

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, July 13, 2017

California Maritime Academy, Richmond Safety & Security Center

756 West Gertrude Street

Richmond, 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 10:01.

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

Committee members (M) and alternates (A) in attendance with a vote: **John Berge** (M), Pacific Merchant Shipping Association; **Capt. Robert Carr** (M), San Francisco Bar Pilots; **Chad Culbertson** (M), Chevron Shipping Company; **Jeff Ferguson**, NOAA; **Aaron Golbus** (M), Port of San Francisco; **Bob Gregory** (M), Foss Maritime Company; **Scott Grindy** (A), San Francisco Marine Small Craft Harbor; **Capt. Tom Kirsch** (M), Blue and Gold Fleet; **Andrew Marshall** (M), Port of Benicia; **Jim McGrath** (M), Bay Conservation and Development Commission; **Capt. Pat Nelson** (A), United States Coast Guard; **LTC Travis Rayfield** (M), US Army Corps of Engineers; **Julian Rose** (M), Tesoro Refining; **Jeff Vine** (A), Port of Stockton.

The meetings are always open to the public.

Approval of the Minutes-

A motion to accept the minutes of June 8, 2017 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. Patrick Nelson

- Advised that recovery of sunken crane barge Vengeance off Yerba Buena Island is ongoing and a Safety Zone is in effect.
- Advised of new software upgrades to the VTS system. Simulation is limited with the new system so expect more trainees on the air.
- Advised that Fourth of July events went well and included 18 fireworks shows on the bay.

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- Advised of a recent cyber-attack that affected Maersk Line and APM Terminals. The USCG has issued draft NVIC 05-17 addressing cybersecurity risks at regulated terminals. Public comment is welcome. General public comment is also welcome on all USCG regulations through September 11, 2017. Docket number: USCG 2017-0480
- Advised that new USCG personnel are transitioning into Sector SF and VTS.
- LCDR Rebecca Deakin read from the June- 2017 Prevention/Response Report (attached).

Army Corps of Engineers Report- LTC Travis Rayfield

- Capt. Korwatch introduced LTC Rayfield to the committee as the new Commander of USACE San Francisco District replacing LTC Morrow.
- LTC Rayfield read from the US Army Corps of Engineers, San Francisco District Report (attached).
- Jim Mazza advised that mounding has been detected in the northern portion SF-09 Disposal Site. Disposal is being directed to the southern portion of the site and monitoring will continue.

Clearing House Report- Alan Steinbrugge (report attached)

OSPR Report- David Mighetto

- Announced several SF HSC membership appointments. Julian Rose has been appointed to the HSC as Member representing marine oil terminal operators. James McGrath has been reappointed as Member representing BCDC. Linda Scourtis has been reappointed as Alternate member representing BCDC. Terms end on July 13, 2020.
- Advised that planning is underway for the West Coast HSC Summit to take place in late October or early November. Contact Mike Coyne for agenda suggestions.
- Advised that OSPR has fully funded and finalized the HSC Secretariat Services and PORTS grants for FY2017-2018.
- Ted Mar, OSPR, advised of OSPR personnel changes. Joe Stewart has been promoted to Supervisor I and will head up the Fairfield office. Mike Coyne is also moving to the Fairfield office and will become the SF HSC liaison. Dave Mighetto will be HSC liaison for the LA/LGB and Port Hueneme areas.
- Tom Cullen, OSPR Administrator, advised that there are plans to discuss the threat posed by sinking oils at the West Coast HSC Summit. A workshop on the sinking oils issue is also being planned.
- Announced that OSPR has openings available for the position of Oil Spill Prevention Specialist.

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NOAA Report- Jeff Ferguson

- Advised that NOAA is reviewing comments submitted in regards to the National Charting Plan.
- Advised that the NWS is now predicting a neutral year with neither El Nino nor La Nina conditions.
- Advised that recent condition surveys have been applied to the charts.
- Announced that Darren Wright is moving to the NWS. Contact Jeff Ferguson for any issues with NOAA Tides & Currents products.
- In response to a question from John Berge, Lilli Ferguson, NOAA, advised of a voluntary offshore vessel speed reduction that is in effect to help reduce the risk of whale strikes. Sean Kelley, USCG VTS, advised that there have been many recent reports of whales in the bay and that VTS is working with whale watching companies to ensure safety.

State Lands Commission Report- Richard Hernandez

- Read from the State Lands Commission Report (attached) and distributed a six year statistical report on crude oil imports (attached).

Work Group Reports-

Tug Work Group- Nothing to report.

Navigation Work Group- Nothing to report.

Ferry Operations Work Group- Nothing to report.

Dredge Issues Work Group- Chad Culbertson advised that Julian Rose, Tesoro, will be co-chairing the Dredge Work Group.

PORTS Work Group- Nothing to report.

Prevention through People Work Group- Nothing to report.

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PORTS Report- Alan Steinbrugge

- Advised that service of the three buoy mounted current sensors will take place next week. The shore station for the Richmond LB6 Southampton Shoal current sensor will be moved to a new location within the Romberg Tiburon Center grounds.
- Advised that planning continues with the Port of San Francisco to install a weather station and current sensor at Pier 27.
- Capt. Korwatch advised that PORTS has been funded by OSPR through June, 2018.

Public Comment-

- Sean Kelley announced that VTS is looking for qualified personnel.
- Veronica Bowe, Cal Maritime, announced participation in the Cadet Community Connection program (flyer attached). www.csum.edu/web/connection
- Catharine Hooper, Port of SF Consultant, advised that Feet Week is the first week of October. Over 1.5 million people are expected to visit the waterfront. A Navy LHD amphibious assault ship is scheduled to arrive on October 1st and launch its LCU before docking at Pier 30/32. The Parade of Ships is on October 6th and will include the LHD, a Navy DGD, a Navy MCN, a USCG vessel and the Canadian frigate HNCS Winnipeg which will dock at Pier 15/17. Public visitation will be available. Blue Angels airshows are scheduled and planning is underway for an earthquake preparedness exercise. Capt. Nelson advised that the USCG will be conducting public safety outreach for Fleet Week aimed at recreational boaters. Catharine Hooper advised that the Fleet Week website contains safety information as well. fleetweeksf.org

Old Business- None

New Business-

- Capt. Korwatch advised that the San Francisco Marine Exchange will provide a demonstration of their new website directly after September's HSC meeting. Feedback is welcome.
- Capt. Korwatch announced that the August HSC meeting has been canceled.
- It was announced that the Urban Shield law enforcement exercise is on September 9-10.

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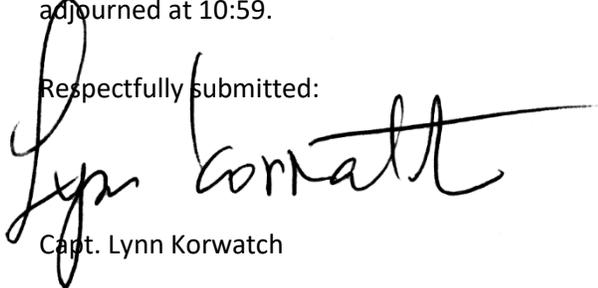
Next Meeting-

1000-1200
September 14, 2017
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 10:59.

Respectfully submitted:



Capt. Lynn Korwatch

PREVENTION / RESPONSE - SAN FRANCISCO HARBOR SAFETY STATISTICS

June 2017

PORT SAFETY CATEGORIES*	Jun-2017	Jun-2016	**3yr Avg
Total Number of Port State Control Detentions:	0	0	0.78
SOLAS (0), STCW (0), MARPOL (0), ISM (0), ISPS (0)			
Total Number of COTP Orders:	6	2	3.36
Navigation Safety (4), Port Safety & Security (2), ANOA (0)			
Marine Casualties (reportable CG 2692) within SF Bay:	9	10	9.17
Allision (0), Collision (0), Fire (0), Capsize (0), Grounding (0), Sinking (1)			
Steering (0), Propulsion (4), Personnel (1), Other (3), Power (0)			
Total Number of (routine) Navigation Safety issues/Letters of Deviation:	1	1	3.47
Radar (1), Gyro (0), Steering (0), Echo Sounder (0), AIS (0)			
ARPA (0), Speed Log (0), R.C. (0), Other (0)			
Reported or Verified "Rule 9" or other Navigational Rule Violations:	1	0	0.39
Significant Waterway events/Navigation related Cases:	1	0	0.42
Total Port Safety (PS) Cases opened	18	13	17.58
MARINE POLLUTION RESPONSE			
Pollution Discharge Sources (Vessels)	Jun-2017	Jun-2016	**3yr Avg
U.S. Commercial Vessels	0	0	0.86
Foreign Freight Vessels	0	0	0.08
Public Vessels	1	0	0.50
Commercial Fishing Vessels	2	0	0.42
Recreational Vessels	2	2	3.25
Pollution Discharge Sources (Facilities)			
Regulated Waterfront Facilities	0	1	0.28
Regulated Waterfront Facilities - Fuel Transfer	0	0	0.00
Other Land Sources	0	1	0.83
Mystery Spills - Unknown Sources	2	0	4.50
Number of Pollution Incidents within San Francisco Bay			
Spills < 10 gallons	4	3	4.22
Spills 10 - 100 gallons	0	1	1.11
Spills 100 - 1000 gallons	0	0	0.17
Spills > 1000 gallons	0	0	0.00
Spills - Unknown Size	3	0	5.33
Total Pollution Incidents	7	4	10.83
Oil Discharge/Hazardous Materials Release Volumes by Spill Size			
Estimated spill amount from U.S. Commercial Vessels	0.00	0.00	15.08
Estimated spill amount from Foreign Freight Vessels	0.00	0.00	8.42
Estimated spill amount from Public Vessels	1.00	0.00	1.71
Estimated spill amount from Commercial Fishing Vessels	1.00	0.00	9.93
Estimated spill amount from Recreational Vessels	3.00	60.00	39.24
Estimated spill amount from Regulated Waterfront Facilities	0.00	1.00	3.03
Estimated spill amount from Regulated Waterfront Facilities - Fuel Transfer	0.00	0.00	0.00
Estimated spill amount from Other Land Sources	0.00	0.10	1.62
Estimated spill amount from Unknown Sources (Mystery Sheens)	unk	0.00	0.00
Total Oil Discharge and/or Hazardous Materials Release (Gallons)	5.00	61.10	79.01
Penalty Actions			
Civil Penalty Cases	0	0	0.03
Notice of Violations	0	1	0.64
Letters of Warning	3	2	3.11
Total Penalty Actions	3	3	3.78
* 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 (JUNE 2017)

MARINE CASUALTIES

Loss of Propulsion (03JUN17): A foreign flag tank vessel experienced a loss of propulsion while transiting offshore enroute to San Francisco. A COTP Order was issued requiring a two tug escort to Anchorage 9 to identify the causative factor. USCG and a Class Surveyor attended the vessel and witnessed satisfactory operation of the propulsion system. The COTP Order was lifted. LOP was not attributed to fuel switching. Case Closed.

Reduction of Propulsion (08JUN17): A foreign flag tank vessel experienced a reduction of propulsion while transiting outbound through the Carquinez Strait enroute to sea. A COTP Order was issued requiring a two tug escort to Anchorage 9 to identify the causative factor. USCG and a Class Surveyor attended the vessel and witnessed satisfactory operation of the propulsion systems. The COTP Order was lifted. LOP was not attributed to fuel switching. Case Closed.

Loss of Propulsion (19JUN17): A foreign flag tank vessel experienced a loss of propulsion while transiting inbound to the San Francisco Bay. A COTP Order was issued requiring a two tug escort to Anchorage 9 to identify the causative factor. USCG and a Class Surveyor attended the vessel and witnessed proper operation of the engineering system. The COTP Order was lifted. LOP was not attributed to fuel switching. Case Closed.

Loss of Propulsion (21JUN17): A US flag passenger vessel experienced a loss of propulsion near Pier 9 with no passengers onboard; the vessel moored safely and was issued a CG-835 No-sail. Repairs were conducted and a satisfactory sea trial was witnessed by USCG. The CG-835 No-sail was lifted. Case Closed.

CG-835 No-Sail (21JUN17): A US flag small passenger vessel experienced a reduction in propulsion and discharged a small quantity of oil. Vessel returned to berth and was issued a CG-835 No-sail. USCG inspectors reviewed the tech report and attended the vessel to verify repairs and proper operation of the main engine. The CG-835 No-sail was lifted. Case closed.

VESSEL SAFETY CONDITIONS

Rule 9 Violation (19JUN17): There was a near miss involving a foreign flag container vessel and a US flag commercial fishing vessel near the North Ship Main Channel buoy's #1 and #2. The container ship was a vessel that could safely navigate only within the designated narrow channel as per Inland Rule 9. Case pends.

GENERAL SAFETY CASES

COTP Operational Control (30JUN17): A COTP Order was issued to a foreign flag freight vessel conducting major main engine maintenance. A COTP Order was issued requiring a two tug escort while transiting in the Bay to a location where the overhaul could be completed. Additionally, documentation from the classification society surveyor attesting to causative factors and proper operation of the main propulsion and associated systems is required prior to departure from the port. Case pends.

NAVIGATIONAL SAFETY

NSTR

SIGNIFICANT INCIDENT MANAGEMENT DIVISION CASES

19JUN17 (LOW) : A 41 ft fishing vessel sank at Pier 47 in San Francisco and discharged 1 gallon of diesel. Case closed.

26JUN17 (ENF PENDING): A 45 ft recreational vessel sank at Berkeley Marina and discharged diesel. Exact quantification is still being conducted by the contractor who responded. Case pends.

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

**Report of the
U.S. Army Corps of Engineers, San Francisco District
July 13, 2017**

1. CORPS O&M DREDGING PROGRAM

The following report covers the upcoming FY 2017 dredging program for San Francisco Bay. This program is subject to change based on a number of variables including final FY 2017 appropriations and Corps Work Plan. Please refer to the Local Notice to Mariner for details of dredge operations.

FY 2017 DREDGING

- a. **SF Main Ship Channel** – Estimated start mid-May 2017, estimated completion early June 2017, by government hopper. **Completed in early June.**
- b. **Richmond Inner Harbor** – Estimated start early September 2017, estimated completion end of October 2017, by contracted clamshell. **Bid Received, estimated award mid-August.**
- c. **Richmond Outer Harbor (and Richmond Long Wharf)** – Deferred due to special conditions contained in the Water Quality Certification.
- d. **Oakland Harbor** – Estimated start mid-August 2017, estimated completion end of November 2017, by contracted clamshell. **Estimate award mid-August associated with episodic approval and DMMO suitability determination of sediment testing results.**
- e. **Redwood City Harbor** – Estimated start early September 2017, estimated completion end of October 2017, by contracted clamshell. **Estimated award late August.**
- f. **San Pablo Bay (Pinole Shoal)** – Estimated start mid-June 2017, estimated completion late-June 2017, by Government hopper. **Completed late June.**
- g. **Suisun Bay Channel (and New York Slough)** – **Estimated Award 15 August.** Estimated start mid-September 2017, estimated completion mid-November 2017, by contracted clamshell.

2. DEBRIS REMOVAL – Debris removal for June 2017 was 37.5 tons. Dillard: 25.5 tons: other boats: 12 tons. Average for June from 2007 to 2016 is 51 tons. (Range: 0-185 tons).

BASEYARD DEBRIS COLLECTION TOTALS:

MONTH	RACCOON	DILLARD	MISC	TOTAL
2017	TONS	TONS	TONS	TONS
JAN	30	212	170	417
FEB	75	88	35	198
MAR	65	35	12	112
APR	14	104.5	23	142.5
MAY	16	84.5	12	112.5
JUN	0	25.5	12	37.5
JUL	0	0	0	0
AUG	0	0	0	0
SEP	0	0	0	0
OCT	0	0	0	0
NOV	0	0	0	0
DEC	0	0	0	0

YR TOTAL
1,019.5

3. UNDERWAY OR UPCOMING HARBOR IMPROVEMENTS

None to report.

4. EMERGENCY (URGENT & COMPELLING) DREDGING

Stockton DWSC: A joint Task Order was awarded 25 May to the contractor, Ross Island Sand & Gravel, Inc. (RI). RI was issued Notice to Proceed on 2 Jun and dredging has commenced. A follow on task order aimed at meeting annual maintenance cycle requirements is being prepared for expected dredging in September.

Sacramento River DWSC: A joint Task Order was awarded 25 May to RI. Once the dredging operations on the Stockton channel are complete, the contractor will mobilize to the Sacramento channel and commence dredging. The regular maintenance dredging will most likely be deferred until FY18. The team anticipates the emergency dredging activities for the Sacramento DWSC to commence in July; directly after the completion of the Stockton DWSC emergency dredging episode.

5. OTHER WORK

San Francisco Bay to Stockton – The study is now being conducted by the Wilmington District to more efficiently match the study with available resources. Funding was allocated in the work plan and the Wilmington District is revising the Scope and Schedule to match work plan funds and available NFS funds. The Tentatively Selected Plan (TSP) milestone for Phase I (Western Reach) of the project was held on 29 June 2016 utilizing FY14 carryover funds. The recommended plan is to deepen the Phase I reach of the project from a depth of -35 feet to -38 feet MLLW. The final report is scheduled to be approved in February 2019.

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 Channel: Condition survey of November 2, 2016.
Berkeley Marina (Entrance Channel): Condition survey of September 23, 2014.
Islais Creek Channel: Condition survey of May 12, 2016.
Larkspur Ferry Channel: Condition survey of November 18, 2014.
Main Ship Channel: Condition survey of March 9 & 20, 2017.
Mare Island Strait: Condition survey of September 24, 2014.
Marinship Channel (Richardson Bay): Condition survey of December 6, 2016.
Napa River: Condition survey of May 4-9, 2017.
Northship Channel: Condition survey of late July 29-31, 2015.
Oakland Entrance Channel: Condition survey of May 16-22, 2017.
Oakland Inner Harbor (Reach 2): Condition survey of May 16-22, 2017.
Oakland Inner Harbor (Reach 3-6): Condition survey of May 16-22, 2017.
Oakland Outer Harbor (Reach 7-8): Condition survey of May 16-22, 2017.
Oakland Outer Harbor (Reach 9-10): Condition survey of May 16-22, 2017.
Petaluma River (Across-the-Flats): Condition survey of September 12-14, 2014.
Petaluma River (Main Channel): Condition survey of September 13-14, 2014.
Pinole Shoal Channel: Post-dredge survey of July 7, 2017.
Redwood City Harbor: Pre-dredge survey of June 15-16, 2017.
Richmond Inner Harbor: Pre-dredge survey of June 8-9, 2017.
Richmond Inner Harbor (Santa Fe Channel): Condition survey of December 20, 2016.
Richmond Outer Harbor (Longwharf): Condition survey of April 4, 2017.
Richmond Outer Harbor (Southampton Shoal): Condition survey of April 10, 2017.
Sacramento River Deep Water Ship Channel: Condition survey of March 11-16, 2017.
San Bruno Shoal: Condition survey of March 27, 2017.
San Leandro Marina (and Channel): Condition survey of March 30 and April 1, 2015.
San Rafael (Across-the-Flats): Condition survey of May 10, 2013.
San Rafael (Creek): Condition survey of May 9, 2013.

Stockton Ship Channel: Condition survey of June 26, 2017 and Post-dredge survey of July 3, 2017.

Suisun Bay Channel: Condition survey of February 16-20, 2017.

Suisun Bay Channel (Bullshead Reach): Condition survey of April 19, 2017.

Suisun Bay Channel (New York Slough): Condition survey of February 14-15, 2017.

Disposal Site Condition Surveys:

SF-08 (Main Ship Channel Disposal Site): Condition survey of May 11, 2017.

SF-09 (Carquinez): Condition survey of April 19, 2017.

SF-10 (San Pablo Bay): Condition survey of April 19, 2017.

SF-11 (Alcatraz Island): Condition survey of June 13, 2017.

SF-16 (Suisun Bay Disposal Site): Condition survey of September 1, 2016.

SF-17 (Ocean Beach Disposal Site): Condition survey of May 11, 2017.

Requested Surveys:

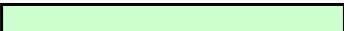
Before (Pre) dredge surveys are scheduled to occur thru the end of August for all of San Francisco District's in-bay projects which are planned to be dredged in FY17, with after (Post) dredge surveys to follow.

NEW WEB ADDRESS – USACE WORK PLAN:

<http://www.usace.army.mil/Missions/Civil-Works/Budget/>

O&M DREDGING PLAN FOR FY17*
HARBOR SAFETY COMMITTEE MEETING
13-Jul-17

Project	2016			2017												Volume	Placement Site	Notes	
	OCT	NOV	DEC	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP	OCT	NOV	DEC				
	FY 2017																		FY 2018
SF Main Ship Channel								Essayons	█								350kcy	OBDS/ SF-8	Gov't Hopper - Complete
Richmond Inner Harbor			█	**							█	█		█	█		350kcy	SF-DODS	Clamshell
Richmond Outer Harbor																	250kcy	SF-11	Gov't Hopper Deferred to FY18
Oakland Harbor			█	**										█	█		600kcy	SF-DODS	Clamshell, Option to existing Contract
Redwood City Harbor			█	**							█	█		█	█		350kcy	SF-11	Clamshell
Pinole Shoal	█	ESSAYONS					ESSAYONS		█								150kcy	SF-10	Gov't Hopper - Complete
Suisun Bay Channel												█	█		█		175kcy	SF-16	Clamshell
Napa River			█	**													90kcy	Upland	Dredging Completed in Dec 2017
Sacramento River (30 Ft)									█			█	Emergency				100kcy	Various Upland	Emergency action has been awarded
San Joaquin, Port of Stockton			█	**					█		█	Emergency			█		450kcy	Various Upland	Emergency action has been awarded. Follow on contract will be Sole Source 8A

	Ongoing Contracts		Environmental Window
	New SPN Contract		
	West Coast Hopper Contract		
	Government Dredge		

* Program execution is based on the FY17 President's Budget, Workplan and Federal Standard plan for each project.

Date of Update:

7/7/2017

** Window Extension.



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

July 13, 2017

- ✎ In June the clearinghouse did not need to contact OSPR regarding any possible escort violations.
- ✎ In June the clearinghouse did not receive any notifications of vessels arriving at the Pilot Station without escort paperwork.
- ✎ The Clearinghouse contacted OSPR 1 time in 2016 about a possible escort violations. The Clearinghouse contacted OSPR 3 time 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 June there were 96 tank vessel arrivals; 10 ATB's, 7 Chemical Tankers, 22 Chemical/Oil Tankers, 26 Crude Oil Tankers, 1 LPG, 16 Product Tankers, and 14 Tugs with Barges.
- ✎ In June there were 288 total arrivals.

San Francisco Bay Clearinghouse Report For June 2017

San Francisco Bay Region Totals

	<u>2017</u>		<u>2016</u>	
Tanker arrivals to San Francisco Bay	72		75	
ATB arrivals	10		5	
Barge arrivals to San Francisco Bay	14		22	
Total Tanker and Barge Arrivals	96		102	
Tank ship movements & escorted barge movements	324		320	
Tank ship movements	198	61.11%	186	58.13%
Escorted tank ship movements	156	48.15%	121	37.81%
Unescorted tank ship movements	42	12.96%	65	20.31%
Tank barge movements	126	38.89%	134	41.88%
Escorted tank barge movements	20	6.17%	40	12.50%
Unescorted tank barge movements	106	32.72%	94	29.38%

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	191		317		0		147		655	
Unescorted movements	75	39.27%	143	45.11%	0	0.00%	67	45.58%	285	43.51%
Tank ships	58	30.37%	103	32.49%	0	0.00%	57	38.78%	218	33.28%
Tank barges	17	8.90%	40	12.62%	0	0.00%	10	6.80%	67	10.23%
Escorted movements	116	60.73%	174	54.89%	0	0.00%	80	54.42%	370	56.49%
Tank ships	107	56.02%	154	48.58%	0	0.00%	72	48.98%	333	50.84%
Tank barges	9	4.71%	20	6.31%	0	0.00%	8	5.44%	37	5.65%

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 2017

San Francisco Bay Region Totals

	<u>2017</u>		<u>2016</u>	
Tanker arrivals to San Francisco Bay	415		703	
ATB arrivals	78		114	
Barge arrivals to San Francisco Bay	79		242	
Total Tanker and Barge Arrivals	494		1,059	
Tank ship movements & escorted barge movements	1,883		3,616	
Tank ship movements	1,101	58.47%	2,081	57.55%
Escorted tank ship movements	845	44.88%	1,331	36.81%
Unescorted tank ship movements	256	13.60%	686	18.97%
Tank barge movements	782	41.53%	1,535	42.45%
Escorted tank barge movements	121	6.43%	554	15.32%
Unescorted tank barge movements	661	35.10%	1,129	31.22%

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	1,143		1,833		0		802		3,778	
Unescorted movements	494	43.22%	888	48.45%	0	0.00%	362	45.14%	1,744	46.16%
Tank ships	380	33.25%	641	34.97%	0	0.00%	307	38.28%	1,328	35.15%
Tank barges	114	9.97%	247	13.48%	0	0.00%	55	6.86%	416	11.01%
Escorted movements	649	56.78%	945	51.55%	0	0.00%	440	54.86%	2,034	53.84%
Tank ships	607	53.11%	827	45.12%	0	0.00%	392	48.88%	1,826	48.33%
Tank barges	42	3.67%	118	6.44%	0	0.00%	48	5.99%	208	5.51%

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 - JUNE COMPARISON

VESSEL TRANSFERS

	Total Transfers	Total Vessels Monitored	Total Transfers Percentage
JUNE 1 - 30, 2016	233	92	39.48
JUNE 1 - 30, 2017	210	98	46.67

CRUDE OIL / PRODUCT TOTALS

	Crude Oil (D)	Crude Oil (L)	Overall Product (D)	Overall Product (L)	GRAND TOTAL
JUNE 1 - 30, 2016	14,874,000	165,000	21,057,531	7,955,405	29,012,936
JUNE 1 - 30, 2017	13,452,561	0	19,510,040	6,722,720	26,232,760

OIL SPILL TOTAL

	TERMINAL	VESSEL	Total	Gallons Spilled Fuel Oil / 1 Gallon
JUNE 1 - 30, 2016	1	0	1	
JUNE 1 - 30, 2017	0	0	0	0

Disclaimer:

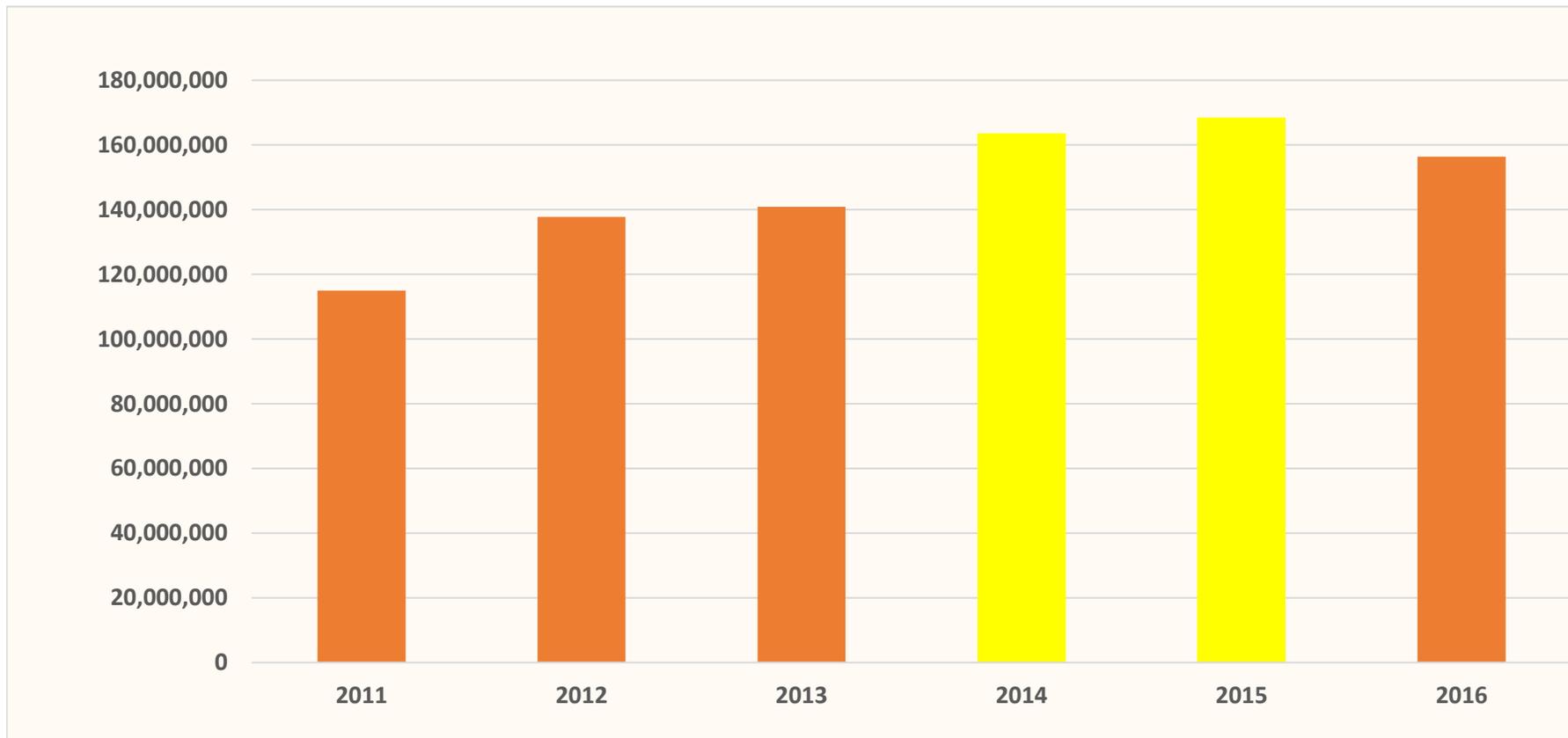
Please understand that the data is provided to the California State Lands Commission from a variety of sources; the Commission cannot guarantee the validity of the data provided to it.

CSLC NORTHERN CALIFORNIA FIELD OFFICE

2011	2012	2013	2014	2015	2016
114,976,182	137,745,312	140,836,395	163,616,166	168,434,713	156,351,352

DISCHARGED PRODUCT: CRUDE IMPORT, CRUDE ANS, CRUDE BAKKEN, CRUDE OTHER

2014 AND 2015: CRUDE BAKKEN DISCHARGED RECORDED



*** Disclaimer:

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CSLC NORTHERN CALIFORNIA FIELD OFFICE

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You are invited to become a part of a very special program that we have at Cal Maritime. This program is yet another way we are unique among the CSU campuses.

The Cadet-Community Connection (C3) will be starting its 5th year in August and we want YOU to be a part of it! The C3 is based on a program offered at the Naval Academy and President Cropper had the idea to create a similar program on our campus to help provide additional support to our incoming freshmen.

The C3 offers cadets an opportunity to have a local family connection, since it is often their first time away from home. Hosts are caring residents from the local community who will provide friendship, understanding, encouragement and a sense of family as cadets meet the challenges associated with a demanding first-year. In essence, Hosts can be a “home away from home”, but keep in mind, cadets do **NOT** live with the Host. Through interaction with the Community Host, cadets will learn more about Vallejo and experience the many positive aspects that the town, Solano County, and the Bay Area have to offer. FYI: Hosts can be individuals, couples with or without kids, etc. and can live up to 30 miles away).

A maritime background is not critical for Hosts since we obviously offer business degrees as well. Our incoming freshmen are just that.. college freshmen looking to connect with a local family to show them the area, lend a compassionate ear and/or make them a home-cooked meal (OR, show them a good place to eat off campus!). We currently have 7 Staff members who are Community Hosts and all of the students who have been matched with them appreciate the ability to drop by their offices for a quick chat.

Check out the program & share with others: www.csum.edu/connection. Application deadline: July 31st, 2017.



For additional information, please contact:
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