

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 9, 2020

Remote Meeting Via Zoom

10 Commodore Drive, Emeryville, 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.

Marcus Freeling (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; **Ben Eichenberg** (A), San Francisco Baykeeper; **Jeff Ferguson** (M), NOAA; **Scott Grindy** (M), San Francisco Small Craft Harbor; **Capt. Thomas Kirsch** (M), Blue and Gold Fleet; **Dominic Moreno** (M), Port of San Francisco; **Major Stephanie Radford** (A), US Army Corps of Engineers; **Julian Rose** (M), Marathon Petroleum; **Linda Scourtis** (A), Bay Conservation and Development Commission; **Capt. Howard Wright** (A), United States Coast Guard.

The meetings are always open to the public.

Approval of the Minutes-

A motion to accept the minutes of the June 11, 2020 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. Howard Wright

- Advised of a multi-agency active shooter drill held aboard a ferry on July 2nd. The exercise was successful and lessons learned will be reviewed.
- Advised that USCG Subchapter M regulations go into effect on July 20th requiring 50 percent compliance. The USCG is working with towing vessel companies and local compliance is on track.
- Advised of Bulls Head shoaling and emergency dredging approval by the Army Corps.
- Advised of a USCG MSIB regarding vessel electrical issues posted to the Coast Guard Maritime Commons: <https://mariners.coastguard.blog/>.

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- Announced that the National Maritime Security Advisory Committee will be meeting on July 29th. The National Boating Safety Advisory Committee will also be meeting on July 29th. The National Commercial Fishing Safety Advisory Committee is accepting membership applications through July 31st.
- Advised that several new USCG crewmembers have transferred in and look forward to working with the maritime community.
- LT Cotton read from the June- 2020 Prevention/Response Report (attached).

Army Corps of Engineers Report- Major Stephanie Radford

- Read from the US Army Corps of Engineers, San Francisco District Report (attached). The dredge Essayons is finished dredging the Main Ship Channel and Richmond Outer Harbor. Oakland Harbor dredging is ongoing and Richmond Inner Harbor dredging will begin soon. A condition survey of Bulls Head revealed significant shoaling which is impacting vessels going under the UP Railroad Bridge. Emergency dredging has been approved by the Army Corps and is expected to begin next week. The June debris removal numbers were near average. Surveys have been posted. The USACE Work Plan is available at: www.usace.army.mil/Missions/Civil-Works/Budget/.
- Cap. Korwatch thanked USACE and all involved for Bulls Head emergency dredging approval.

Clearinghouse Report- Marcus Freeling (report attached)

OSPR Report- Mike Caliguire

- Advised that OSPR is increasing presence on harbor patrols.
- Advised that HSC membership applications have been received from the Port of Redwood City and AmNav Maritime. New members will be announced when approved.
- Tom Cullen, OSPR Administrator, advised that a virtual oil spill response exercise is being developed. A meeting of the State Lands Abandoned and Derelict Vessel Work Group will be held soon if possible. Capt. Korwatch asked if abandoned vessels have increased since the pandemic. Tom Cullen advised that that number has remained steady. Capt. Wright advised that there has been an increase in SAR cases and an increase in recreational vessel purchases.

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NOAA Report- Jeff Ferguson

- Advised that the NWS predicts a warming trend this weekend. There is a 60-70 percent chance of warmer than average temperatures this summer. A La Nina Watch is in effect for this fall and winter.
- Brian Garcia, NWS, advised that there have been recent network problems affecting NOAA buoy data.

State Lands Commission Report- Mike Melin (report attached)

Report on Berkeley Pier Bird Habitat Restoration Project- Michael Anderson, OSPR

- Michael Anderson, OSPR, gave a presentation to the committee on a proposed bird habitat restoration project at the Berkeley Pier (slides attached). The 2007 Cosco Busan oil spill severely impacted regional bird populations with an estimated 6849 birds killed. Compensatory damages received as a result of the oil spill are being used for habitat restoration. The project includes the construction of bird roosting platforms on the old Berkeley Pier and will benefit brown pelicans, cormorants, gulls, and shoreline birds. Two groups of platforms will be built on the existing pier structure, a 5000 square foot group at the head of the pier and a 3300 square foot group near shore. Wind deflectors will also be installed to protect the birds. Vessel speed around the bird habitats will be restricted and a buffer zone established. The project is designed to avoid ferry traffic given the possibility of a future Berkeley ferry terminal. Signage will be put up on the pier warning boaters of the restoration project. The project design phase is expected to last through this year with completion at least a couple years away. Once complete, the restoration is expected to last for 30 years. Questions and concerns are welcome.
- Capt. Korwatch suggested the use of buoys and the establishment of a virtual AIS ATON marking the habitat restoration project.

Work Group Reports-

Plan Update Work Group- Cody Aichele-Rothman, BCDC, advised that the 2020 San Francisco Harbor Safety Plan Update has been compiled. The Harbor Safety Plan Update Transmittal Memo and the 2019/2020 SF HSC Executive Summary were electronically distributed (attached). Minimal changes were made to the plan this year. John Berge submitted minor corrections to the Executive Summary which will be revised before publication. A motion was made and seconded to approve the 2020 HSP Update. The motion passed without dissent.

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Tug Work Group- Nothing to report.

Navigation Work Group- Nothing to report.

Ferry Operations Work Group- Capt. Tom Kirsch advised that there was nothing to report.

Dredge Issues Work Group- Julian Rose thanked the USCG, USACE and all involved in Bulls Head emergency dredging approval. The Army Corps reported that only a small amount of material needs to be removed and the dredging will be relatively quick. An after-dredge survey will be conducted.

PORTS Work Group- Nothing to report.

Prevention through People Work Group- Scott Grindy advised that there has been an increase in recreational boat sales. There has also been an uptick in voluntary derelict boat removal.

PORTS Report- Marcus Freeling

- Advised that service for all PORTS buoy-mounted current meters has been scheduled for August. The South Hampton Shoal LB6 current meter is offline in addition to the Oakland Outer Harbor LB3 current meter.
- Advised that windbird nose cone assemblies will be replaced and software upgrades performed at several PORTS stations.
- Advised that PORTS visibility sensors have required more frequent cleanings than usual due to wind and seasonal conditions.
- Advised that the Amorco humidity sensor is malfunctioning and will be replaced.
- Advised that PORTS data is publicly available through NOAA's Tides and Currents website.

Public Comment-

- Kathi George, Marine Mammal Center, advised that several humpback whales are currently in the bay. Capt. Wright advised the public to report whale sightings to VTS. John Berge asked if blue whales are still offshore. Kathi George advised that the blue whales have moved north to Bodega Bay and dispersed.

Old Business- None

New Business-

- Capt. Korwatch announced that the August HSC meeting has been canceled.

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Next Meeting-

1000-1200, September 10, 2020
Remote Meeting via Zoom

Adjournment-

A motion to adjourn to meeting was made and seconded. The motion passed without dissent and the meeting adjourned at 11:15.

Respectfully submitted:



Capt. Lynn Korwatch

SIGNIFICANT PORT SAFETY AND SECURITY CASES (JUNE 2020)
MARINE CASUALTIES
Loss of Steering (24JUN20): A U.S. flag oil recovery vessel experienced a loss of steering while approaching Richmond Berth 3 in Richmond, CA. The #2 generator's charging system short-circuited which caused a power surge that tripped the main electrical power supply to the vessel and caused a loss of steering. Repairs are ongoing. Case pends.
VESSEL SAFETY CONDITIONS
Operational Control (02JUN20): A foreign flag ro-ro cargo ship was issued multiple operational controls (two code 60s and one code 17) due to inoperable sea chest valves found during a Port State Control Exam at the Port of San Francisco, CA. The vessel's crew conducted maintenance on the inoperable valves. Class attended the vessel and witnessed satisfactory operation. Vessel was cleared to depart San Francisco, CA. Case closed.
Operational Control (11JUN20): A foreign flag container ship was issued a COTP Order because crewmember(s) embarked who were physically present in Greece within the past 14 days, presenting a risk of spreading the 2019 novel coronavirus. Case closed.
Operational Control (19JUN20): A foreign flag container ship was issued a COTP Order because crewmember(s) embarked who were physically present in Greece within the past 14 days, presenting a risk of spreading the 2019 novel coronavirus. Case closed.
Operational Control (22JUN20): A U.S. flag small passenger vessel was issued an operational control (code 60) because the vessel was not made available for a Coast Guard COI inspection within 90 days. Case pends.
Operational Control (24JUN20): A foreign flag tank vessel was issued an operational control (code 17) due to a damaged support structure for the vessel's rescue boat. Class attended the vessel and provided a survey report to the Coast Guard. Vessel was cleared to depart San Francisco, CA. Case closed.
GENERAL SAFETY CASES (SIO/CID/WWM)
Rule 9 Violation (27JUN20): A foreign flag bulk carrier had to alter course and speed to avoid a sailing vessel operating in the shipping channel in the vicinity of the Carquinez Strait. Case pends.
SIGNIFICANT INCIDENT MANAGEMENT DIVISION CASES
Letter of Warning (LOW), (05JUN20): A commercial fishing vessel in Monterey Bay, CA discharged a small amount of diesel into the water from its bilge. Cleanups were conducted by the harbor master and the operator secured the bilge pump and cleaned out the remaining oily water in the bilge. A NOFI and LOW were issued. Case closed.
Letter of Warning (LOW), (05JUN20): A recreational vessel in Alameda, CA discharged a small amount of diesel into the water from its bilge. Cleanups were conducted by the harbor master and operator. The operator secured the bilge pump and cleaned out the remaining oily water in the bilge before engaging the pump again. A NOFI and LOW were issued. Case closed.
Letter of Warning (LOW), (09JUN20): A commercial fishing vessel in Half Moon Bay, CA was conducting repairs on their fuel hoses and noticed a leak on one of them. Cleanups were conducted by the harbor master and operator. The operator repaired the fuel line. A NOFI and LOW were issued. Case closed.
Letter of Warning (LOW), (09JUN20): A commercial fishing vessel in San Francisco, CA was discovered by a Coast Guard pollution team to have a small leak of diesel. Cleanups were conducted by the harbor master and operator and no further discharge occurred. A NOFI and LOW were issued. Case closed.

PREVENTION / RESPONSE - SAN FRANCISCO HARBOR SAFETY STATISTICS			
June 2020			
PORT SAFETY CATEGORIES*	Jun-2020	Jun-2019	**3yr Avg
Total Number of Port State Control Detentions:	0	0	0.22
SOLAS (0), STCW (0), MARPOL (0), ISM (0), ISPS (0)			
Total Number of COTP Orders:	2	1	3.89
Navigation Safety (0), Port Safety & Security (2), ANOA (0)			
Marine Casualties (reportable CG 2692) within SF Bay:	6	4	8.86
Allision (0), Collision (0), Fire (0), Capsize (0), Grounding (1), Sinking (0)			
Steering (0), Propulsion (3), Personnel (1), Other (0), Power (1)			
Total Number of (routine) Navigation Safety issues/Letters of Deviation:	0	0	1.78
Radar (0), 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	2	0.69
Significant Waterway events/Navigation related Cases:	0	0	0.17
Total Port Safety (PS) Cases opened	9	7	15.61
MARINE POLLUTION RESPONSE			
Pollution Discharge Sources (Vessels)	Jun-2020	Jun-2019	**3yr Avg
U.S. Commercial Vessels	0	2	0.86
Foreign Freight Vessels	0	1	0.19
Public Vessels	1	0	0.64
Commercial Fishing Vessels	3	1	0.81
Recreational Vessels	5	6	5.19
Pollution Discharge Sources (Facilities)			
Regulated Waterfront Facilities	0	1	0.42
Regulated Waterfront Facilities - Fuel Transfer	0	0	0.06
Other Land Sources	4	7	3.58
Mystery Spills - Unknown Sources	12	8	5.00
Number of Pollution Incidents within San Francisco Bay			
Spills < 10 gallons	13	18	8.22
Spills 10 - 100 gallons	0	3	1.06
Spills 100 - 1000 gallons	0	0	0.22
Spills > 1000 gallons	0	0	0.00
Spills - Unknown Size	12	5	7.25
Total Pollution Incidents	25	26	16.75
Oil Discharge/Hazardous Materials Release Volumes by Spill Size			
Estimated spill amount from U.S. Commercial Vessels	0.00	1.00	12.01
Estimated spill amount from Foreign Freight Vessels	0.00	1.00	0.36
Estimated spill amount from Public Vessels	1.00	0.00	2.47
Estimated spill amount from Commercial Fishing Vessels	3.00	10.00	27.68
Estimated spill amount from Recreational Vessels	2.00	16.00	31.99
Estimated spill amount from Regulated Waterfront Facilities	0.00	1.00	2.03
Estimated spill amount from Regulated Waterfront Facilities - Fuel Transfer	0.00	0.00	0.11
Estimated spill amount from Other Land Sources	3.00	66.00	19.15
Estimated spill amount from Unknown Sources (Mystery Sheens)	unk	unk	0.00
Total Oil Discharge and/or Hazardous Materials Release (Gallons)	9.00	95.00	95.80
Penalty Actions			
Civil Penalty Cases	0	0	0.06
Notice of Violations	0	1	0.53
Letters of Warning	4	10	3.44
Total Penalty Actions	4	11	4.03
* 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.			

**Harbor Safety Committee
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**Report of the
U.S. Army Corps of Engineers, San Francisco District
July 9, 2020**

1. CORPS O&M DREDGING PROGRAM

The following report covers the planned FY 2020 dredging program for San Francisco Bay. While this program is subject to change based on a number of variables, it is based on actual FY 20 appropriations including the FY 2020 Work Plan. Please refer to the Local Notice to Mariners for details of dredge operations.

FY 2020 DREDGING

- a. **SF Main Ship Channel** – The Government Hopper Dredge Essayons completed production dredging on June 9 and moved over to Richmond Outer Harbor for the next 16 days. It then returned to the Main Ship Channel on June 28 for a few days of clean-up work and departed the Bay Area on July 1.
- b. **Richmond Outer Harbor (and Richmond Long Wharf)** – Per environmental requirements, Richmond Outer Harbor and San Pablo Bay (Pinole Shoal) are hopper-dredged in alternating years. Pinole Shoal was dredged in FY19, thus, Richmond Outer is scheduled for dredging in FY20. The Government Hopper Dredge Essayons arrived on June 10 and conducted dredging operations until June 27 after which it returned to the Main Ship Channel to perform some clean-up work.
- c. **Oakland Harbor** – A maintenance dredging contract was awarded to Manson Construction on May 1. Dredging is currently underway. Estimated completion is end of November.
- d. **Richmond Inner Harbor** – A maintenance dredging contract was awarded to Curtin Maritime on May 7. Start of dredging is tentatively scheduled for mid-July 2020.
- e. **Suisun Bay Channel (and New York Slough)** – A maintenance dredging contract was awarded to Curtin Maritime on June 30. Because of high shoaling observed at Bulls Head Channel, work will begin as soon as the environmental window opens on August 1.
- f. **Petaluma River Channel** – A maintenance dredging solicitation is currently being advertised with bid opening scheduled for July 15. Start of dredging is tentatively scheduled for mid-September 2020.
- g. **San Joaquin River (Port of Stockton)** – A maintenance dredging contract was awarded to Ross Island Sand & Gravel on June 29. Start of dredging is tentatively scheduled for mid-August 2020.
- h. **Sacramento River Deep Water Ship Channel** – A maintenance dredging solicitation is currently being advertised with bid opening scheduled for July 6. Start of dredging is tentatively scheduled for end of August 2020.

- i. **Redwood City Harbor** – The FY19 dredging was completed at the end of January 2020. Since Redwood City is on a two-year cycle, the next dredging episode is planned for FY21. Work planned for FY20 includes condition surveys and preliminary prep for the next dredging cycle.
- j. **San Pablo Bay (Pinole Shoal)** – Per environmental requirements, Richmond Outer and San Pablo Bay (Pinole Shoal) are hopper-dredged in alternating years. Pinole Shoal was dredged in FY19, next scheduled dredging will occur in 2021.

2. DEBRIS REMOVAL – Debris removal for June 2020 was 48 tons. Dillard: 36 tons, including 6 abandoned vessels; Raccoon: 12 tons, including 1 abandoned vessel. Average for June from 2010 to 2019 is 59 tons (Range: 0-185).

BASEYARD DEBRIS COLLECTION TOTALS:

MONTH	RACCOON	DILLARD	MISC	TOTAL
2020	TONS	TONS	TONS	TONS
JAN	45	57	28	130
FEB	33	39	45	117
MAR	15	5.5	29	49.5
APR	12	8	0	20
MAY	21	26	19	66
JUN	12	36	0	48
JUL				
AUG				
SEP				
OCT				
NOV				
DEC				

YR TOTAL
430.5

3. UNDERWAY OR UPCOMING HARBOR IMPROVEMENTS

None to report.

4. EMERGENCY (URGENT & COMPELLING) DREDGING

None to report.

5. OTHER WORK

Regional Dredge Material Management Plan: The Corps is holding virtual charrettes with the public over several days in July to address comments and scope supporting work products for the draft Project Management Plan (PMP) for the San Francisco Bay Regional Dredge Material Management Plan (RDMMP). Each charrette will be organized to address four comment areas, including (1) Toxicology, (2) Climate Change and Other Environmental Issues, (3) Physical Processes --sediment transport, sea walls, erosion controls, etc., and (4) Economics, Social Studies and Policies. Additionally, the charrettes would also address the summary and next steps of the draft PMP. Information on the RDMMP can be found on our website: <https://www.spn.usace.army.mil/Missions/Projects-and-Programs/Regional-Dredge-Material-Management-Plan/>

6. 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 December 27, 2019.
Berkeley Marina (Entrance Channel): Condition survey of April 30, 2020.
Islais Creek Channel: Condition survey of April 15, 2020.
Larkspur Ferry Channel: Condition survey of April 8, 2020.
Main Ship Channel: Condition survey of June 14-15, 2020.
Mare Island Strait: Condition survey of September 30, 2019.
Marinship Channel (Richardson Bay): Condition survey of August 6, 2019.
Napa River: Condition survey of March 5, 10-11, 2020.
Northship Channel: Condition survey of April 21-24, 2020.
Oakland Inner Harbor: Condition survey of May 12, 2020.
Oakland Outer Harbor: Condition survey of May 11, 2020.
Petaluma River (Across-the-Flats): Condition survey of December 19, 2017.
Petaluma River (Main Channel): Condition survey of June 4 & 15, 2020.
Petaluma River (Extended Channel): Condition survey of March 19-26, 2018.
Pinole Shoals Channel: Condition survey of June 4-9, 2020.
Redwood City Harbor: Condition survey March 30 & April 1, 2020.
Richmond Inner Harbor: Condition survey of May 19-27, 2020.
Richmond Inner Harbor (Santa Fe Channel): Condition survey of December 20, 2016.
Richmond Outer Harbor (Longwharf): Condition survey of May 21, 2020.
Richmond Outer Harbor (Southampton Shoal): Condition survey of May 20, 2020.
Sacramento River Deep Water Ship Channel: Condition survey of May 6-13, 2020.
San Bruno Shoal: Condition survey of April 9, 2020.
San Leandro Marina (and Channel): Condition survey of March 30 and April 1, 2015.

San Rafael (Across-the-Flats): Condition survey of May 28, 2020.
San Rafael (Creek): Condition survey of May 28, 2020.
Stockton Ship Channel: Condition survey of May 1-5, 2020.
Suisun Bay Channel: Condition survey of May 5-7, 2020.
Suisun Bay Channel (Bullshead Reach): Condition survey of January 28-31, 2020.
Suisun Bay Channel (New York Slough): Condition survey of May 1-5, 2020.

Disposal Site Condition Surveys:

SF-08 (Main Ship Channel Disposal Site): Condition survey of April 14, 2020.
SF-09 (Carquinez): Condition survey of April 7, 2020.
SF-10 (San Pablo Bay): Condition survey of April 7, 2020.
SF-11 (Alcatraz Island): Condition survey of June 2, 2020.
SF-16 (Suisun Bay Disposal Site): Condition survey of May 17, 2020.
SF-17 (Ocean Beach Disposal Site): Condition survey of April 14, 2020.

Requested Surveys:

Pre/Post-dredge and condition surveys are scheduled to occur throughout the year for all of San Francisco District's in-bay projects which are planned to be dredged in FY20.

NEW WEB ADDRESS – USACE WORK PLAN:

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

2020 O&M DREDGING PLAN*

Annual	Bid Open	Award	MAR	APR	MAY	JUN	JUL	AUG	SEP	OCT	NOV	DEC	JAN	FEB	Estimated CY	Dredge Type	Placement Site
			FY2020						FY2021								
Oakland Harbor	13-Apr (A)	1-May (A)													890kcy	Contract Clam Shell	SF-DODS
Richmond Inner Harbor	24-Apr (A)	7-May (A)													223kcy	Contract Clam Shell	SF-DODS
San Joaquin River (Port of Stockton)	15-Jun (A)	29-Jun (A)													285kcy	Contract Pipeline	Various Upland
Suisun Bay Channel	17-Jun (A)	30-Jun (A)													74kcy 33kcy	Contract Clam Shell	Upland SF-16
SF Main Ship Channel	N/A	N/A													350kcy	Govt Hopper	OBDS/SF-8
Richmond Outer Harbor	N/A	N/A													250kcy	Govt Hopper	SF-11/SF-10
Humboldt Bar & Entrance Channels	N/A	N/A													1100kcy	Contract Hopper	HOODS
Humboldt Interior Channels	N/A	N/A													150kcy	Govt Hopper	HOODS
Workplan Funded Projects in Order of Award Date																	
Noyo River and Harbor	5-Jun (A)	29-Jun (A)													18kcy	Pipeline	Upland
Sacramento River (30 Foot Project)	6-Jul (S)	19-Jul (S)													145kcy	Contract Pipeline	Various Upland
Petaluma River	15-Jul (S)	3-Aug (S)													200kcy	Clam Shell/Pipeline	Upland, SF-10
Crescent City Harbor	13-Jul (S)	27-Jul (S)													20kcy	Hydraulic/Pipeline	Wheeler Island
Moss Landing Harbor	19-Aug (S)	27-Aug (S)													85kcy	Hopper/Clam Shell w/Pipe	SF-14, Beach Site
San Rafael Creek (P&S only)	N/A	N/A												TBD	TBD	TBD	

	Solicitation			Environmental Window
	Bid Opening			Mobilization
	Contract Award			New SPN Contract
	Hopper Dredging			Funded for P&S only

* Program execution is based on the FY20 Workplan plus FY19 Carryover. Date of Last Update: 7/2/2020



Harbor Safety Committee of the
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San Francisco Clearinghouse Report

July 9, 2020

- ✎ In June the clearinghouse did not 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 has contacted OSPR 1 time in 2020 regarding a possible escort violation. The clearinghouse did not contact OSPR in 2019 regarding possible escort violations. The clearinghouse contacted OSPR 1 time in 2018 about a possible escort violation. The clearinghouse did not contact OSPR in 2017 about possible escort violations. The clearinghouse contacted OSPR 1 time in 2016 about a possible escort violation. The clearinghouse contacted OSPR 3 times 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 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 78 tank vessel arrivals; 12 ATBs, 7 Chemical Tankers, 9 Chemical/Oil Tankers, 24 Crude Oil Tankers, 14 Product Tankers, and 12 Tugs with Barges.
- ✎ In June there were 215 total vessel arrivals.

San Francisco Bay Clearinghouse Report For June 2020

San Francisco Bay Region Totals

	<u>2020</u>		<u>2019</u>		
Tanker arrivals to San Francisco Bay	54		69		
ATB arrivals	12		15		
Barge arrivals to San Francisco Bay	12		11		
Total Tanker and Barge Arrivals	78		95		
Tank ship movements & escorted barge movements	231		318		
Tank ship movements	130	56.28%	174	54.72%	
Escorted tank ship movements	106	45.89%	143	44.97%	
Unescorted tank ship movements	24	10.39%	31	9.75%	
Tank barge movements	101	43.72%	144	45.28%	
Escorted tank barge movements	12	5.19%	25	7.86%	
Unescorted tank barge movements	89	38.53%	119	37.42%	

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	151		225		0		95		471	
Unescorted movements	65	43.05%	109	48.44%	0	0.00%	43	45.26%	217	46.07%
Tank ships	49	32.45%	86	38.22%	0	0.00%	39	41.05%	174	36.94%
Tank barges	16	10.60%	23	10.22%	0	0.00%	4	4.21%	43	9.13%
Escorted movements	86	56.95%	116	51.56%	0	0.00%	52	54.74%	254	53.93%
Tank ships	80	52.98%	105	46.67%	0	0.00%	50	52.63%	235	49.89%
Tank barges	6	3.97%	11	4.89%	0	0.00%	2	2.11%	19	4.03%

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 2020

San Francisco Bay Region Totals

	<u>2020</u>		<u>2019</u>	
Tanker arrivals to San Francisco Bay	400		878	
ATB arrivals	85		185	
Barge arrivals to San Francisco Bay	77		164	
Total Tanker and Barge Arrivals	562		1,227	
Tank ship movements & escorted barge movements	1,915		4,053	
Tank ship movements	971	50.70%	2,257	55.69%
Escorted tank ship movements	764	39.90%	1,804	44.51%
Unescorted tank ship movements	207	10.81%	453	11.18%
Tank barge movements	944	49.30%	1,796	44.31%
Escorted tank barge movements	149	7.78%	241	5.95%
Unescorted tank barge movements	795	41.51%	1,555	38.37%

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

Escorts reported to OSPR 0 #REF!

Movements by Zone	Zone 1	%	Zone 2	%	Zone 4	%	Zone 6	%	Total	%
Total movements	1,142		1,872		0		773		3,787	
Unescorted movements	569	49.82%	987	52.72%	0	0.00%	374	48.38%	1,930	50.96%
Tank ships	456	39.93%	782	41.77%	0	0.00%	341	44.11%	1,579	41.70%
Tank barges	113	9.89%	205	10.95%	0	0.00%	33	4.27%	351	9.27%
Escorted movements	573	50.18%	885	47.28%	0	0.00%	399	51.62%	1,857	49.04%
Tank ships	532	46.58%	748	39.96%	0	0.00%	356	46.05%	1,636	43.20%
Tank barges	41	3.59%	137	7.32%	0	0.00%	43	5.56%	221	5.84%

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 - JUNE COMPARISON

VESSEL TRANSFERS

	Total Transfers	Total Vessels Monitored	Total Transfers Percentage
JUNE 1 - 30, 2019	225	66	29.33
JUNE 1 - 30, 2020	160	40	25.00

CRUDE OIL / PRODUCT TOTALS

	Crude Oil (D)	Crude Oil (L)	Overall Product (D)	Overall Product (L)	GRAND TOTAL
JUNE 1 - 30, 2019	13,488,000		19,811,975	6,189,547	26,001,522
JUNE 1 - 30, 2020	11,899,500	758,000	16,353,100	5,600,290	21,953,390

OIL SPILL TOTAL

	<u>TERMINAL</u>	<u>VESSEL</u>	<u>Total</u>	<u>Gallons Spilled</u>
JUNE 1 - 30, 2019	0	0	0	0
JUNE 1 - 30, 2020	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.

Cosco Busan NRDA Berkeley Pier Bird Enhancement Project

Harbor Safety Committee

July 9, 2020
Zoom Meeting

Michael Anderson
(CDFW-OSPR)

Sean Hart
(Moffatt and Nichol)

Mark Rauzon
(Marine Endeavors)



We are we meeting with the Harbor Safety Committee?

- The Cosco Busan Oil Spill Trustee Council is proposing to enhance abandoned portions of the old Berkeley Pier to promote sea bird and shorebird roosting and nesting (i.e., create additional habitat for birds)
- The project would be located in the central SF Bay, offshore of the City of Berkeley
- The project could potentially affect boat traffic (i.e., commercial and recreational) in the bay and we are soliciting your feedback on any concerns you might have with this project and its location.

Presentation Outline

- Introduction (Michael Anderson, CDFW-OSPR)
- Design and Location of Bird Nesting and Roosting Platforms (Sean Hart, Moffatt and Nichol)
- Current and Potential Future Bird Use of the Pier Following Enhancements (Mark Rauzon, Marine Endeavors)
- Feedback from the Committee, Including Discussion and Questions.

Cosco Busan NRDA Berkeley Pier Bird Enhancement Project

Introduction

Michael Anderson

California Department of Fish and Wildlife, Office of Spill Prevention and Response (CDFW-OSPR)

Trustee Council for the Cosco Busan Natural Resource Damage Assessment (NRDA)

- Trustee Council Representative Agencies:
CDFW, CSLC, NOAA, USFWS, NPS



- Formed after the November 2007 Cosco Busan Oil Spill in SF Bay. Case was settled in 2012
- Performed an injury assessment and now oversees restoration work done to compensate for spill injuries.

What are Natural Resource Damages?

- Compensation for natural resource injuries
- Compensation for loss of use and enjoyment
- Damages are based upon the amount of **restoration** needed to make the environment and the public whole (OPA, Lempert-Keene)



Injured Resources

A coastal landscape with a sandy beach, ocean waves, and a cliff in the background. The sky is overcast and the water is a muted blue-grey. The beach is wide and sandy, with some small rocks or debris scattered about. The cliff is a dark, flat-topped landmass in the distance.

- Birds
- Mammals
- Fish
- Shoreline Habitats
- Human Recreational Use

Birds

Collected Live and Dead: 2,940

Total Estimated Mortality: **6,849**

Species Impacted:

Surf Scoters / Scaup

Grebes

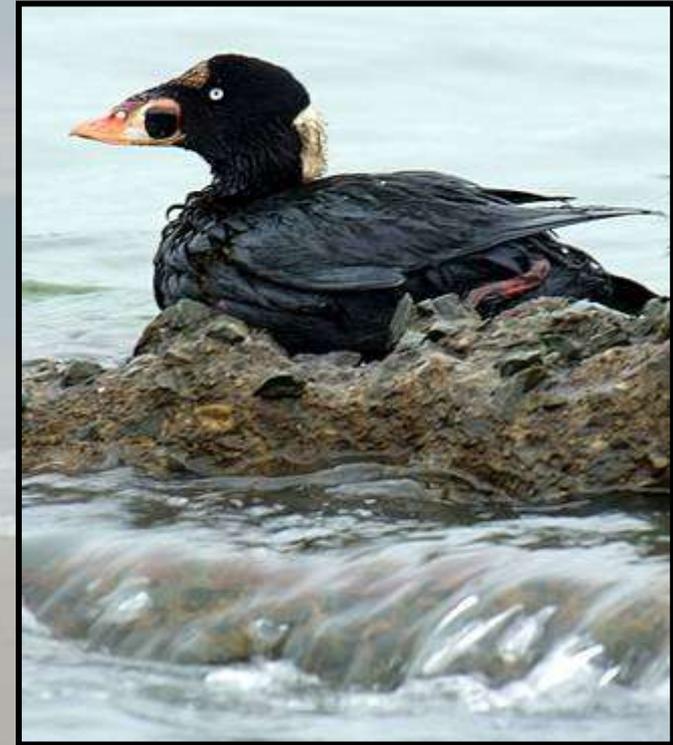
Salt Pond Divers

Sea Birds

Marbled Murrelets

Brown Pelicans, Cormorants, Gulls, Shorebirds

Marsh Birds



Project
Focus

Berkeley Pier Enhancement Project

Project Concept and Estimated Cost

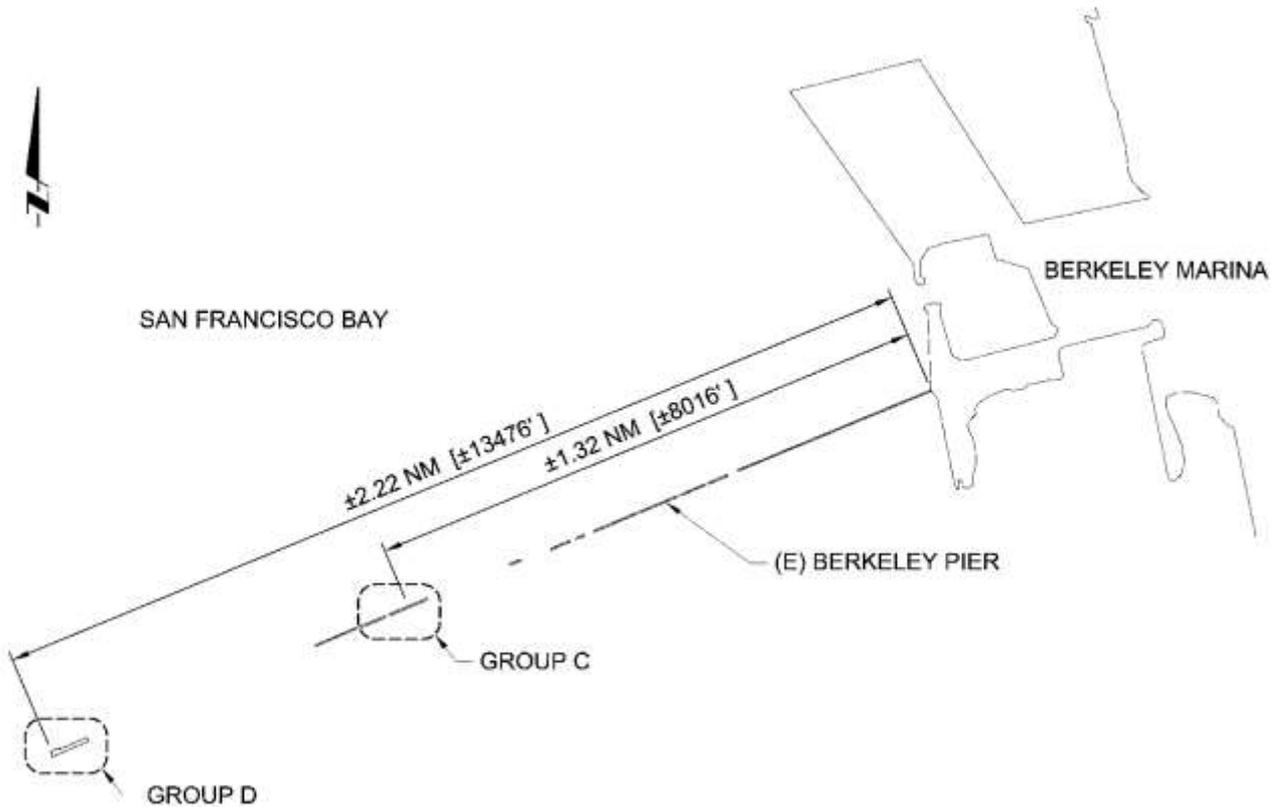
- Construct bird nesting and roosting platforms on derelict portions of pier pilings
- Benefit or replace Brown Pelicans, Cormorants, Gulls, and Shorebirds harmed by the spill
- Project developed and approved by the Trustee Council
- Project first envisioned in 2004 by Mark Rauzon
- **Estimated cost is \$600,000**



Cosco Busan NRDA Berkeley Pier Bird Enhancement Project

Design and Location of Bird Nesting
and Roosting Platforms

Sean Hart
Moffatt and Nichol



Berkeley Pier Enhancement Project

Roosting Platform Group Locations



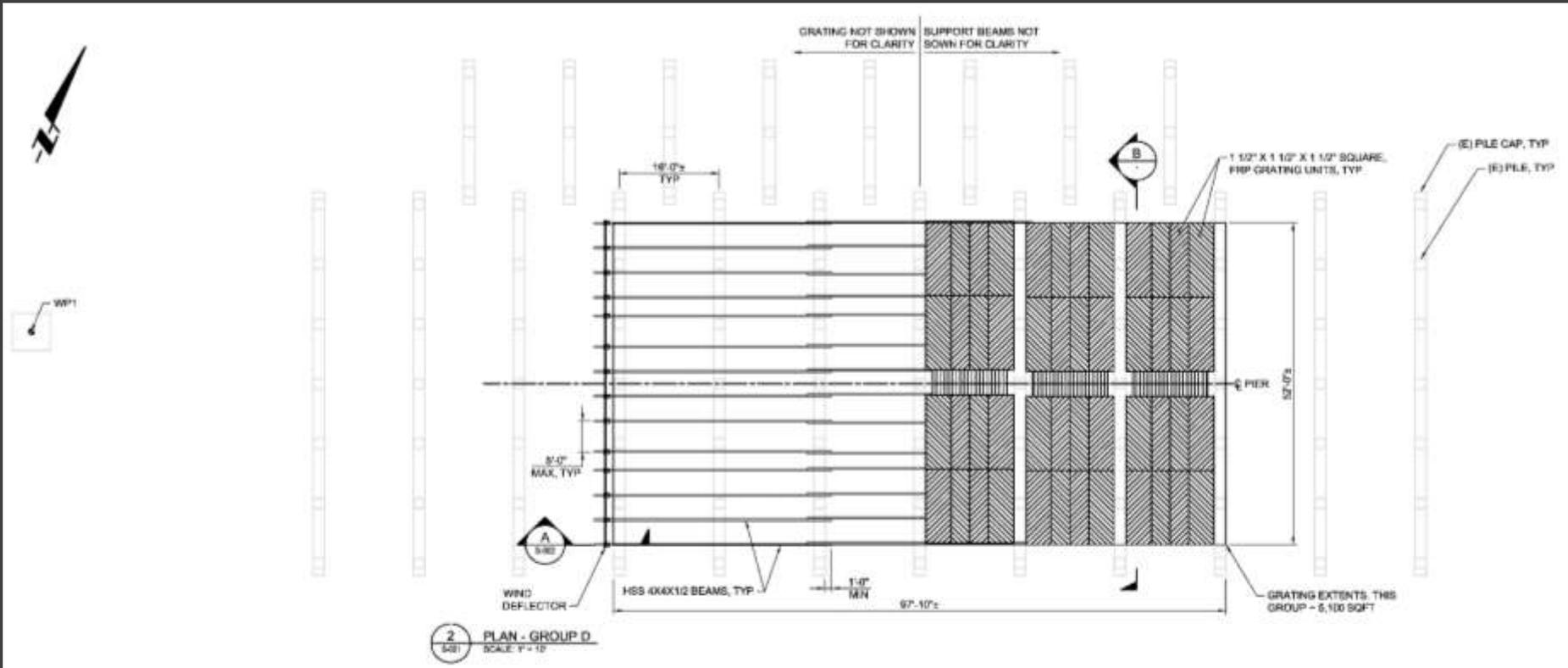
Berkeley Pier Enhancement Project

Existing Structure Deterioration and Bent selection



Berkeley Pier
Enhancement
Project

Group D Area – Designated for Offshore Birds



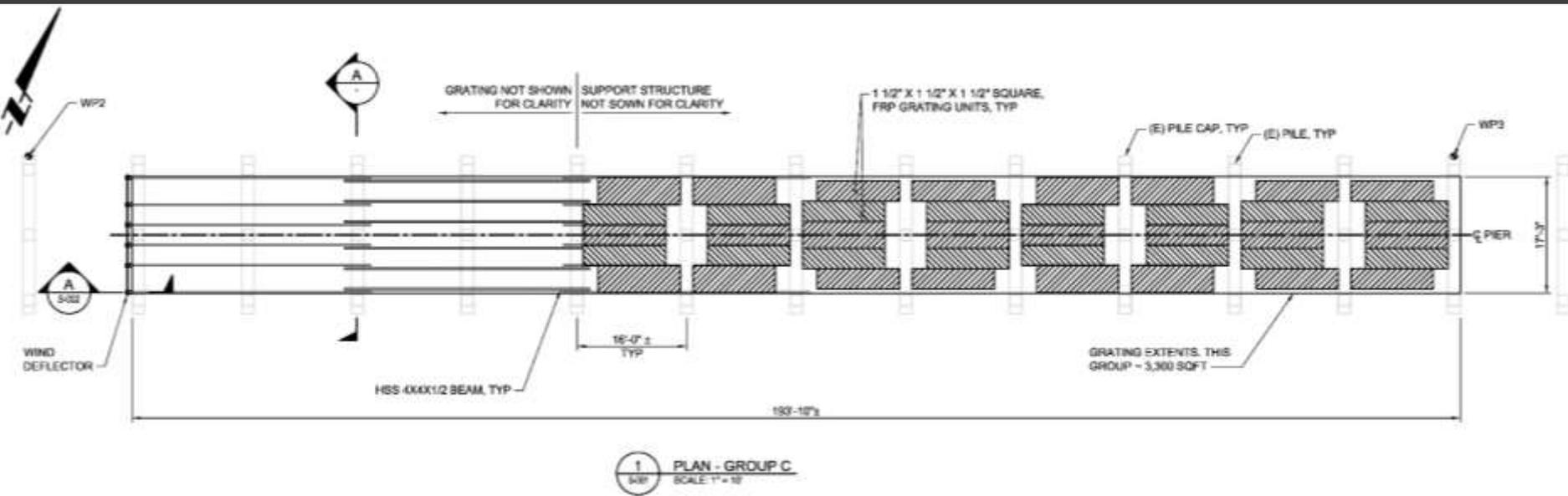
Berkeley Pier Enhancement Project

Group D – Targeting Sea Birds
Area = ~5,100 SQFT



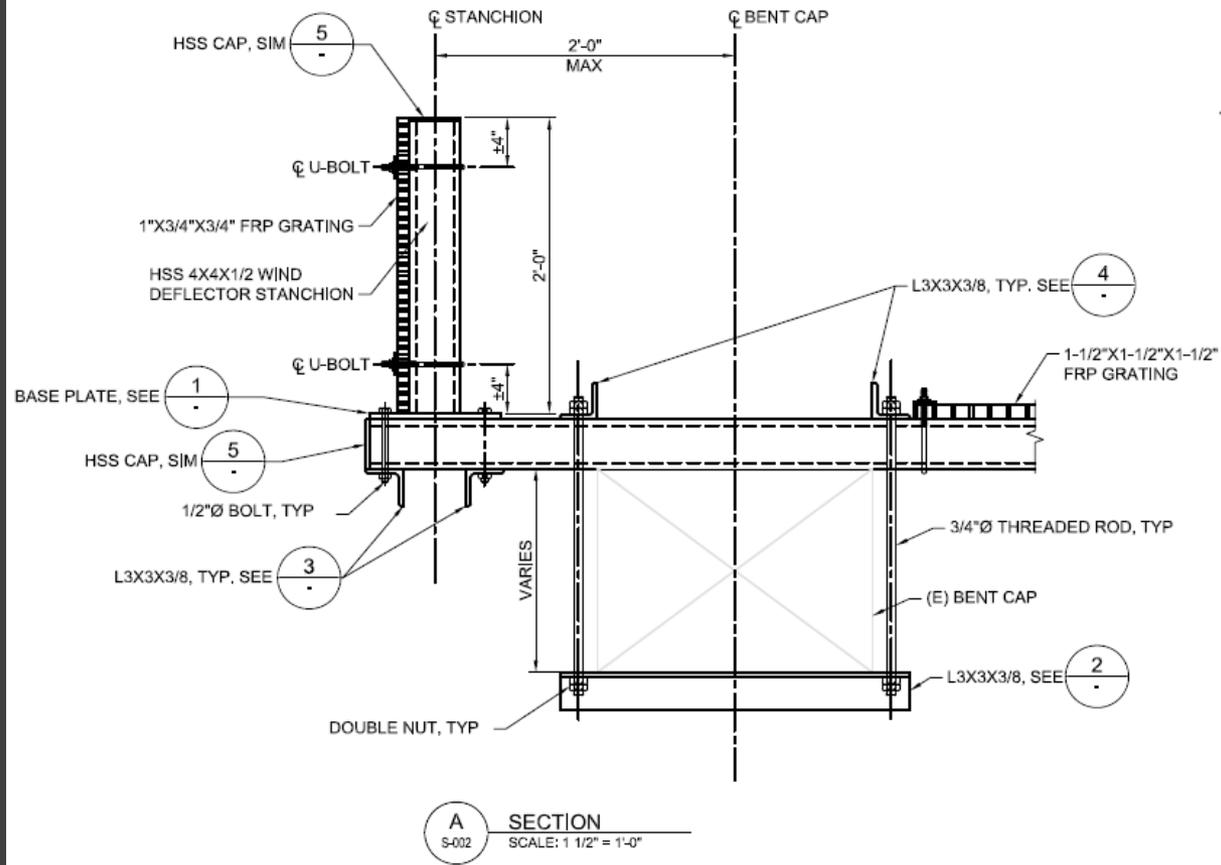
Berkeley Pier
Enhancement
Project

Group C Area – Targeting Shore Birds



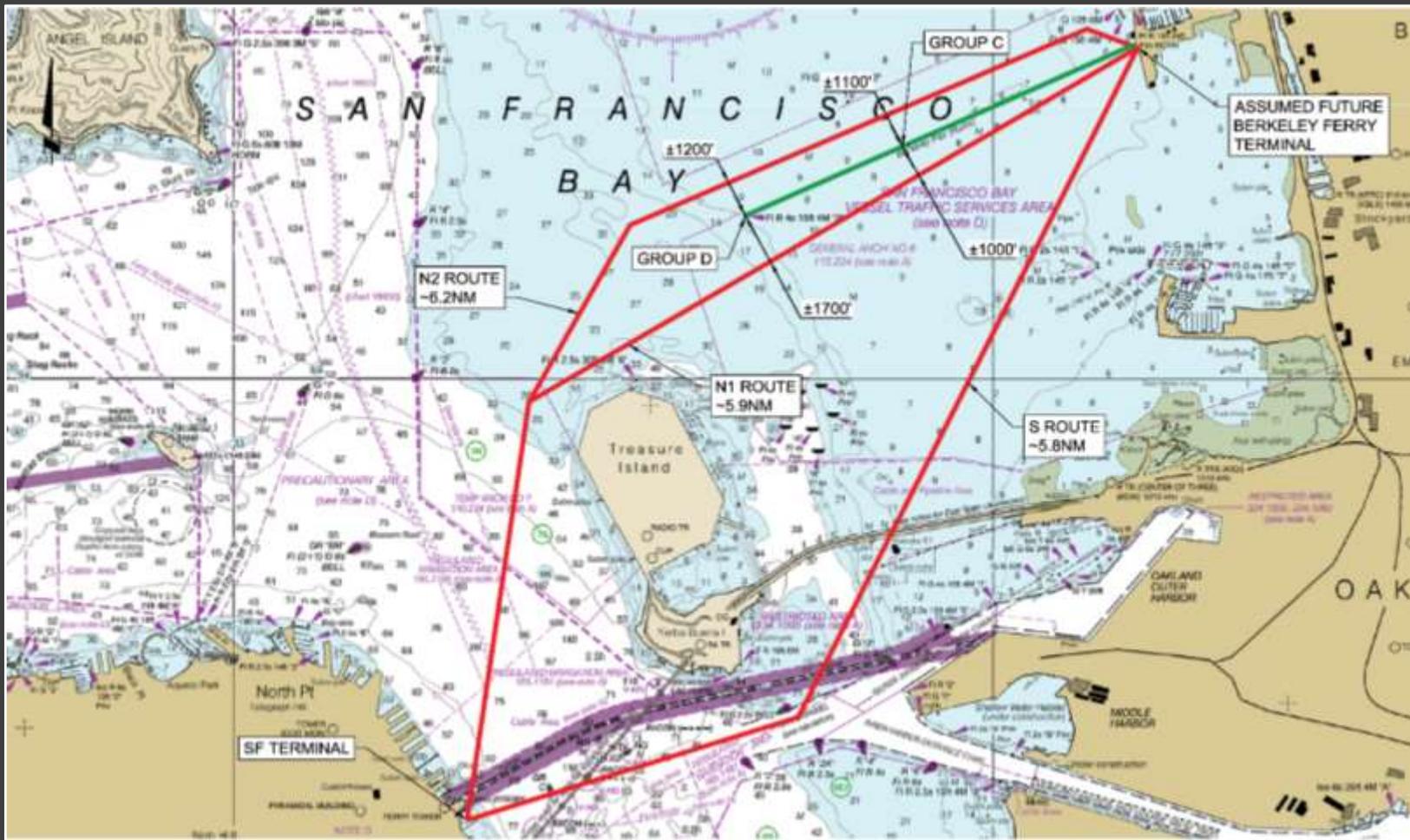
Berkeley Pier Enhancement Project

Group C – Layout
Area = ~3,300 SQFT



Berkeley Pier Enhancement Project

Typical section at wind deflector



Berkeley Pier Enhancement Project

Assumed ferry traffic routes to and from the proposed Berkeley Ferry Terminal

Cosco Busan NRDA Berkeley Pier Bird Enhancement Project

Current and Potential Future Bird
Use of the Pier Following
Enhancements

Mark Rauzon
Marine Endeavors



Berkeley Pier Enhancement Project

Speedboat blasts past near end of Berkeley Pier. Some shorebirds are disturbed by fast approach.. Others remain at roost.



Berkeley Pier Enhancement Project

Tour boat with a slower approach passed near end of pier. Gulls remain in place.



Berkeley Pier Enhancement Project

West, distal end of pier where 5000 sq ft of decking will take place. Brandt's cormorants and western gulls are pictured.



Berkeley Pier Enhancement Project

West, distal end of pier where 5000 sq ft of decking will take place, starting behind the timbers and going back about 80 feet, or 5 sets of piling caps.



Berkeley Pier
Enhancement
Project

Aerial view of base of Berkeley Pier where
a ferry terminal may be built



Berkeley Pier Enhancement Project

Middle section of pier piling caps that would be made as a shorebird roost (3,000 sq. ft.).



Berkeley Pier Enhancement Project

Winter densities of sandpipers near the eastern end of the pier, which was to be made into a public viewer area.

Discussion & Questions



Bird photos by Bob Dang

To: Harbor Safety Committee of the San Francisco Bay Region
Date: 25 June 2020
Subject: Annual Update of Harbor Safety Plan
From: Cody Aichele-Rothman

The State's Harbor Safety Committees are required to periodically update their plans for submittal to the OSPR Administrator. The Administrator subsequently determines whether to accept the revised Safety Plans.

The Committee will vote at the next Harbor Safety Committee meeting whether to adopt an updated Executive Summary (enclosed with this memo), which highlights Committee activities since June 2019. Additionally, Chapter XI, Ferries, received a minor update that will be included in the plan.

In addition to appendices updated by SFMX, appendices were revised by their responsible agencies and will be included in the plan approved by the Administrator.

As determined by the HSC last year in an effort to increase the plan's functionality, SFMX will make available substantive changes, such as Best Maritime Practices, as they are approved by the Committee. Working group activity reports will continue to be added to the plan on an annual schedule.

Executive Summary 2019-2020

The Harbor Safety Committee continued its collaborative process to engage the maritime community in supporting navigation safety in the Bay, including reviewing the locations of the Bay's Critical Maneuvering Areas to confirm their continued applicability.

Also during 2019-2020:

- Advised that NOAA's Office of Coast Survey is starting the five-year process of ending paper nautical chart production. Electronic Navigational Charts, or ENC charts (vector datasets), will replace paper and raster products. NOAA is working with the USCG regarding inspection requirements.
- The Dredge Work Group and the Navigation Work Group worked with USACE and NOAA to achieve CATZOC A1 in Pinole Shoal Channel. This will allow ship planners to more accurately schedule cargo shipments.
- Ferry work group reported that a few new service lines were opened in the past year, including service to Vallejo and the new Chase Center in San Francisco.
- Through the Prevention Through People work group, San Francisco County initiated the Expired Boat Flare Recycling Program, the first in California with numerous Bay Area locations that followed by County via their environmental divisions. Boat flares have not been an allowable recycled item and have been difficult for recreational boaters to dispose of. Environmental grants provided the funding to recycle and remove the hazardous waste products from the normal waste streams.
- The San Francisco Bay Area Harbor Safety Committee was the first (*in California?*) to move their meetings to an online platform to conduct regular business without delays due to COVID-19. The April, May, and June, 2020, meetings were all held via Zoom with regular attendance.

The Committee also received a number of presentations related to a diverse range of topics including:

- Presentation regarding removing abandoned commercial vessels from the Sacramento-San Joaquin Delta region.
- Sector San Francisco's 2019 Marine Transportation System Recovery Plan which outlines a course of actions to reopen ports and sustain maritime passage in the event of an incident of significant impact to commercial maritime commerce. This new Plan replaces the 2014 Recovery Plan.
- There was a presentation given on the Sail Grand Prix 2020 Regatta and Air Show, and work group planning efforts, but the event was cancelled due to the pandemic.
- Cindy Murphy, OSPR, gave a presentation to the committee on OSPR's Response Equipment Grant Program, which provides grants of response equipment to any local government agency adjacent to waters of the state, and pre-stages response equipment to deal with the immediate needs of an oil spill.
- There were two separate presentations on the use of drones in and around the Bay: Alex Spataru, from the ADEPT Group, gave a presentation to the committee on a plan to utilize unmanned aerial vehicles (drones) for enhanced aerial monitoring of offshore vessel emissions for non-compliance with fuel regulations; and Cal Maritime gave a presentation of Maritime Application of Unmanned Aerial Systems

utilizing drones for possible uses in the Bay, including oil spill response and safety, marine research, commercial fishing, part and parcel delivery for anchored or offshore vessels, among other uses.

- Jessica Morten from NOAA gave a presentation about Protecting Blue Whales and Blue Skies in California's National Marine Sanctuaries, a partnership for cleaner air, safer whales, and quieter oceans. Whereby vessels voluntarily reducing their speeds, enrolling in incentive programs, and observing traffic separation schemes they can reduce the risk of ship strikes with protected marine mammals and address air emissions concerns.

See Appendix C, Annual Work Group reports, for activities conducted over the previous year.