Table 4-18
Estimated Areas and Volumes of Hot Spot Locations
Non-Tidal Wetland Area Alternative 5
Investigation Area H1 Feasibility Study
Mare Island, Vallejo, California

Hot Spot Location	Sample Location(s)	Area (ft^2)	Depth of Contamination (ft bgs)	Estimated In Situ Volume (ft^3)	Estimated In Situ Volume (CY)	Estimated Ex Situ Volume* (ft^3)	Estimated Ex Situ Volume* (CY)	Estimated Ex Situ Weight** (Tons)
Northwest Dump Road Wetland								
NDW-1	IR01HA018	2,500	4	10,000	375	11,500	430	645
West Subarea (Pond 1)								
WS-3	IR01GB121	2,500	8	20,000	745	23,000	855	1,285
WS-4	WS-SB01	2,500	2	5,000	190	5,750	215	325
WS-5	IR01-GB120	2,500	5.5	13,750	510	15,813	590	885
Wetland A								
WETA-1	FF-SB06; IR01GB095; IR01HA036; WETASD012	10,450	4	41,800	1,550	48,070	1,785	2,680
WETA-2	WETASD009	2,500	2	5,000	190	5,750	215	325
WETA-3	IR16SS424	2,500	2	5,000	190	5,750	215	325
WETA-4	IR16SS451	2,500	2	5,000	190	5,750	215	325
Wetland B								
WETB-1	IR01HA008, 009, 010, 011, 012, 013, 014, 015, 016; IR02GB016; IR16SS406, 407, 408, 430, 431, 435, 450; WETBSD032, 033, 035, 036, 037, 050, 053	277,150	2	554,300	20,530	637,445	23,610	35,415
Wetland C								
WETC-1	IR01HA059	2,500	2	5,000	190	5,750	215	325
WETC-2	IR01HA004	2,500	2	5,000	190	5,750	215	325
WETC-3	IR01HA003	2,500	2	5,000	190	5,750	215	325
WETC-4	IR01HA002	2,500	2	5,000	190	5,750	215	325
WETC-5	IR01HA001	2,500	2	5,000	190	5,750	215	325
TOTALS:				**684,850**	**25,420**	**787,578**	**29,205**	**43,835**

Notes:

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Estimated Areas and Volumes of Hot Spot Locations
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Hot Spot		Area	Depth of Contamination	Estimated In Situ Volume	Estimated In Situ Volume	Estimated Ex Situ Volume*	Estimated Ex Situ Volume*	Estimated Ex Situ Weight**

* - Ex situ volume assumes +15% to account for expansion and over-excavation of soil/sediment.

** - Assumes 1 CY of soil/sediment = 1.5 tons.

bgs - below ground surface

ft - feet

ft^2 - square feet

ft^3 - cubic feet

CY - cubic yards