Table 3-9b
Ecological Preliminary Remediation Goals
Based on Low Toxicity Reference Value and Hazard Quotient of 1
Non-Tidal Wetland Areas - Soil and Sediment
Investigation Area H1 Feasibility Study
Mare Island, Vallejo, California

Analyte[1]	Salt Mash Harvest Mouse (mg/kg)	Killdeer (mg/kg)	Mallard Breeding (mg/kg)	Mallard NonBreeding (mg/kg)	Great Blue Heron (mg/kg)	PRG[4] (mg/kg)
Inorganics						
Aluminum	228	1376	15597	276075	47119	228
Antimony [2]	0.06	--	--	--	--	0.06
Arsenic	6.0	69.2	682	3785	3036	6.0
Barium[3]	292	58	452	19008	4731	58
Cadmium[3]	0.28	0.95	3.8	5.7	44	0.28
Chromium[3]	327	17	152	8228	287	17
Copper[3]	42	13	107	2613	204	13
Lead [2]	32	0.28	4.9	35.3	0.75	0.28
Manganese[3]	25	66.3	480	15175	24832	25
Mercury[3]	34	0.21	1.8	121	1.8	0.21
Nickel[3]	3.2	12	114	3004	762	3.2
Selenium [2]	6.8	6.0	178	711	0.70	0.70
Tin	12	177	412	437	3753	12
Vanadium[3]	29	254	4795	21143	6292	29
Zinc[3]	78	48	369	14922	320	48
Organics						
Total PCBs [2]	0.43	0.036	0.26	64.6	0.12	0.036
Anthracene	--	--	--	--	--	--
Benzo(a)anthracene	--	--	--	--	--	--
Benzo(a)pyrene[3]	1.8	0.026	0.77	3.1	0.55	0.026
Benzo(b)fluoranthene	--	--	--	--	--	--
Benzo(g,h,i)perylene	--	--	--	--	--	--
Benzo(a)fluoranthene	--	--	--	--	--	--
Chrysene	--	--	--	--	--	--
Fluoranthene	--	--	--	--	--	--
Indeno(1,2,3cd)pyrene	--	--	--	--	--	--
Phenanthrene	--	--	--	--	--	--
Pyrene	--	--	--	--	--	--

Notes:
-- = No TRV available for this chemical
COEC = chemical of ecological concern
HQ = hazard quotient
NA = Not available
TRV = toxicity reference value

1 - Chemicals listed in this table were identified as exhibiting at least one concentration that was considered a data outliers and/or risk drivers identified in the Baseline Ecological Risk Assessment (BERA)

2 - The chemicals identified as risk drivers from the human health risk assessment are denoted as italicized and bold.

3- Chemicals that present potential or significant or immediate risk to Non-Tidal Wetland receptors; however, the 95% UCL concentrations of the chemicals in soil are lower than ambient concentrations.

4 - The chosen PRG is the the lowest concentration of the presented criteria and is presented as a shaded cell.