

**Appendix A. Projects Reviewed by the DMMO During Calendar Year 2001.** Seventy-three projects were reviewed during the year; twenty-seven of these were still in review as of December 31, 2001, and review was completed for forty-six projects.

File Name	USACE file number	Proposed Volume (cy)	Disposal Site	DMMO Received Project Date	Tier I Approval Letter Date	DMMO SAP Approval Date	SAP Approval Letter	DMMO Results Approval Date	Results Letter Date	Notes
Bahia Lagoon	22880	318,000	Beneficial Reuse	10/11/00	NA	11/01/00	11/13/00	05/23/01	08/22/01	Wetland Foundation
Bel Marin Keys — Request for Disposal Site Change	22397	240-370K	Beneficial Reuse	07/13/00	NA	NA	NA	06/22/01	NA	Disposal site change
Benicia Industries, Episode 8	23107	18,700	SF-09	05/23/01	pending					
Boat Dock - Boy Scouts of America, Marin Council, Larkspur Sea Base Property	26295	450	SF-10	07/17/01	07/20/01	NA	NA	NA	NA	
Boat Dock - Carrico Property	25840	2,000	SF-10	01/10/01	01/23/01	NA	NA	NA	NA	
Boat Dock - Corona Del Mar Homeowner's Association Property	26331	450	SF-11	09/05/01	09/20/01	NA	NA	NA	NA	
Boat Dock - Cummings Property	25839	550	SF-10	01/10/01	01/22/01	NA	NA	NA	NA	
Boat Dock - Gabiati Property	25987	1,500	SF-10	03/28/01	04/03/01	NA	NA	NA	NA	
Boat Dock - Meenan & Brello Property	25988	600	SF-10	03/28/01	04/03/01	NA	NA	NA	NA	
Castrol, North American Consumer Berth and Extension of Santa Fe Channel	26487	142,000	SF-10	11/07/01	NA	11/07/01	12/13/01	pending		
Chevron, Richmond Long Wharf	24369	100,000	SF-11	05/23/01	NA	05/23/01	06/07/01	09/26/01	10/04/01	
Chevron, Richmond Long Wharf, Master SAP	24369	NA	SF-11	04/09/01	06/07/01	NA	NA	NA	NA	Master SAP Approved
City of Benicia Marina	22724	62,000	SF-09	08/01/00	NA	11/09/00	11/14/00	01/31/01	02/05/01	
City of Benicia Marina	22724	17,000	SF-09	02/28/01	03/15/01	NA	NA	NA	NA	At Seacloud II Site
City of Foster City Lagoon	22149	110,000	Beneficial Reuse	02/28/01	03/27/01	NA	NA	NA	NA	
City of Martinez Marina	25722	35,000	Beneficial Reuse	10/04/00	NA	11/01/00	11/13/00	01/10/01	02/02/01	City upland disposal site
City of Pittsburg Marina	26215	124,000	Beneficial Reuse	06/06/01	NA	06/22/01	07/06/01	09/05/01	09/24/01	Upland to Winter Island

File Name	USACE file number	Proposed Volume (cy)	Disposal Site	DMMO Received Project Date	Tier I Approval Letter Date	DMMO SAP Approval Date	SAP Approval Letter	DMMO Results Approval Date	Results Letter Date	Notes
City of San Leandro Marina	26197	10,000	Beneficial Reuse	04/24/01	06/07/01	NA	NA	NA	NA	City upland disposal site
City of Vallejo Marina, South Harbor	23768	66,000	SF-09	08/08/01	NA	08/08/01	08/14/01	10/12/01	11/02/01	
Emery Cove Marina	25155	68,500	SF-11	05/04/00	NA	06/13/00	07/19/00	01/31/01	02/06/01	
Gallinas Creek area levee at San Rafael Airport	21570	See notes	Beneficial Reuse	09/26/01	pending					
Hanson Aggregates, Oakland Offloader Berth	26355	600	Beneficial Reuse	09/05/01	03/06/02	NA	NA	NA	NA	Upland on site
Kiewit Pacific Companies	25059	64,500	SF-09	03/09/00	NA	03/17/00	04/09/00	12/12/00	08/09/01	
Kiewit Pacific Companies	25059	28,000	Beneficial Reuse	03/09/00	NA	03/17/00	04/09/00	12/12/00	08/09/01	Upland on site
Kiewit Pacific Companies	25059	6,000	unknown	03/09/00	NA	03/17/00	04/09/00	12/12/00	08/09/01	Insufficient info for suitability
Loch Lomond Marina	25764	171,000	SF-10	11/08/00	NA	11/29/00	02/06/01	05/10/01	06/28/01	
MARAD Access Channel, Caltrans	21392	50,000	Beneficial Reuse	03/28/01	pending					Upland to Winter Island
Marin Co.Park District, Black Point Launch Ramp	24520	200	SF-10	09/26/01	10/07/01	NA	NA	NA	NA	
Marina Plaza Harbor	26488	13,000	unknown	11/07/01	NA	11/07/01	11/15/01	pending		
Marina Vista Marina	23771	Review only	SF-10	01/31/01	NA	NA	NA	NA	NA	
McAvoy Yacht Harbor	20663	See notes	Beneficial Reuse	01/31/01	pending					
Pittsburg Power Plant	25536	21,000	SF-09	8/8/00	NA	09/11/00	09/19/00	09/26/01	11/01/01	
Port of Oakland Berth 35	23162	13,300	SF-11	06/28/01	NA	07/05/00	02/06/01	04/24/01	07/20/01	
Port of Oakland Berth 35	23162	5,100	Beneficial Reuse	06/28/01	NA	07/05/00	02/06/01	04/24/01	07/20/01	Upland on site, Berth 10
Port of Oakland Berth 20	23162	4,600	Beneficial Reuse	06/28/01	NA	07/05/00	02/06/01	04/24/01	06/13/01	Upland on site, Berth 10
Port of Oakland Berth 21	23162	2,300	SF-11	06/28/01	NA	07/05/00	02/06/01	04/24/01	06/13/01	

File Name	USACE file number	Proposed Volume (cy)	Disposal Site	DMMO Received Project Date	Tier I Approval Letter Date	DMMO SAP Approval Date	SAP Approval Letter	DMMO Results Approval Date	Results Letter Date	Notes
Port of Oakland Berth 22	23162	3,400	SF-11	06/28/01	NA	07/05/00	02/06/01	04/24/01	06/13/01	
Port of Oakland Berth 22	23162	3,000	Beneficial Reuse	06/28/01	NA	07/05/00	02/06/01	04/24/01	06/13/01	Upland on site, Berth 10
Port of Oakland Berth 23	23162	10,200	SF-11	06/28/01	NA	07/05/00	02/06/01	04/24/01	06/13/01	
Port of Oakland Berth 37	23162	7,800	SF-11	06/28/01	NA	07/05/00	02/06/01	04/24/01	06/13/01	
Port of Oakland Berths 60-63	23162	35,500	SF-11	07/17/01	07/20/01	NA	NA	NA	NA	
Port of Oakland Berths 67 & 68	23162	9,600	SF-11	12/12/01	12/14/01	NA	NA	NA	NA	
Port of Richmond, Shipyard #3	23246	See notes	Beneficial Reuse	06/22/01	pending					Upland on site NW35
Port of San Francisco, Pier 35 East	22718	15,000	SF-11	04/24/01	NA	05/23/01	06/11/01	07/17/01	09/26/01	
Port of San Francisco, Pier 35 East	22718	51,000	Beneficial Reuse	04/24/01	NA	05/23/01	06/11/01	07/17/01	09/26/01	Upland to Winter Island
Port of San Francisco, Pier 35 East	22718	11,000	Beneficial Reuse	04/24/01	NA	05/23/01	06/11/01	07/17/01	09/26/01	Upland on site, Berth 94/96
Port Sonoma Marina	22477	31,000	Beneficial Reuse	NA	NA	NA	NA	NA	NA	Upland on site NW35
Potrero Power Plant - Unit 7 Project	26357	6,100	Beneficial Reuse	01/10/01	NA	NA	NA	07/17/01	02/06/02	Upland on site NW7
Ryer Island	25732	3,000	SF-09	07/25/01	NA	01/10/01	01/22/01	04/24/01	05/22/01	
San Francisco Airport -Expansion Project	21371	pending								
San Francisco-Oakland Bay Bridge (SFOBB)	23013	93,000	Beneficial Reuse	01/20/99	NA	05/12/99	05/14/99	10/31/00	07/06/01	11/21/01 change to Winter Island
San Rafael Creek	26633	See notes	Beneficial Reuse	NA	06/01/01	NA	NA	NA	NA	Upper 1500 feet to Winter Island
Sausalito Marine Properties	25916	22,000	SF-11	01/31/01	NA	03/12/01	04/04/01	10/12/01	11/07/01	
Sausalito Marine Properties	25916	17,000	Beneficial Reuse	01/31/01	NA	03/12/01	04/04/01	10/12/01	11/07/01	To Winter Island or more tests
Tosco Refining Company, Richmond Terminal Berth	23486	13,000	unknown	11/07/01	NA	11/07/01	11/15/01	NA		

File Name	USACE file number	Proposed Volume (cy)	Disposal Site	DMMO Received Project Date	Tier I Approval Letter Date	DMMO SAP Approval Date	SAP Approval Letter	DMMO Results Approval Date	Results Letter Date	Notes
Tosco Refining Company, Rodeo Terminal Berth	23455	170,000	SF-09	06/22/01	NA	06/22/01	07/06/01	08/01/01	08/06/01	
U.S. Army Reserve Center Mare Island Piers 21-24, Versar	25989	385,000	SF-09	03/12/01	NA	03/12/01	03/30/01	11/07/01	11/20/01	
U.S. Coast Guard, Station Golden Gate (Horseshoe Cove)	24370	15,000	SF-11	06/22/01	08/20/01	NA	NA	NA	NA	
USACE 50-Foot Deepening Project – Review	22778	237,000	See notes	11/29/00	pending		NA	03/12/01	NA	Suitable for in bay
USACE 50-Foot Deepening Project – Review	22778	167,000	See notes	11/29/00	pending		NA	03/12/01	NA	Suitable for upland
USACE Jack D. Maltester (San Leandro) Channel	Corps	155,500	Beneficial Reuse	02/13/01	NA	02/28/01	NA	05/10/01	NA	DACW07-01-C-0021
USACE Larkspur Ferry Channel	Corps	430,000	SF-11	03/28/01	03/28/01	NA	NA	NA	NA	DACW07-01-C-0017
USACE Oakland Inner and Outer Harbor	Corps	220,000	SF-DODS	04/24/01	06/21/01	NA	NA	NA	NA	DACW07-01-C-0020
USACE Pinole Shoal Channel	Corps	171,700	SF-10	03/28/01	03/28/01	NA	NA	NA	NA	Essayons
USACE Redwood City Harbor Channel	Corps	431,100	SF-11	04/24/01	NA	05/10/01	NA	08/08/01	NA	DACW07-01-C-0024
USACE Richmond Inner Harbor	Corps	175,000	SF-DODS	02/13/01	06/21/01	NA	NA	NA	NA	DACW07-01-C-0015
USACE Richmond Outer Harbor (Southampton Shoal and Long Wharf)	Corps	64,400	SF-11	02/13/01	02/28/01	NA	NA	NA	NA	Essayons
USACE San Francisco Main Ship Channel	Corps	62,000	SF-08	02/13/01	02/14/01	NA	NA	NA	NA	Essayons
USACE Suisun Bay Channel	Corps	136,100	SF-16	03/28/01	03/28/01	NA	NA	NA	NA	Essayons
USACE Suisun Channel Emergency Dredging	Corps	25,000	SF-16	08/15/01	NA	09/26/01	NA	09/26/01	NA	DACW07-01-C-0012
Valero Refining Company	22881	17,000	SF-09	03/07/01	NA	NA	NA	NA	NA	Dredge Op Plan approval dates
Valero Refining Company	22881	13,500	SF-09	08/03/01	NA	NA	NA	NA	NA	Dredge Op Plan approval dates
Valero Refining Terminal	22881	27,300	SF-09	08/28/01	NA	NA	NA	NA	NA	Dredge Op Plan approval dates

**Appendix B. Dredged Material Disposal Volumes for Calendar Year 2001.** Projects conducted dredging in the months indicated. The quantities are in cubic yards (cy). Bin quantity is an estimate of sediment plus water that is deposited at the disposal site). In situ volume is also in cy; it is calculated as the difference between pre-dredge and post-dredge bathymetric surveys, and is a more accurate measure of the quantity of material removed from the dredge site. Monthly volumes are reported as bin volumes.

Project	Total Bin Volume (cy)	In Situ Volume (cy)	Notes	Jan	Feb	Mar	Apr	May	Jun	Jul	Aug	Sep	Oct	Nov	Dec
Benicia Marina	50,400	27,141										13,950	21,450	10,000	5,000
Chevron Richmond Long Wharf	26,200	26,976												26,200	
Emery Cove Marina	3,700	pending	1												3,700
Emery Cove Yacht Harbor Entrance	47,065	47,110												47,065	
Galilee Harbor	500	500								500					
Marin Co. Park District, Black Point Boat Ramp	240	240												240	
Marin Yacht Club	28,350	22,285								5,425	10,200	9,500	3,225		
Marina Vista Homeowners Association	17,275	15,488								4,625	12,650				
Martinez Marina	35,000	pending	2, 3	35,000											
Port Of Oakland, Berth 20	2,200	1,376										2,200			
Port Of Oakland, Berth 21	2,800	1,005										2,800			
Port Of Oakland, Berth 22	6,400	3,652										4,000			2,400
Port Of Oakland, Berth 23	15,000	6,084												11,000	4,000
Port Of Oakland, Berth 35	12,800	12,983													12,800
Port Of Oakland, Berth 37	5,400	6,181										5,400			
Port Of Oakland, Berth 60	8,800	4,712											8,800		
Port Of Oakland, Berth 61	5,200	4,146											5,200		
Port Of Oakland, Berth 62	4,000	5,043											4,000		
Port Of Oakland, Berth 63	5,300	5,382											5,300		
Port Of Oakland, Berths 57-58	2,987,505	2,411,177	3	178,561	124,059	210,961	158,828	68,721							
Port Of San Francisco, Pier 35 E&W	18,000	pending	2												18,000
Port Of San Francisco, Pier 39	46,415	39,963	3			3,600	7,090	10,250	6,750	925					
Port Sonoma Marina	30,475	30,475													
Richmond-San Rafael Bridge, Retrofit	47,127	pending	1				2,418	1,028	8,826	6,933	8,506	9,216	7,621	2,579	

Project	Total Bin Volume (cy)	In Situ Volume (cy)	Notes	Jan	Feb	Mar	Apr	May	Jun	Jul	Aug	Sep	Oct	Nov	Dec
Sierra Point Marina	192,866	117,750	3	9,675	11,575	12,300	8,450	7,775	975						
Tosco Refinery	57,219	57,234											53,069	4,150	
USACE, Larkspur Landing Ferry Channel	644,745	351,389									29,590	163,581	225,453	226,121	
USACE, Main Ship Channel	78,013	9,950	4				78,013								
USACE, Oakland Inner Harbor	223,200	156,311										72,000	123,200	28,000	
USACE, Oakland Outer Harbor	46,400	19,726												46,400	
USACE, Pinole Shoal Channel	347,949	124,086	4			289,773	58,176								
USACE, Redwood City Harbor	495,043	416,877										65,790	235,295	143,684	50,274
USACE, Richmond Harbor, Long Wharf	54,966	51,302					54,966								
USACE, Richmond Harbor, Southampton Shoal	138,040	16,693	4			45,175	92,865								
USACE, Richmond Inner Harbor	465,671	390,642	5						33,404	171,394	174,854	36,019			
USACE, San Leandro Channel (Jack D. Malester Channel)	181,548	181,548													
USACE, Suisun Bay Channel	130,350	34,483	4				105,779					24,571			
Valero Refinery Terminal	38,500	43,984				9,600		10,800			11,200		6,900		
Vallejo Marina	90,658	pending	1								6,990	32,768	18,100	32,800	
Vallejo Yacht Club	41,000	37,412										9,625	15,725	15,650	
Totals:				223,236	135,634	571,409	566,585	98,574	49,955	189,802	253,990	451,420	733,338	593,889	96,174

Notes:

- 1 Dredging was not completed in 2001, final volumes pending project completion.
- 2 Post-dredge surveys have not been submitted
- 3 Bin volume includes 2000 and 2001 data
- 4 Suspect post-dredge volume calculation, bin volumes are used in overall quantity calculations
- 5 Bin volume subject to revision upon receipt of final data

**Appendix C. Dredged Material Disposal Volumes and Sites for Calendar Year 2001.** Projects conducted dredging in the months indicated. The quantities are in cubic yards (cy). Bin quantity is an estimate of sediment plus water that is deposited at the disposal site). In situ volume is also in cy; it is calculated as the difference between pre-dredge and post-dredge bathymetric surveys, and is a more accurate measure of the quantity of material removed from the dredge site. Disposal site volumes are reported as bin volumes.

Project	Total Bin Volume (cy)	In Situ Volume (cy)	Notes	SF-08	SF-09	SF-10	SF-11	SF-16	SF-DODS	On-site drying ponds	Winter Island	San Rafael Quarry	Port of Oakland Berth 10	Port of Oakland Middle Harbor
Benicia Marina	50,400	27,141			27,141									
Chevron Richmond Long Wharf	26,200	26,976				26,976								
Emery Cove Marina	3,700	pending	1			3,700								
Emery Cove Yacht Harbor Entrance	47,065	47,110				47,110								
Galilee Harbor	500	500				500								
Marin Co. Park District, Black Point Boat Ramp	240	240			240									
Marin Yacht Club	28,350	22,285			22,285									
Marina Vista Homeowners Association	17,275	15,488			15,488									
Martinez Marina	35,000	pending	2, 3							35,000				
Port Of Oakland, Berth 20	2,200	1,376											1,376	
Port Of Oakland, Berth 21	2,800	1,005				1,005								
Port Of Oakland, Berth 22	6,400	3,652				3,652								
Port Of Oakland, Berth 23	15,000	6,084				6,084								
Port Of Oakland, Berth 35	12,800	12,983				12,983								
Port Of Oakland, Berth 37	5,400	6,181				6,181								
Port Of Oakland, Berth 60	8,800	4,712				4,712								
Port Of Oakland, Berth 61	5,200	4,146				4,146								
Port Of Oakland, Berth 62	4,000	5,043				5,043								
Port Of Oakland, Berth 63	5,300	5,382				5,382								
Port Of Oakland, Berths 57 & 58	2,987,505	2,411,177	3											741,130
Port Of San Francisco, Pier 35 E&W	18,000	pending	2			18,000								
Port Of San Francisco, Pier 39	46,415	39,963	3			39,963								

Project	Total Bin Volume (cy)	In Situ Volume (cy)	Notes	SF-08	SF-09	SF-10	SF-11	SF-16	SF-DODS	On-site drying ponds	Winter Island	San Rafael Quarry	Port of Oakland Berth 10	Port of Oakland Middle Harbor
Port Sonoma Marina	30,475	30,475								30,475				
Richmond-San Rafael Bridge, Retrofit	47,127	pending	1				8,400				37,559	1,168		
Sierra Point Marina	192,866	117,750	3				117,750							
Tosco Refinery	57,219	57,234			57,234									
USACE, Larkspur Landing Ferry Channel	644,745	351,389					351,389							
USACE, Main Ship Channel	78,013	9,950	4	78,013										
USACE, Oakland Inner Harbor	223,200	156,311							156,311					
USACE, Oakland Outer Harbor	46,400	19,726							19,726					
USACE, Pinole Shoal Channel	347,949	124,086	4			347,949								
USACE, Redwood City Harbor	495,043	416,877					416,877							
USACE, Richmond Harbor, Long Wharf	54,966	51,302					51,302							
USACE, Richmond Harbor, Southampton Shoal	138,040	16,693	4				138,040							
USACE, Richmond Inner Harbor	465,671	390,642	5						390,642					
USACE, San Leandro Channel (Jack D. Malester Channel)	181,548	181,548								181,548				
USACE, Suisun Bay Channel	130,350	34,483	4					130,350						
Valero Refinery Terminal	38,500	43,984			43,984									
Vallejo Marina	90,658	pending	1		90,658									
Vallejo Yacht Club	41,000	37,412			37,412									
Totals:				78,013	256,429	385,962	1,269,195	130,350	566,679	247,023	37,559	1,168	1,376	741,130

Notes:

- 1 Dredging was not completed in 2001, final volumes pending project completion.
- 2 Post-dredge surveys have not been submitted
- 3 Bin volume includes 2000 and 2001 data
- 4 Suspect post-dredge volume calculation, bin volumes are used in overall quantity calculations
- 5 Bin volume subject to revision upon receipt of final data