CALIFORNIA CODE OF REGULATIONS TITLE 14. NATURAL RESOURCES DIVISION 1. FISH AND GAME COMMISSION – DEPARTMENT OF FISH AND GAME SUBDIVISION 4. OFFICE OF OIL SPILL PREVENTION AND RESPONSE

SECOND 15-DAY COMMENT PERIOD ILLUSTRATION OF CHANGES

The California Department of Fish and Wildlife's Office of Spill Prevention and Response is proposing a repeal of the Shoreline Protection Tables dated August 29, 2013 and its associated Purpose and Scope and Glossary.

For the 45-day public comment period, those changes were illustrated entirely in single strikeout.

For the 2nd 15-day public comment period, deleted content (the Small Harbor Table) is illustrated in **bold, double strikeout, and italies**.

REPEAL

SHORELINE PROTECTION TABLES (SP TABLES) FOR VESSEL TRAFFIC IN CALIFORNIA'S MARINE WATERS (Tables Dated August 29, 2013)

PURPOSE AND SCOPE

The Shoreline Protection Tables (SP Tables) set forth planning requirements for shoreline protection for vessels in California's marine waters. A vessel owner/operator shall demonstrate through contracts(s) or other approved means (see Sections 815.05(b) or 825.05(a)), the shoreline protection response resources necessary to protect each type of shoreline and all applicable sensitive sites as outlined in the appropriate SP Tables. Based on these Tables the owner/operators will be able to ascertain the type of equipment that must be available for the appropriate response strategies necessary to protect the shoreline types that could be affected. For the purpose of meeting the regulatory requirements, contracts for shoreline protection services can only be made with OSROs Rated by the Office of Spill Prevention and Response.

The SP Tables are for vessels that transit in California's marine waters. In addition, for the small harbors identified, a Small Harbor Table is included to define preparedness levels for these areas.

The requirements set forth in these Tables are planning standards and may not reflect the exigencies of actual spill response. However, these are the standards that must be used to determine the amount of equipment and personnel that must be under contract or other approved means. The owner/operator is ultimately responsible for protecting the sensitive sites identified from the entire volume of an actual spill regardless of the planning volume.

Skimming assets required to execute the strategies listed in the Tables will be included as part of the required on-water recovery capacity, as stipulated in CCR Sections 818.02(e) and 827.02(h), and should not be construed as requiring additional skimming capacity. Sorbent boom requirements included in the first 24 hours of response must be on scene by hour 24, but not necessarily deployed at specific sites. In a few instances (only as indicated in the Tables) up to 2,000 feet of containment boom required to meet the 2-hour on-water containment requirement, can be utilized for shoreline protection.

An owner/operator may propose alternatives to what is listed in the SP Tables for boats and staff only. The proposal may be tested by the Administrator anytime prior or subsequent to plan approval. The SP Tables shall be reviewed and updated as needed (e.g., to reflect updates to the ACPs, etc.). Updates to the SP Tables will be processed by OSPR staff using the procedures outlined in the Administrative Procedure Act.

A glossary of terms used in the SP Tables has been included (last page). This glossary explains the terms and abbreviations used in the tables. These are the commonly understood meanings of these terms, and are included here to make the SP Tables comprehensive, stand-alone documents.

To the greatest extent possible, California has endeavored to be consistent with the scope and intent of the Federal oil spill response regulations and the Area Contingency Plans (ACP) completed by the U.S. Coast Guard, state agencies, and local governments, with public participation, as required by the Oil Pollution Act of 1990 (33 USC 2701, et seq.).

Shours Shours Harsh Harsh Harsh Isi (swamp beem supports 1-210.2-strategy) For & Marshes Humboldt Bay Ho meet he 2 hour on-water containment requirement can be under the 2 hour on-water water with the strategy of t	200 120	50 350 0	9	1	Anchoring Systems No. Kind 15 22 lb+ Dunforth anchors 5 22 lb+ Danforth anchors	Boom Boats	Skiffs :	ikimmers No. Type	Special Equipment and Notes Flash-boards & keys to tide gates at Chevron & city debris-hooks, shovels, pay-bar, pitchfork Close drop gates—bolt cutters or keys for lock	Ste
in hours Marsh Aurob Aurob Jol (swump beom supports 1-310-2-strategy) ver & Manshes Humboldt Bay He meet the 2 hour on-water containment requirement can be useurs John Bay Mouth / Samoes Spiri eyeldand ver & Manshes	100 utilized 460 200 120	50 350 0	9	Beem 4	No. Kind 145 22-lb+ Danforth anchors	Boats	Skiffs		Flash boards & keys to tide gates at Chevron & city debris hooks, shovels, pry-bar, pitchfork	
farsh Aarsh Afash Isl (swamp beem supports 1-310.2 strategy) ver & Manshes	utilized 460 200 120	50 350 0	9	1	22 lb+ Danforth anchors			1 SPS	debris hooks, shovels, pry-bar, pitchfork	
Aurish Isl (awamp-boom supports 1-310.2 strategy) ver & Marshes Fumboldt Bay Ito-meet the 2-hour on-water containment requirement can be u ours Isle Bay Mouth / Samoa Spit gylslande ver & Manshes	200 120	350 0	4	1				1SPS	debris hooks, shovels, pry-bar, pitchfork	
Harsh Isi (swamp beem supports 1-210-2-strategy) rer & Marshes - Lumbeldt Bay - Lumeet the 2-hour on-water containment requirement can be u ours - Idd Bay Mouth / Samea Spiri yelland er & Marshes	200 120	350 0	4	1				1 SPS		
lel (ewamp beem supports 1-310.2-strategy) ver & Manhes	200 120	350 0	4	1				1 SPS	Close drop gates - bolt cutters or keys for lock	
rer & Manshes Fumboldt Bay Lto meet the 2 hour on-water containment requirement can be u ours Jell Bay Mouth / Samea Spit sylvland er & Manshes	200 120	350 0	4					1 SPS	Close drop gates bolt cutters or keys for lock	
Humboldt Bay He meet the 2 hour on-water containment requirement can be u ouers hit Bay Mouth - Samou Spir ey-kland er & Manshes	200 120	0			S 22 lb+ Dunforth anchors	2		1-SPS	Close drop gates - bolt-cutters or keys for lock	
Humboldt Bay He meet the 2 hour on-water containment requirement can be u ouers hit Bay Mouth - Samou Spir ey-kland er & Manshes	200 120	0			5 22 lb+ Danforth anchors	2		1 SPS	Crose grop gates—non cutters or keys for fock	
to meet the 2-hour on-water containment requirement can be u ours ldt: Bay Mouth / Samea Spit syklaland er & Manhes	200 120	0		1	5 22 lb+ Danforth anchors	2		1-SPS		
ours Mt Bay Mouth / Samoa Spit vyloland ver & Manshes	200 120	0	0							
hdt Bay Mouth / Samoa Spit eylsland oer & Marshes	200 120	0	0							
eylsland rer & Marshes	120			30	19					
ver & Marshes					10 22 lb+ Danforth anchors	2		1-SSS/SPS		
					4 22 lb+ Danforth anchors	4		1-SPS		
	140	0		30	5 22 lb+ Danforth anchors		į.			
er & Marshes								1-SPS/SSS		
hours	75	0 40	0	155	23					
ey Island	120	0			4 22 lb+ Danforth anchors	1		1-SPS	Stakes, shovels, hammer	
Humboldt Bay	120	0			5 22 lb+ Danforth anchors	2		2 SSS		
Slough		100	9	10	9	4		1-SSS	collection and containment package	
Humboldt Bay	200	0			10 22 lb+ Danforth anchors	4		1-SFS		
iver Slough	120	0 10	9	120	4 22 lb+ Danforth anchors					
D 01 1 7 1 0 1										
		+								
		<u> </u>	0	_						
Bay Sloughs Butcher Slough	30	0 5	0	10	9				Stakes,shovels, hammer	
Bay Sloughs - McDonald Slough	15	0 5	9	5	9				Stakes, shovels, hammer	
Sk Iun Ber Ber	holdt Bay sugh slough Slough Slough Sloughs Jacoby Creek Sloughs Gannon Slough Sloughs Butcher Slough	heddt Bay 126 sugh 200 Slough 126 Slough 126 Slough 5coby Creek 56 Sloughs Gannon Slough 56 Sloughs Butcher Slough 36	1200 1200	1200	1200 1200	1200 S 22 lb+ Dunforth anchors	1200 S 22 lb+ Dunforth anchors 2	100 100	1200 S 22 lb Danforth anchors 2 2 2588	1200 S - 22 lb+ Danforth anchors 2 2 SSS

SHORELINE PROTECTION TABLE - CALIFORNIA NORTH COAST - PT ARENA 8/2013

Special Equipment and Notes

Other Boom Amt Type

		First 6 hours	600	300	a	0	3		4		10
2	1-484.3	Garcia River & Manchester State Beach	600				3 22 lb+ Danforth anchors	1			5
2	1-486.1	Point Arena	on water respon	se only; no shore	line protection feasible						
5	1-482.2	Alder Creek		300)						5
		7 to 24 hours	1400	•	100	300	28		0		
13	1 474.2	Greenwood Creek to Cuffey's Cove								over flight assessment needed	19
13	1-476.1	Bonee Gulch	on-water respons	se only; no shore	line protection feasible						
13	1-478.1	Elk Creek	on water respon	se only; no shore	line protection feasible						
16	1-472.2	Navarro River St Pk	1000				12 22 lb+ Danforth anchors	2			8
17	1-470.1	Salmon Point and Big Salmon Creek								install filter fence: fencing & 200 pom poms	3
18		Albion River	300			300	12 22 lb+ Danforth anchors	1			5
24	1 464.2	Van Dam St Pk and Little River	100	ļ.	100 OS		4 22 lb+ Danforth anchors				3

by hour	Strategy or Site Number	Site Name	Harbor Boom	Swamp Boom	Other Boom Amt Type	Sorbent Boom	Anchoring Systems No. Kind	Boom Boats	Skiffs	Skimmers No. Type	Special Equipment and Notes	
<i>,</i>		First 6 hours	3000	boom (50 50		15-20	Douts	DRITIS	0	openii Equipmen and twees	
	2-201.1	Pt. Reyes Headlands	on water respons	e only; no shore	line protection feasible	•						
,	2 203.2	Drakes Beach (West)	3000		50 OS	100	15 20 22#+ Danforth	34			Storage tanks, bladders or vae trucks	
;	2-207.1	Limnatour Spit									Front end loadergader	
		7-24 hours	6000	5080	3100	8900	96					
}	2-198.1	Point Reyes Beach	on water res	ponse only; no	shoreline protection feasible							
2	2 205.1	Drakes Estero			2000 OB*		25 40#+ Danforth	4				
2	2-205.2	Drakes Estero	6000		50 OS	2100	30 22#+ Danforth	4	4			
1	2 210.1	Point Resistance	on water respons	e only; no shore	line protection feasible	I.						
2	2-213.1	Miller Point	on-water respons	e only; no shore	line protection feasible							
2	2 216.2	Double Point and Stormy Stack			1000 OB*		10 40#+ Danforth	2				
ļ	2-219.12	Duxbury Reef				5000						
ļ	2-198.1	Pt. Reyes Beach	on water respons	e only; no shore	line protection feasible							
;	2-197.2	Abbott's Lagoon (if not naturally closed)		500		600	4 12#+ Danforth		+			
)	2 222.1	Bolinas Lagoon		4380	50 OS	200	25 15x22#, 10x30-45#, 8 stakes		3			
4	2-225.1	Redwood Creek/Big Lagoon/Muir Beach		200		1000	2 small anchors or stakes					
1	2 231.1	Bird Island	on-water respons	e only; no shore	line protection feasible							
<u> </u>	>=: INI	E PROTECTION TABL	F 0 F 00		COASTA	. 5	LAR PT.	8/2013				

		First 6 hours	•	50)	54	98					2
2	2-260.1	Seal Cove to Pillar Point	on water respon	se only; no shore	eline protection feasible							
5	2-255.1	Shelter Cove & San Pedro Rock	on water respon	se only; no shore	eline protection feasible							
5	2-258.1	Point Montara Area	on-water res	ponse only; no	shoreline protection feasible							
6	2-253.1	San Pedro Creek		5()	5	0 8 stakes					2
		7-24 hours	500	12350	4	20	25 0			4		19
11	2-264.4	Pillar Point Marsh & Denniston Creek	500				9 2/50+ & 7/22 danforths + 20' chain	1	1	1 vessel sk		5
12	2-264.1	Pillar Point Marsh & Denniston Creek									culverted berm using sandbags or earthmovers	2
12	2-264.2	Pillar Point Marsh & Denniston Creek		5()		3 stakes				stake to keep from catinary sag.	2
16	2-264.5	Pillar Point Marsh & Denniston Creek		12300)	20	g 13 12+# danforths & stakes	2	2			10

SHO	RELINE	PROTECTION TABLE - S	.F. SE	СТОГ	R - SOUTI	H S.F.	BAY / ANCHORAGE 9			8/2013		
Protect by hour	Strategy or Site Number	Site Name	Harbor Boom	Swamp Boom	Other Boom Amt Type	Sorbent Boom	Anchoring Systems No. Kind	Boom Boats	Skiffs	Skimmers No. Type	Special Equipment and Notes	Staff
		First 6 hours	8800	300	0	900	23			0		39
2	2-307.1	Alameda Eelgrass Beds									Initial on site assessment needed	1
3	2-304.1	Middle Harbor Shoreline Park	2500				7 7/22 + danforth	2	1			7
3	2-309.1	San Leandro Bay	1200	300		200	5 22+# danforth & chain	2	1		Bboat: very shallow draft	8
3	2-351.1	Yerba Buena Island	3000				7 22+# w/ 20' 1/2" chain	3	1		3000' 1/2" anchor line	11
4	2-309.2	SanLeandre Bay	1500				4 22+# danforth	2	1			8
4	2-310.1	Bay Farm Island Eelgrass Beds									Initial on site assessment needed	
6	2-401.1	Pier 39	1600			700	tie boom to pilings/breakwall	4			boom tending for traffic	3
		7 12 hours	2000	550	0	250				0		8
12	2-353.1	Heron's Head Park India Basin		200		200	12 12 stakes					2
12	2-354.1	Islais Creek Pier 94 Saltmarsh	1000	50		50	3 22+# danforths & stakes	4	1			3
12	2-403.1	Crissy Field Tidal Marsh		300			12+/danforth w chain & 2 stakes		1			3
12 2-415	.l Horse	hoe Bay	1000			- 3	3/22# danforth		1	1 vac	-truck	
		13 18 hours	8000	1950	0	600	29					29
14	2-312.1	Oyste PointBay		850			6 12#+ danforths + 4 stakes		2			4
14	2-352.2	South Basin, Hunters Point	500				2 22+# danforth	4			shallow water Bboat	3
18	2 454.1	Richmond Inner Harbor/Hoffman Marsh	2500	1100		200	6 - 8 22+# danforth, 15' 1/2 chain	2	2	1	Shallow draft boom boat.	8
18	2-480.2	Albany Marsh	1700			100	9 22+# danforth	2	į.	1 Shallow	very shallow Bboats , skimmers & stakes.	8
24	2-420.2	Richardson Bay Marshes	3300			300	6 22+# danforths + chain	2				6

SHO	RELINE	PROTECTION TABLE - S	.F. SE	СТО	R - CENTF	RAL S	AN FRANCISCO BAY			8/2013		
Protect by hour	Strategy or Sit Number	Site Name	Harbor Boom	Swamp Boom	Other Boom Amt Type	Sorbent Boom	Anchoring Systems No. Kind	Boom Boats		Skimmers No. Type	Special Equipment and Notes	Staff
		First 6 hours	12900	0	0		936			0		45
3	2 304.1	Middle Harbor Shoreline Park	2500				7 7/22 + Danforth	2	1	SSS		7
3	2-351.1	Yerba Buena Island	3000				7 22#+ w/ 20' 1/2" chain	3	1		3000' 1/2" anchor line	11
5	2-453.1	Brook's Island	2300				7 22+# danforths + chain	4	1		boom boat capable of withstanding grounding	4
5	2 495.1	Emeryville Lagoon/Mudflats	3600				7 22#+ danforth + 15' chain	3	2		Bboat: I very shallow draft	11
5	2-490.1	Berkeley Eelgrass Beds									Initial on-site assessment needed	1

6	2 480.1	Albany Marsh	1500				8 22#+ danforths	2	2		very shallow Bboats , skimmers & stakes.	11
		7-12 hours	3500	2500	4050	3300	36					40
7	2-454.1	Richmond Inner Harbor/Hoffman Marsh	2500	1100		200	8 22#+ danforth, 15' 1/2 chain	2	2	1	Shallow draft boom boat.	8
9	2-234.2	Point Bonita and Bonita Cove			2000 OB*		10 40 60# Danforth	2				9
9	2-236.2	Pt. Diablo to Lime Point			2000 OB*		8-10 40-60# Danforth	2				13
9	2-415.1	Horseshoe Bay	1000				3 3/22# Danforth		1		I vac Truck	2
#	2-225.1	Redwood Creek/Big Lagoon/Muir Beach		200		1000	2 small anchors or stakes					2
#	2 228.1	Rodeo Lagoon		1200	50 OS	2100	6 small anchors or stakes		1-2			6
		13 18 hours	8300	250	0	1550	25			4		31
13	2-401.1	Pier 39	1600			700	tie boom to piling s/breakwal l	1			boom tending for traffic	3
13	2-451.1	Castro Rocks	3000			300	10 5/40+ northhill & 7/22+ danforth	3			maneuverable Bboats & 1500' line	11
14	2-420.1	R i ch ardson ByMarshes	2700			300	12 22+# danforths + chain	3	1		Bhoats capable of shallows & obstructions	H
14	2-506.1	San Pablo Bay EejgrassBed									Initial on-site assessment needed	1
15	2-353.1	Heron's Head Park - India Basin		200		200	12 stakes					2
15	2-354.1	Islais Creek - Pier 94 Saltmarsh	1000	50		50	3-22#+/danforths & stakes	1	1			3
		19-24 hours	1500		0	0	4					

SHORELINE PROTECTION TABLE - S.F. SECTOR - SAN PABLO BAY GRA 5 8/2013

	Strategy or Site											
Protect by hour	Number	Site Name	Harbor Boom	Swamp	Other Boom Amt Type	Sorbent Boom	Anchoring Systems No. Kind	Boom Boots	Skiffs	Skimmers	Carried Fundament and Notes	C4-66
riotect by nour		Site Name	Boom	Boom	Ami Type	Boom	PNO. KIRIU	Boats	SKIIIS	No. Type	Special Equipment and Notes	Staff
		First 6 hours	8500	1200	0	900	11			0		35
3	2-452.2	Richmond Eelgrass Beds	2500				6 22#+chain	2	1			6
4	2-501.1	Castro Creek and Marshes	4000				10 22#+/Danforth + 20' chain	4				12
4	2-502.1	San Pablo Creek Marshes	2000				15 12+# Danforth	2	2			10
4	2-506.1	San Pablo Bay Eelgrass Bed									Initial on site assessment needed.	
5	2-503.1	Pinole Pt. Marshes South		900		900	8 12#+ Danforth anchors	1	1			5
6	2.452.1	Richmond Eelgrass Beds		300			2 stakes or anchors	0	1			2
		7-12 hours	8400	4900	0	6000	38			0		25
7	2 451.3	Castro Rocks	3000	2500			15 5/40#+ northhills & 10/22#+Danforths	3			maneuverable Bboats & 1500' line	11
7	2-503.2	Pinole Pt. Marshes South	5400			6000	16 22#+ danforth	2	1			8
10	2-422.1	Keil Cove		2400			7 20#+ w 10' 1/2" chain	2			1,200 feet ofM/2"ancho ro£e	6
		13-24 hours	9000	3200	•		24			4		24
13	2-451.2	Castro Rocks (flood tide, oil from S or SE)	6000				9 5/40 # Danforth and 4/22 # Danforth	3	1		maneuverable Bboats & 1500' line	11
16	2-453.2	Brook's Island		3200			8 5/22 #+/danforth & 3-stakes	1	1		boom boat capable of withstanding grounding	4
24	2-427.1	Marin Islands	3000				7-22+/danforths + chain.	3				9

SHORELINE PROTECTION TABLE - S.F. SECTOR - SUISUN BAY GRA 6 8/2013

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	Strategy or Site											T
	Number		Harbor	Swamp	Other Boom	Sorbent	Anchoring Systems	Boom		Skimmore		
Protect by hour		Site Name	Boom	<u> </u>	Amt Type	Boom	No. Kind		Skiffs	No. Type	Special Equipment and Notes	Staff
		First 6 hours	9500	3450	0	5100	104			0		56

						1						$\overline{}$
2 2-60	605.2	Hastings Slough & Point Edith Marshes	2400				6 5/22#+/danforths + 20'chain	3				9
3 2-60	605.1	Hastings Slough & Point Edith Marshes	1500	1100		2300	38 5/22#+ & 11/12#+ danforth & 22 stakes	2	6		bboat: shallow, strandable. Stakes	18
3 2-60	607.1	Weapons Station Marshes & Seal Islands		1050		900	14 4/12#+/danforth & 10 stakes		1			2
4 2-60	603.1	Bulls Head marsh and Pacheco Creek	1100	400		1000	19 4/22#+ & 5/12#+ denforths & 10 stakes	1	2		bboat: strandable, shallow water, stakes	7
4 2-63	631.2	Roe Island	3000				7.75#+ danforth + heavy chain	3	1			9
5 2-60	608.1	Shore Acres Marsh		900		900	16 3#+ danforths & stakes	1	1			3
5 2-63	633.1	Middle Ground Island	1500				4 22#+ danforths & chain	2	1			8
		7-12 hours	5500	5650		6500	105			0		48
7 2-70	702.1	Stake Point Marshes	2000			600	22 4/22#+ & 6/12#+/danforths stakes &	32	2			10
7 2.75	752.1	Chips Island, Southern Side	300	1200		300	30 30/12+# danforths and stakes	2	1		Bboat: shallow draft	8
8 2-60	601.2	Martinez Marsh	600				1 22#+/danforth + 20' chain	1				3
8 2-67	673.1	Honker Bay East Chipps Island Shore	400	1700		1000	45 3/22#+ & 4/12#+& danforth & 8 stakes	2				5
9 2-60	601.1	Martinez Marsh		250		1300	12#+ anchor & stakes		1		boat capable of shallow grounding	2
11 2-63	632.1	Ryer Island	2200	1900		3000	30 15/22#+& 15/5#+/danforth 20 stakes	4	3		1 very shallow draft boats & 18 flags	18
12 2-63	631.1	Roe Island		600		300	6 12#+/danforths & stakes		1		very shallow boat, draft airboat or hovercraft &	2
		13-18 hours	9000	3450	0	400	59			0		65
13 2-66	667.1	Freeman & Snagislands	1200	250			8 12#+/danforths & stakes	1	2			7
13 2.70	705.1	Mallard Island	2200			400	12 825# & 4/15# danforth	3	2			14
		Freeman & Snag Islands					6 22#+/danforths & stakes					

		SHORELINE	PRO	TECT	ION TABL	E - S.	F. SECTOR - SUISUN E	BAY (GRA	6, continu	ed 8/2013	
Protect by hour	Strategy or Site	Site Name	Harbor Boom	Swamp Boom	Other Boom Amt Type	Sorbent Boom	Anchoring Systems No. Kind	Boom Boats	Skiffs	Skimmers No. Type	Special Equipment and Notes	Staff
14	2.671.1	Honker Bay West - Wheeler Island Shore	1300	700			6 6/12##/danforths & stakes	2	4			15
17	2 688.1	Dutton Island		2500			22					12
18	2-755.1	Spoonbill Creek	3000				5 22#+ danforth, 100' line, 30' chain	3	1			#
		18 24 hours EBB	19800	300	0	300	47			1		66
19	2-660.1	Grizzly Bay	13000				26 22#+/danforth & chain	1-12	2		shallow draft boom boat grounding capable	40
20	2-672.1	Honker Bay North Van Sickle Island	800	300		300	§ 12#+ danforths	2	2	1 SSS		10
20	2-712.1	Winter Island	6000				13 22+#/danforth anchors	4	2			16

		SHORELIN	E PR	OTEC	TION TAE	LE -	S.F. SECTOR - MONTER	REY /	ANC	HORAGE /	\ 8/2013	
Protect by hour	Strategy or Site	Site Name	Harbor Boom	Swamp Boom	Other Boom Amt Type	Sorbent Boom	N: 1	Boom Boats	Skiffs	Skimmers No. Type	Special Equipment and Notes	Staff
		First 6 hours	5400	0	0	4	0 10					12
2	3-360.1	Monterey State Beach	on water respon	se only; no shore	ine protection feasible							

2	3 370.1	Monterey Harbor Entrance	2400				7	large Danforth, as needed	2			2 mooring weights with buoys	6
2	3-375.1	USCG Jetty in Monterey Bay	3000				3	large Danforth, as needed	2				6
4	3-330.1	Monterey BayDunes	on water respons	e only; no shore	line protection feasible								
5	3-380.1	Point Cabrille	on water respons	se only; no shore	line protection feasible								
		7 - 18 hours	0	2000	0	0	8				4		10
10	3-345.1	Marina St. Beach	on water respons	e only;	no shoreline protection	feasible		1					
16	3 340.2	Salinas River Inlet		2000			8	4 Stakes & 4 Danforths					10
17	3-325.1	Salinas River State Beach	on-water respons	se only; no shore	line protection feasible			1					
		19-24 hours	3000	1600		4200	19						10
19	3-305.1	Moss Landing inlet	3000	1600	0 S*	3000	13		1	ļ		Anchor posts or stakes	5
19	3-310.1	EkhomSlough			OS*	1200	6		1	1		Anchor posts or stakes	5
23	3-301.1	Zmudowski Beach St. Park	on water respons	e only; no shore	line protection feasible						,		

		SHORELINE PR	OTEC	TION	TABLE -	CENT	RAL COAST - PT BUCH	ION .	/ MO	RRO BAY	AREA 8/2013	
Protect by hour	Strategy or Site Number	Site Name	Harbor Boom	Swamp Boom	Other Boom Amt Type	Sorbent Boom	Anchoring Systems No. Kind	Boom Boots	Skiffs	Skimmers No. Type	Secuid Equipment and Notes	Staff
		First 6 hours	8700		, ,	5100		Dono	OATE	110. 1)pe	ореспе адаритет чин 111100	56
2	4-310.2	isayCreek		100			2 small anchors or stakes			1 SSS		4
2	4-315.1	Lion Rock	on-water respons	se only; no shorel	line protection feasible							
3	4-300.1	Morro Bay Sand Spit	on-water respons	se only; no shore	line protection feasible							
4	4-150.1	Morro Rock	on water respons	se only; no shore	line protection feasible							
4	4-200.1	Morro Bay julet	2000				2 40 lb. Anchors	2		1-SFS/SPS		6
4	4-200.2	Morro Bay inlet	2000				2 40 lb. Anchors	2		1 SSS/SPS		6
4	4-200.3	Morro Bay jnlet	3500				2 40 lb. Anchors	2		1 SFS/SPS		6
5	4 215.1	Morro Bay St. Park Marina	1200				2 40 lb. Anchors		2	1 SFS	fence posts	6
5	4-220.1	Morro Bay Marsh Habitat				5000			2	1-SFS	fence posts	6
5	4-225.1	Chorro Creek jnlet				50				1-SSS	fence posts	4
5	4-230.1	Los Osos Creek inlet				50				1-SSS	metal stakes	4
5	4-235.2	Sweet Springs Marsh		50 300			2 small anchors or stakes			1-SSS	fence posts	4
5	4-240.1	Cuesta by the Sea julet		200			2			1-SSS		4
6	4-130.1	Morro Strand State Beach - North	on-water respons	se only; no shore	line protection feasible	,						
- 6	4-130.2	Morro Strand State Beach - North/Willow Creek		100			2 small anchors or stakes			1-SSS	small anchors, stakes, or fence posts	2
6	4-135.2	Torro Creek		300			2					4
6	4-140.1	Morro Strand State Beach - South	on-water respons	se only; no shorel	line protection feasible							
6	4-145.1	Morro Strand State Beach - Pismo Clam Preserve	on-water respons	se only; no shore	line protection feasible	,						
		7 - 24 hours	1000	600	0	0	6					16
18	4-120.1	Cayucos Point & San Geronimo Creek	on-water respons	se only; no shorel	line protection feasible							
18	4 115.2	Villa Creek Inlet and Beach		300			2-small anchors or stakes			1 SSS		2
18	4-115.5	Villa Creek Inlet and Beach	on water respons	se only; no shore	line protection feasible							
18	4-120.1	Cayucos Point & San Geronimo Creek	on water respons	se only; no shore	line protection feasible							
18	4-120.3	Cayucos Point & San Geronimo Creek		100			2 small anchors or stakes			1 SSS		4
18	4-125.2	Cayucos Creek Inlet		200			2 small anchors or stakes			1-SSS		4
24	4 320.1	Diable Canyon Pwr Plant	1000	ł.				2	2	SFS		6

		SHORELINE	PROT	ECTIO	ON TABLE	E - SA	NTA BARBARA CHANN	IEL /	PT (CONCEPT	ON 8/2013	
Protect by hou	Strategy or Site	e Site-Name	Harbor Boom	Swamp Boom	Other Boom Amt Type	Sorbent Boom	Anchoring Systems No. Kind	Boom Boats	Skiffs	Skimmers No. Type	Special Equipment and Notes	Staff
		First 6 hours	0	400	4	395	13			4		18
2	4-567.1	Pt. Conception/Government Pt.	on water respons	e only; no shoreli	ine protection feasible							
4	4-570.1	Damsite Canyon Creek		100		80	5				1 FE Loader, 3 culvert, 2U sandbags, 1 u skakes, 1 roll plastic, 1 stake driver, 20' construction	5
4	4-572.1	San Augustine Creek				15					20 Sand Bags, 1 Roll Plastic, 3 Culverts, 15 Stakes, 1 hand tool	3
4	4-575.1	Arroyo El Bolito		100		100	4				1 FE Loader, 1 Roll Plastic, 3 Culverts, 20 Sand Bags, 15 Stakes, 1 stake driver, 10 ^o construction fencing, 1 hand tool	5
5	4 580.1	Canada De Santa Anita (Creek)		200		200	4				1 FE Loader, 1 Roll Plastic, 3 Culverts, 20 Sand Bags, 15 Stakes, 1 stake driver, 10' construction fencing, 1 hand tool	5
		7-12 hours	0	800	0	800	12			4		15
8	4 585.1	Canada De Alegria		200		200	4				1-FE-Loader, 1-Roll Plastic, 3-Culverts, 20-Sand-Bags, 15-Stakes, 1-stake driver, 10 ^o construction fencing, 1-hand-tool	5
#	4 590.1	Canada Del Agua Caliente		200		200	4				1 FE Loader, 1 Roll Plastie, 3 Culverts, 20 Sand Bags, 15 Stakes, 1 stake driver, 10' construction fencing, 1 hand tool	5
#	4 601.1	Gaviota Creek		400		400	4				1 FE Loader, 1 Roll Plastie, 3 Culverts, 20 Sand Bags, 15 Stakes, 1 stake driver, 10' construction fencing, 1 hand tool	5
		13-24 hours	0	400	0	400	8			0		10
13	4-605.1	Canada Del Alcatraz & Cementario Cks					4				50 Sand Bags, 1 Roll Plastic, 3 Culverts, 1 hand tool	5
18	4 610.1	Refugio Creek		400		400	4				1 FE Loader, 1 Roll Plastic, 3 Culverts, 20 Sand Bags, 15 Stakes, 1 stake driver, 10' construction fencing, 1 hand tool	5

SHO	RELINE	PROTECTION TABLE - P	ORT I	HUEN	EME REL	EASE	8/2013					
Protect by hour	Strategy or Site Number	Site Name	Harbor Boom	Swamp Boom	Other Boom Amt Type	Sorbent Boom	Anchoring Systems No. Kind	Boom Boats	Skiffs	Skimmers No. Type	Special Equipment and Notes	Staff
		First 6 hours	5400	0	0	2500	16			4		12
2	4-775.1	Channel Islands Harbor	3000			1500	8	2	2	+	(1) 20-yd waste bin, 1-portable oil storage tank	6
2	4 780.1	Port Hueneme	2400			1000	8	2	2	1	(1) 20-yd waste bin, 1 portable oil storage tank	6
		7 to 18 hours	2000	3000	0	3000	27			1		30
8	4 750.1	Santa Clara River Estuary		1500		1000	6				i i E loadei, i ion-plastic, 40 sand bags, 6 culvei ts, 150 stakes, 3 stake drivers, 40 construction fencing, (1) 20 yd waste bin, 1 portable	10
9	4.747.1	Ventura Harbor	2000			1000	15	2	2		oil storage tank, 1 hand tool (1) 20 yd waste bin, 1 portable oil storage tank	10
10	4 .783.1	Ormond Beach Wetlands & State Beach		1500		1000	6				1FE loader, 1 roll plastic, 40 sand bags, 6 culverts, 150 stakes, 3 stake drivers, 40 construction feacine. (1) 20 vd waste bin. 1 portable	10
		19 - 24 hours	0	1000	0	1000	6			0		7
19	4 740.1	Ventura River Mouth		1000		1000	6		1		1-FE loader, 1-roll plastic, 40 sand bags, 6 culverts, 100 stakes, 3 stake drivers, 40' construction fencing. (1) 20 vd waste bin. 1 portable	7

		First 6 hours	10000	500	0	•	30				22
2	6-420.1*	Cross Bay Boom	2000				Q	2			4
3	6-430.2	USN Delta Beach	1500				6 light wt anchor systems	2			6
4	6-435.2	Paradise Marsh		500			1 light wt anchor systems	2			6
5		Sweetwater River NWLRefuge	6500		•		14 light wt anchor systems	2	-		6
D to 2000 ft	of containment boom	required to meet the 2 hour on-water containment requirement can be utilized			•					_	
		7 12 hours	1500	0	0		8				23
7	6-455.2	South Bay NWL Refuge and Otay River	500				4 light wt anchor systems		1		4
Q	6-460.2	Emory Cove Marsh								300 sand bags, shovels and sand	15
10	6-400.10	Harbor Island Marina	1000				4 light wt anchor systems	1			4
		13 - 24 hours	3000	0	0		10				#
18	6.400.9	Commercial Basin	1000				4 light wt anchor systems	1			4
20	6-400.8	Shelter Island Marina	500		•		3 light wt anchor systems	1			4
24	6-415.1	Navy Magnetic Silenceinq Facility	1500		•	,	3 light wt anchor systems	1	·		3
	1							1 1			

Small Harbor BAP Shoreline Requirements for Small Vessel Response Plans 8/2013

	<u> </u>	ian ma	1801 Bit Officion		1090	0	onto for oman vol	555,	,,,,	\succeq_{I}	50110	0110072010	
	deploy by	Strategy* or Site		Harber Boom*	Swamp Boom*	Sorbent Boom*	Anchor Systoms* No. Kind	Boom* Boats		S No	kimmers .		
Harbor	nour	Number	Site Name / location						Skiffs		Type*	Special Equipment and Notes	Staff
Crosont City	3	as needed	Crosont City	1000		200	4 Danforth anchoring systems	4				oil sweep can be substituted for serbent beem	3
Shelter Cove	- 3		Shelter Cove		1000	200			4			oil sweep can be substituted for sorbent boom	3
Fort Bragg	3		NoyoHarbor		1000	200			4			oil swoop can be substituted for sorbent beem	3
Albion	3		Albion		1000	200	8 Danforth anchoring systems		4			oil sweep can be substituted for serbent boom	3
	_	1			1000			1		-		•	_
Bodoga Bay	3	2-118.2	Bodega Harbor	1800			⁴ 22+ Ib danforths	₽		ļ		shoreside skimmer	₽
	3	as needed	Bodoga Harber		1000	200	4 anchoring systems						
Bolinas	3	2-146.1	Belinas Lagoon		3000	200	8 4x12*# anchors * 4 stakes		3				
Pillar Point	3	2-162.4	Pillar Point Marsh & Donniston Crock	500			9 2/50+ & 7/22 danforths + chains	4	1				1
i mai i ome	3	as needed	Pillar Point March & Donniston Crock		1000	200		T .		1			+
	7	2-162.4	Pillar Point Marsh & Donniston Crook		1000	200	Tunonormy oyotomo			1	SPS		†
	-									ř–			+
Santa-Cruz										<u> </u>			
	3	3-220.1	Santa Cruz Harbor Entranco	2500			7 Danforth anchoring systems	3		<u> </u>	292 222	skimmer with 3 staff	11
	7	3-210.1	San Lorenze River Inlet		800	400	9 Danforth anchoring systems				222	600' 6" PVC pipe or berm	20
Moss Landing	3	as nooded			1000	200	4 Danforth anchoring systems		4				3
ooo zananig									-				
	<i>∓</i>	3-305.1	Moss Landing Inlet	5500	1600	2000 OS	¹ ₀ 7 Stakes & 3 Danforth	4		3		Share VSW boom boats + Elkhorn Slough crew.	20
	<i>,</i>	3-310.1	Elkhorn Slough		6000	12000 OS	8 4 Stakes & 4 Danforth as needed	2				Romark: backup to Moss Landing - one or more chevrens. VSW beembeat	10
Morro Bay	3	4-200.2	Morro Bay Inlet	2000			2 40 lb. Anchors	2		1	SFS		6
•	7	4-225.1	Chorro Crook Inlet			50	2 small anchors or stakes			1 SS		fonco posts	4
	7	1-230.1	Los Osos Crook Inlot			50	₂ small anchors or stakes			1 SS			4
	7	4-235.2	Swoot Springs March		300		2 small anchors or stakes			1 SS	is:	fonce posts	4
	7	1-240.1	Cuesta by the Sea Inlet		200		2 small anchors or stakes			1 SS		,	4
Port San Luis / Avilla	3	4-335	Port San Luis / Avilla	on-water response	200		2 0/10/10/10/10 07 0/10/100			, 50		on water response only; no shoreline protection feasible	
Santa Barbara Harbor	3	4-665.1	Santa Barbara Harbor	4000	Ð	2500	2 anchoring systems	2	4	4		(1) 20 yd waste bin, 1 portable oil storage tank	10
	7	4-670.2	Mission Crook / Laguna Channol		1600	1600	8 anchoring systems					160 stakes, 2 stake drivers, (1) 4wd vehicle	8
	₹	4-672.2	Sycamore Creek and Andre Clark Bird R	Refuge	400	400	₈ anchoring systems					160 stakes, 2 stake drivers, (1) 4wd vehicle	8
Ventura Harbor	3	4-747.1	Ventura Harbor	2000		1000	4 anchoring systems	2	-2	_		(1) 20 yd waste bin, 1 portable oil storage tank	10
Ventura narbor	-	4-/4/.1	Ventura narsor	2000		7000	_E unenoring systems	-	7	7			+++
	2	1-750.1	Santa Clara River estuary		1500	1000	6 anchoring systems		4			1 FE loader, 1 roll plastic, 6 culverts, 40 sand bags,	10
	*	1-7-00.11	Janta Gara Arror Gottaary		1000	7000	v anonormy cyclome		_			150 stakes, 3 stake drivers, 40' construction fencing,	70
										-		(1) 20 yd waste bin, 1 pertable eil sterage tank, 1	
Channel Islands Harber	3	4-775.1	Channel Islands Harber	3000		1500	8 anchoring systoms	2	-2			(1) 20 yd wasto bin, 1 portablo oil storago tank	6
Marina Dol Rov	3	as noodod	Marina Dol Roy		1000	200	3 anchoring systems	4					3
,			•										
	3	5-140.1	Ballona Creek	500			1 40 lb Danforth anchoring systems	#					4
	3	5-150.1	Ballena Lageen Wetlands									Close Tidal Gates.	
	3	5-150.2	Ballona Wetlands									Block Culvert. Sandbags/Inflatable Plug	
Kjn^Harbor	3	as needed	Kin^Ha^or		1000	200	4 anchoring systems		4				3
Dana Point	- 3		Dana Point Harbor		1000	200	4 anchoring systems	<u> </u>		₽-		4000Las Filter Parrier Famains and tract	+
	3	5-390.2	San Juan Creek							<u> </u>	ļ	1000' of Filter Barrier Fencing and posts.	10
Newport Bay Harbor	3	5-360.1	Lower Ne^port_Bay	2000			5 anchoring systems			1			4
	₹	5-365.1	Upper Newpo^Bav	1000			4 anchorin^ystems	4					4
	 -	1		+++++	40.77	+		+ +		1	1		+
	- €	as needed	Oceanside & Carlsbad harbors		1000		4 anchoring systems	-		1	ļ		+
Oceanside/Carlsbad		6-145.2	Santa Margarita River	3000	1		[₿] anchorin^systoms	2		L			₽
Oceanside/Carisbad	7												
	+		Mission Reventrance	800			2 anchoring systems						4
	3	6-200.1	Mission Bay entrance	800 700			2 anchoring systems						4 2
	3	6-200.1 6-200.2	Mission Bay entrance	700			2 anchoring systems						3
Oceanside/Carlabad Mission Bay	3	6-200.1 6-200.2 6-200.3			5000				2				_

REPEAL

Glossary of Terms Used in the BAP Shoreline Protection Tables

August 29, 2013

Anchoring Systems - Anchoring systems refer to anchors, stakes and other devices necessary to secure booms and other mechanically deployed protection measures. When used to identify anchors, whether expressly stated or not, anchoring systems must be sufficient to hold boom in the aggressive currents such as are common to SF Bay and other California estuaries. Typically systems are presented as a number of anchors and minimal weight (e.g., 3/12+ - means three anchors of a minimum of 12 lbs each) with at least an equal weight of anchor chain weight whether specified or not; without substantial anchor chain weight, anchors will not hold. To insure successful anchoring, the anchoring system should include: anchors with anchor buoys to control placement, anchor chains which equal or exceed the weight of anchors, enough line to produce adequate scope to hold anchors (rule of thumb is 3:1 (line to depth), but 5-7:1 for high current areas), and a crown buoy between anchor line and boom to keep the anchor from sinking the boom under strong currents.

BBoat - see Boom Boat

Boom Boats - a boat suitable for transporting, towing and deploying large amounts of boom, usually crewed with a helmsman and two crew for deployment. Numbers of such boats usually are referenced in terms of boom boat equivalent (BBE). BBE is the capability of a vessel to transport and deploy 600 feet of Harbor Boom or 1800 ft of Swamp Boom. Actual vessels may be capable of transporting greater or lesser amounts of boom. Boom boats must be capable of grounding without sustaining damage. (Also see Shallow Water Boom Boats and Very Shallow Water Boom Boats.)

Danforth - refers to "danforth anchors" with chain. Northill anchors and other anchor types which "dig in" are equivalent.

FELoader - Front-end-loader or skip-loader: mechanical equipment with mechanical scoop or bucket for moving sediment.

GNOME - General NOAA Oil Spill Modeling Environment

Harbor Boom - an inland waters type boom (greater than 18" and less than 42" overall (flotation and skirt)) of a curtain boom design (skirted boom with solid flotation). Early strategies attempted to clarify boom size by indicating flotation and skirt as follows: 9X9+ which indicated a boom with at least 9" of flotation and 9" of skirt, and would now be interpreted as at least 18" overall. This boom type typically has strength members (steel cable and chain) in both upper and lower margins.

Protect By Hour—the hour after the release when the site must be protected to insure that the site protection is in place before the oil is likely to impact. Generally, this time is about an hour prior to impact, but may be otherwise due to uncertainty of impact time.

Other Boom—is any boom other than harbor boom, swamp boom, or sorbent boom. This term is used to simplify equipment tables. A type designator should be used as well as a length. Type designators include: **TB** or TBB - tidal barrier boom or Texas barrier boom **OB** - ocean boom **OS** - oil snare

SWEP - oil sweep: sorbent pads in continuous strips Shallow Water - less than three feet of water Shallow Water Boom Boats - a boom boat capable of working in three feet of water or less, and should be able to withstand stranding without sustaining damage.

Skiff - a small two person craft able to operate in 3 foot waves or larger and capable of delivering personnel and equipment to shores.

Skimmer refers to a skimming system. A skimming system includes a collection device (such as a weir, ropemop, drum, or other skimming design to separate oil from the aqueous environment), storage for collected material, power supply to power such a system, and all the hoses and connectors necessary for system operation. Types of skimmers refer to the configuration of the deployment of such systems rather than a particular device or manufacturer.

SFS - stationary floating skimmer - a floating platform supporting a skimmer and storage.

SPS - self-propelled skimmer - a small to medium sized skimmer with its own propulsion and storage.

SSS shore side skimmer, includes a skimming unit, such as a rope mop or weir skimmer and its support pack and a storage container such as a vacuum truck, baker tank, or other tank.

SWS - Shallow Water Skimmers - Skimmers capable of operating in less than two feet of water.

Towed Skimming Array - a skimming system with two boats towing collection booms connected to a skimmer (in a "V" formation) to funnel oil to the skimmer and may be referred to with the acronyms TSA and VSA.

TSA (towed skimming array as above) - a skimming array with two boats towing collection booms which funnel oil to a skimming system, of either SPS or SFS design.

VSA - "V"-Skimming Array -Same as TSA

OSRV - Oil Spill Response Vessel. A large **self-powered** vessel dedicated to oil spill skimming and response **VOSS** - Vessel of Opportunity Skimming System - Usually moderate to large vessel which can be equipped

with a skimming device and storage to create a mobile on water skimmer capable of operating in local conditions and waters.

Sorbent Boom - sorbents in a boom or sausage-like construction with or without a skirt.

Strategy or Site Number - deployments are listed in the Area Contingency Plan by a site number or as a strategy number which includes the site number.

Swamp Boom - a river boom type (less than 18" overall, usually less than 12" overall) of a curtain boom design. Usually this boom has much lighter strength members, commonly only a single chain in the skirt. This boom is suitable for modest currents and locations without waves.

VSW - very shallow water

Very Shallow Water - less than two feet of water

Very Shallow Water Boom Boats - a boom boat capable of working in two feet of water or less, and should be able to withstand stranding without sustaining damage.