF HSC member representing NOAA. (jeffrey.ferguson@noaa.gov)
- Logan Johnson, NWS meteorologist, gave a presentation to the HSC on the Winter Outlook for the SF region and possibility of El Nino. The presentation slides are available on the SF Marine Exchange website (www.sfmex.org) under HSC Agenda. El Nino is measured at the equator and indicated by warming ocean temperatures. There is currently a 58% chance of El Nino developing this year but it is predicted to be weak. Although Strong El Nino events are associated with increased rainfall in our region, weak El Ninos are not. It is expected to be warmer than normal this winter with an equal chance of being wetter or drier than average. Southern California is predicted to be wetter than average. Our region is classified as being in Exceptional Drought due to lack of rain and having experienced the warmest four years on record. The drought is expected to improve in southern California and along the coast but continue inland. Logan Johnson also highlighted new products and services provided by the NWS such as the Weather Ready Nation (WRN) program and NWS website. This winter the NWS will be using High Wind Warnings and Coastal Flood Statements. E-mail briefings and spot forecasts are available for core partners. The NWS is also active on social media.

State Lands Commission Report- (report attached)

Work Group Reports-

Tug Work Group- Bob Gregory advised that there was nothing to report.

Navigation Work Group- Capt. Bruce Horton advised that the Overseas Reymar report would be released soon.

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Ferry Operations Work Group- nothing to report. Capt. Korwatch advised that a VMAP briefing is scheduled for November 18, 2014 at Pier 41.

Dredge Issues Work Group- Capt. Esam Amso advised that there was nothing to report.

PORTS Work Group- nothing to report.

Prevention through People Work Group- nothing to report.

Plan Work Group - Capt. Korwatch advised that a meeting to discuss the HSC Work Group Plan is scheduled for December 4, 2014 at State Lands.

PORTS Report- Alan Steinbrugge

- Advised that progress continues to be made towards getting the Bay Bridge Air Gap Sensor online. Capt. Korwatch advised that a study is being conducted regarding adding a bike lane to the western span of the Bay Bridge which could affect clearance.
- Advised that the Pier 27 weather station is moving forward.

Public Comment-

- Kurt Birkhahn, MARAD, advised that feedback is welcome regarding the emergency response plans for Pier 80. MARAD vessels participated in Fleet Week.

Old Business- None

New Business-

- Capt. Korwatch advised that the December HSC meeting has been canceled and that the January meeting will be held at Cal Maritime's new Marine Safety and Security Center in Richmond. Directions will be provided.
- Ray Paetzold, Bar Pilots, announced that the annual Bar Pilot party is on December 11, 2014.

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Next Meeting-

1000-1200, January 8, 2015

Port of Richmond

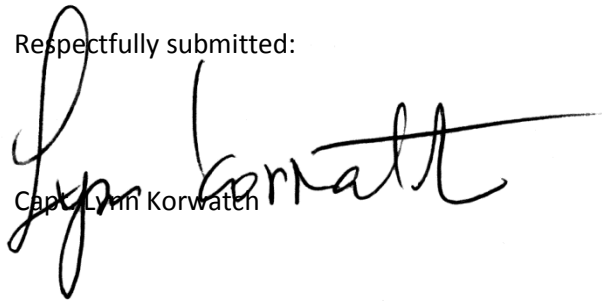
CA Maritime Academy, Richmond Maritime Safety and Security Center

756 West Gertrude Street, Richmond, CA

Adjournment-

A motion to adjourn was made and seconded. The motion passed without dissent and the meeting adjourned at 11:27.

Respectfully submitted:

A handwritten signature in black ink, appearing to read "Lynn Korwath". The signature is written in a cursive style with a long horizontal stroke extending to the right.

Capt. Lynn Korwath

PREVENTION / RESPONSE - SAN FRANCISCO HARBOR SAFETY STATISTICS

October-14

PORT SAFETY CATEGORIES*

	Oct 2014	Oct 2013	3yr Avg**
1. Total Number of Port State Control Detentions for period:	0	1	0.56
SOLAS (0), STCW (0), MARPOL (0), ISM (0), ISPS (0)			
2. Total Number of COTP Orders for the period:	5	5	6.39
Navigation Safety (2), Port Safety & Security (2), ANOA (1)			
3. Marine Casualties (reportable CG 2692) within SF Bay:	13	22	12.94
Allision (1), Collision (1), Fire (0), Capsize (0), Grounding (0), Sinking (0), Steering (3), Propulsion (3), Personnel (0), Other (3), Power (2)			
4. Total Number of (routine) Navigation Safety issues/Letters of Deviation:	1	4	4.28
Radar (1) Gyro (0), Steering (0), Echo sounder (0), AIS (0), AIS-835 (0), ARPA (0), SPD LOG (0), R.C. (0), Other (0)			
5. Reported or Verified "Rule 9" or other Navigational Rule Violations within SF Bay:	1	1	0.75
6. Significant Waterway events or Navigation related cases for the period:	0	1	0.47
7. Maritime Safety Information Bulletins (MSIBs):	0	0	0.42
Total Port Safety (PS) Cases opened for the period:	20	34	25.81

MARINE POLLUTION RESPONSE

Source Identification (Discharges):

VESSELS	Oct 2014	Oct 2013	3yr Avg**
U.S. Commercial Vessels	0	4	1.00
Foreign Freight Vessels	0	0	0.14
Public Vessels	1	0	0.89
Commercial Fishing Vessels	1	1	0.42
Recreational Vessels	3	5	3.86

FACILITIES

Regulated Waterfront Facilities	0	0	0.33
Regulated Waterfront Facilities - Fuel Transfer	0	0	0.03
Other Land Sources	1	1	1.75
Mystery Spills - Unknown Sources	10	1	4.28

Number of Oil/Hazmat Pollution Incidents within San Francisco Bay for Period

1. Spills < 10 gallons	5	3	6.36
2. Spills 10 - 100 gallons	1	2	0.89
3. Spills 100 - 1000 gallons	0	2	0.14
4. Spills > 1000 gallons	0	0	0.11
5. Spills - Unknown	10	5	4.92
Total:	16	12	12.42

TOTAL OIL DISCHARGE AND HAZARDOUS MATERIALS RELEASE VOLUMES BY SPILL SIZE CATEGORY:

1. Estimated spill amount from U.S. Commercial Vessels:	0	161	17.51
2. Estimated spill amount from Foreign Freight Vessels:	0	0	0.08
2. Estimated spill amount from Public Vessels:	0.125	0	5.14
3. Estimated spill amount from Commercial Fishing Vessels:	50	162	14.43
4. Estimated spill amount from Recreational Vessels:	7.5	24	10.13
5. Estimated spill amount from Regulated Waterfront Facilities:	0	0	4.88
6. Estimated spill amount from Regulated Waterfront Facilities - Fuel Transfer:	0	0	0.00
7. Estimated spill amount from Other Land Sources:	0.1	0	147483.20
8. Estimated spill amount from Unknown sources: mystery sheens	unk	1	5.35

TOTAL OIL DISCHARGE AND/OR HAZARDOUS MATERIAL RELEASE VOLUMES (GALLONS):

Civil Penalty Cases for Period	1	0	0.11
Notice of Violations (TKs)	0	2	0.47
Letters of Warning	3	1	1.86
TOTAL PENALTY ACTIONS:	4	3	13.17

* 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 (October 2014)

MARINE CASUALTIES

Loss of Propulsion (11OCT14): A U.S. flagged passenger vessel experienced a loss of propulsion while transiting to Pier 40. The vessel regained propulsion after several minutes and safely completed the transit. LOP was not attributed to fuel switching. Case closed.

Allision (12OCT14): A U.S. flagged ferry vessel allided with a pilling while mooring at Pier 41. 10 passengers were injured, but none seriously. Due to the minimal damage and the lack of serious injuries, only a preliminary investigation was done by the Coast Guard. Case closed.

Collision (14OCT14): A U.S. flagged towing vessel collided with another U.S. flagged towing vessel while mooring in Benicia. No injuries, pollution, or structural damage occurred. Due to the minimal damage and the lack of serious injuries, only a preliminary investigation was done by the Coast Guard. Case closed.

Loss of Steering (15OCT14): A U.S. flagged passenger vessel experienced a loss of steering while operating near Pier 39. The vessel contracted a tug to assist in bringing them back into port safely. A CG-835 No-Sail was issued. The cause of the failure was a feedback switch. CG witnessed operational test and lifted the No-Sail. Case closed.

Loss of Steering (18OCT14): A U.S. flagged ferry vessel experienced a loss of steering while operating near the SF Ferry Building. The loss of steering resulted from a generator shutdown. A CG-835 No-Sail was issued. After satisfactory operational tests on the generators and steering, the No-Sail was lifted. Case closed.

Loss of Propulsion (18OCT14): A foreign-flagged passenger vessel experienced a partial loss of propulsion while transiting ½ nm west of the Golden Gate Bridge. The vessel's port engine reverted to half motor operation due to a shutdown alarm. LOP was not attributed to fuel switching. Case pends.

Loss of Propulsion (19OCT14): A foreign-flagged container vessel experienced a loss of propulsion while 25 nm offshore and transiting inbound to Oakland. The vessel replaced a leaky fuel injector and reported operations normal. A COTP was issued requiring a tug escort into port and requiring class to determine causative factors and approve repairs. Class confirmed the injector caused the LOP, COTP order was lifted. LOP not attributed to fuel switching. Case closed.

Equipment Failure (21OCT14): A U.S. flagged passenger vessel experienced an equipment failure of the starboard generator while transiting between Alcatraz Island and Pier 33. A CG-835-No-Sail was issued. After successful operational test of the generator, the No-Sail was lifted. Case closed.

Loss of Steering (22OCT14): A U.S. flagged passenger vessel experienced a loss of steering while operating near Pier 27. The vessel moored at Pier 41 and offloaded passengers. No-Sail was issued. Case pends.

Equipment Failure (30OCT14): A U.S. flagged ferry vessel experienced an equipment failure of the port generator while transiting from Oakland to the SF Ferry Building. The company took the vessel out of service. A CG-835 was issued requiring the vessel to provide a tech report stating the causative factors and attesting to proper operation of the generator. Case pends.

VESSEL SAFETY CONDITIONS

Vessel Detention (01OCT14): A foreign-flagged bulk carrier vessel was inspected in Stockton and detained due to unsuitability of the primary lifesaving equipment. The break mechanism for controlling the release rate of the lifeboat was not working and therefore, not ready for immediate use. Repairs were completed to the satisfaction of the administration and the Coast Guard, detention was lifted. Case closed.

Vessel Detention (07OCT14): A foreign-flagged bulk freight vessel was inspected in Richmond and detained due to a lack of maintenance of critical equipment, and a blatant disregard for the Safety Management System. The crew failed two fire drills and one abandon ship drill; the vessel also had multiple fuel oil leaks. Received Class Report addressing each deficiency; COTP order and detention lifted. Case closed.

Operational Control (21OCT14): A U.S. flagged passenger vessel was inspected by Sector SF and issued a CG-835 No-Sail due to non-compliance with Vessel Security Plan (VSP) requirements and documentation. The vessel submitted a VSP and demonstrated proper documentation procedures. No-Sail was lifted. Case closed.

GENERAL SAFETY CASES

Nothing to Report

NAVIGATIONAL SAFETY

Letter of Deviation (LOD), Inop S-Band Radar (02OCT14): Vsl issued inbound LOD.

SIGNIFICANT INCIDENT MANAGEMENT DIVISION CASES

NOV (31OCT14): A 28 foot fishing vessel ran aground at Shelter Cove, Pacifica, discharging approximately 50 gallons of diesel. The Coast Guard hired a contractor to remove approximately 40 gallons of fuel remaining on board. The vessel broke up shortly after due to rough surf conditions. Pending enforcement. Case pends.

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

**Report of the
U.S. Army Corps of Engineers, San Francisco District
November 13, 2014**

1. CORPS O&M DREDGING PROGRAM

The following is this year's O & M dredging program for San Francisco Bay. The FY14 O&M dredging program is subject to change, please refer to the Local Notice to Mariner for details dredge operations.

- a. **FY14 Main Ship Channel** – Contract Hopper (BAYPORT) completed dredging in late June 2014.
- b. **FY14 Richmond Inner Harbor** – Contract clamshell, planned start mid to late-October 2014.
- c. **FY14 Richmond Outer Harbor (and Richmond Long Wharf)** – Government Hopper (ESSAYONS) completed dredging 27 June 2014 – 11 July 2014. Post-dredge survey is posted on the website.
- d. **FY14 Pinole Shoal** – Government Hopper (ESSAYONS), completed dredging 11-14 July 2014 and Government Hopper (YAQUINA) completed additional dredging 19-21 August 2014. Post-dredge survey from 6-12 August 2014 (ESSAYONS work) is posted on the website, post-dredge survey from 4 September 2014 (YAQUINA work) will be posted shortly.
- e. **FY14 Suisun Bay Channel (and New York Slough)** - Government Hopper (YAQUINA), completed dredging 11-29 August 2014. Post-dredge survey was completed 9-10 September 2014, and will be posted within 2 weeks .
- f. **FY14 Oakland O & M Dredging-** Contract #1 awarded to Dutra (clamshell), dredging started 1 August 2014 and is expected to be complete by 30 September 2014. Contract #2 is expected to start dredging in early to mid-November 2014.
- g. **FY14 Redwood City Harbor-** Contract clamshell, planned start mid to late-October 2014.

2. DEBRIS REMOVAL – Debris removal for October 2014 was 12 tons. Average for October from 2004 to 2013 is 38.4 tons. (Range: 16.5 – 89 tons). The Raccoon and the Dillard are back from the ship yard and will be on patrol this week

BASEYARD DEBRIS COLLECTION TOTALS:

MONTH	RACCOON	DILLARD	MISC	TOTAL
2013	TONS	TONS	TONS	TONS
JAN	0	35	0	35
FEB	0	6	25	31
MAR	0	8.5	2.5	11
APR	0	28	4.5	32.5
MAY	0	29	4.5	33.5
JUN	0	70	13	83
JUL	0	24	14	38
AUG	0	26	45	71
SEP			8.5	8.5
OCT			12	12
NOV				
DEC				

YR TOTAL
355.5

3. UNDERWAY OR UPCOMING HARBOR IMPROVEMENTS

None to report.

4. EMERGENCY (URGENT & COMPELLING) DREDGING

No urgent dredging so far in 2014.

5. OTHER WORK

San Francisco Bay to Stockton - This project received \$800,000 in the FY 14 work plan. **No change.**

Sacramento River Deep Water Ship Channel Deepening – The project received no funding in the FY 14 work plan. The study is on hold. **No change.**

HYDROGRAPHIC SURVEY UPDATE

Address of Corps' web site for completed hydrographic surveys:

http://www.spn.usace.army.mil/Missions/Surveys_StudiesStrategy/HydroSurvey.aspx

Alameda Point Navigation Channel: Condition survey of Nov. 5, 2014 is posted.

Berkeley Marina (Entrance Channel): Condition survey of September 23, 2014 is posted.

Bull's Head Shoal: February 15, 2013 condition survey is posted.

Islais Creek Channel: Condition survey of September 25, 2014 is posted.

Main Ship Channel: Post-dredge survey of June 24-25, 2014 is posted.

Mare Island Strait: Condition survey of September 24, 2014 is posted.

Marinship Channel (Richardson Bay): Condition survey of September 21, 2014 is posted.

Napa River: Condition surveys of 23-24 October 2014 is posted.

New York Slough: Pre and post-dredge survey of Sept. 21, 2014 is posted.

Northship Channel: September 16-20, 2014 condition survey is posted.

Oakland Entrance Channel: Condition survey completed 15 July 2014 is posted

Oakland Inner Harbor: Composite survey of August - October 2014 is posted.

Oakland Inner Harbor Turning Basin: As above.

Oakland Outer Harbor: As above.

Petaluma River: Condition survey of mid-September is posted.

Pinole Shoal Channel: Post-dredge survey of September 4, 2014 is posted. *

Redwood City Harbor: Condition survey of August 4-5, 2014 is posted.

Richmond Inner Harbor: Condition survey of September 7, 2014 is posted.

Richmond Outer Harbor (Longwharf): Post-dredge survey of July 28, 2014 is posted.

Richmond Outer Harbor (Southampton Shoal): Post-dredge survey of July 18-23, 2014 is posted.

San Bruno Shoal: Condition survey of April 15, 2014 is posted.

San Leandro Marina (and Channel): Condition survey of April 30 – May 2, 2012 is posted.

San Rafael Across-the-Flats / San Rafael Creek: Condition surveys of May 2013 are posted.

Suisun Bay Channel: Post-dredge survey of September 10, 2014 is posted.

Disposal Site Condition Surveys:

SF-08 (Main Ship Channel Disposal Site): Condition survey of March 2013 is posted.

SF-09 (Carquinez): Condition survey of Sept. 30, 2014 is posted.

SF-10 (San Pablo Bay): Condition survey of Sept. 30, 2014 is posted.

SF-11 (Alcatraz): Condition survey of Nov. 2014 is posted.

SF-16 (Suisun Bay Disposal Site): Condition survey of May, 2012 is posted.

SF-17 (Ocean Beach Disposal Site): Condition survey of March 2013 is posted.

DRAFT O&M DREDGING PLAN FOR FY15*

Project	2014			2015									2016			Volume	Placement Site
	OCT FY15	NOV	DEC	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP	OCT	NOV	DEC		
Humboldt Bar&Entrance								ESSAYONS	■							1mcy	HOODS
SF Main Ship Channel								Hopper Contract	▨							350kcy	OBDS/ SF-17
Richmond Inner Harbor		█**														350kcy	SFDODS or Upland
Richmond Outer Harbor											▨					250kcy	SF-11
Pinole Shoal											▨					150kcy	SF-10
Suisun Bay Channel												▨				175kcy	SF-16
Oakland Harbor	█	▨	▨**										▨	▨		600kcy	Upland
Redwood City Harbor		█**														350kcy	SF-11
Sacramento DWSC			█										█				Upland
Stockton DWSC	█													█			Upland
<div style="display: flex; justify-content: space-around; align-items: center; margin-top: 10px;"> <div style="text-align: center;"> <p>Complete & Ongoing Contracts</p> </div> <div style="text-align: center;"> <p>Government Hopper</p> </div> <div style="text-align: center;"> <p>New Dredge Contract</p> </div> <div style="text-align: center;"> <p>Environmental Window</p> </div> </div>																	

* Based on FY15 President's Budget, Dredge schedule subject to change

Updated: 5 Nov 2014

** Work Window Extension Required



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

November 13, 2014

- ✎ In October the clearinghouse did not contact OSPR regarding any possible escort violations.
- ✎ In October the clearinghouse did not receive any notifications of vessels arriving at the Pilot Station without escort paperwork.
- ✎ The Clearinghouse has contacted OSPR 5 times regarding possible escort violations in 2014. The Clearinghouse called OSPR 1 time in 2013. The Clearinghouse called OSPR 3 times in 2012 regarding any possible escort violations, 3 times in 2011, 6 times in 2010, 8 times in 2009; 4 times in 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 October there were 86 tank vessel arrivals; 6 Chemical Tankers, 16 Chemical/Oil Tankers, 24 Crude Oil Tankers, 1 LPG, 12 Product Tankers, and 27 Tugs with Barges.
- ✎ In October there were 280 total arrivals.

San Francisco Bay Clearinghouse Report For October 2014

San Francisco Bay Region Totals

	<u>2014</u>		<u>2013</u>		
Tanker arrivals to San Francisco Bay	59		66		
Barge arrivals to San Francisco Bay	27		22		
Total Tanker and Barge Arrivals	86		88		
Tank ship movements & escorted barge movements	301		308		
Tank ship movements	169	56.15%	181	58.77%	
Escorted tank ship movements	118	39.20%	127	41.23%	
Unescorted tank ship movements	51	16.94%	54	17.53%	
Tank barge movements	132	43.85%	127	41.23%	
Escorted tank barge movements	33	10.96%	32	10.39%	
Unescorted tank barge movements	99	32.89%	95	30.84%	

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	173		276		0		141		590	
Unescorted movements	71	41.04%	134	48.55%	0	0.00%	64	45.39%	269	45.59%
Tank ships	53	30.64%	98	35.51%	0	0.00%	38	26.95%	189	32.03%
Tank barges	18	10.40%	36	13.04%	0	0.00%	26	18.44%	80	13.56%
Escorted movements	102	58.96%	142	51.45%	0	0.00%	77	54.61%	321	54.41%
Tank ships	83	47.98%	115	41.67%	0	0.00%	56	39.72%	254	43.05%
Tank barges	19	10.98%	27	9.78%	0	0.00%	21	14.89%	67	11.36%

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 2014

San Francisco Bay Region Totals

	<u>2014</u>		<u>2013</u>	
Tanker arrivals to San Francisco Bay	588		728	
Barge arrivals to San Francisco Bay	233		320	
Total Tanker and Barge Arrivals	821		1,048	
Tank ship movements & escorted barge movements	3,025		3,544	
Tank ship movements	1,555	51.40%	1,995	56.29%
Escorted tank ship movements	1,065	35.21%	1,160	32.73%
Unescorted tank ship movements	490	16.20%	835	23.56%
Tank barge movements	1,470	48.60%	1,549	43.71%
Escorted tank barge movements	352	11.64%	544	15.35%
Unescorted tank barge movements	1,118	36.96%	1,005	28.36%

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

Escorts reported to OSPR 5 1

Movements by Zone	Zone 1	%	Zone 2	%	Zone 4	%	Zone 6	%	Total	%
Total movements	1,814		2,873		0		1,358		6,045	
Unescorted movements	814	44.87%	1,497	52.11%	0	0.00%	671	49.41%	2,982	49.33%
Tank ships	651	35.89%	1,038	36.13%	0	0.00%	453	33.36%	2,142	35.43%
Tank barges	163	8.99%	459	15.98%	0	0.00%	218	16.05%	840	13.90%
Escorted movements	1,000	55.13%	1,376	47.89%	0	0.00%	687	50.59%	3,063	50.67%
Tank ships	783	43.16%	1,053	36.65%	0	0.00%	471	34.68%	2,307	38.16%
Tank barges	217	11.96%	323	11.24%	0	0.00%	216	15.91%	756	12.51%

Notes:

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



CALIFORNIA STATE LANDS COMMISSION

HARBOR SAFETY COMMITTEE MONTHLY REPORT - OCTOBER COMPARISON

VESSEL TRANSFERS

	Total Transfers	Total Vessel Monitors	Total Transfer Percentage
OCTOBER 1 - 31, 2013	222	95	42.79
OCTOBER 1 - 31, 2014	208	89	42.79

CRUDE OIL / PRODUCT TOTALS

	Crude Oil (D)	Crude Oil (L)	Overall Product (D)	Overall Product (L)	GRAND TOTAL
OCTOBER 1 - 31, 2013	12,218,000	0	17,787,382	7,301,192	25,088,574
OCTOBER 1 - 31, 2014	12,427,290	0	18,412,089	7,587,661	25,999,750

OIL SPILL TOTAL

	Terminal	Vessel	Facility	Total	Gallons Spilled
OCTOBER 1 - 31, 2013	0	0	0	0	0
OCTOBER 1 - 31, 2014	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.