TABLE 1-5
Target Concentrations vs. Comparators
Focused Feasibility Study Evaluation

Chemical	Inboard/Upland Comparator Value[a] (mg/kg)	Effects Range-Low[b] (mg/kg)	RWQCB Wetland Surface Sediment Guidelines[c]	RART Values	ESTUARINE RECEPTORS										FRESHWATER RECEPTORS				
					Subtidal Marsh					Intertidal Marsh			High Marsh						
					Green Algae (mg/kg in sediment, dry weight)	Bay Shrimp (mg/kg in sediment, dry weight)	Salmonid (mg/kg in sediment, dry weight)	Northern Anchovy (mg/kg in sediment, dry weight)	Double-Crested Cormorant (mg/kg in sediment, dry weight)	Amphipod (mg/kg in sediment, dry weight)	Black Rail (mg/kg in sediment, dry weight)	California Clapper Rail (mg/kg in sediment, dry weight)	Pickleweed (mg/kg[a] in sediment, dry weight)	Salt Marsh Harvest Mouse (mg/kg in sediment, dry weight)	Algae (mg/kg in sediment, dry weight)	Benthic Invertebrate (mg/kg in sediment, dry weight)	Mosquitofish (mg/kg in sediment, dry weight)	Common Snipe (mg/kg in sediment, dry weight)	Great Blue Heron (mg/kg in sediment, dry weight)
METALS																			
Arsenic	1.7E+01 / 1.5E+01	8.2E+00	1.5E+01		1.7E+02	1.7E+02	1.7E+02	5.0E+03	1.0E+04	7.2E+00	4.3E+01	1.3E+02	1.0E+01	1.4E+01	2.1E+02	5.9E+00	2.1E+02	2.7E+02	1.2E+04
Barium	1.9E+02 / 2.2E+02				3.1E+02	5.8E+03	5.8E+03	1.8E+05	4.3E+04	1.4E+00	1.4E+02	4.3E+02	5.0E+02	8.8E+01	1.4E+00	6.7E+01	1.4E+00	1.1E+03	4.9E+04
Beryllium	1.0E+00 / 7.2E-01				no data	no data	1.3E+01	3.9E+02	no data	3.6E-01	no data	no data	1.0E+01	9.9E+02	3.7E-02	3.6E-01	3.7E-02	no data	no data
Boron	3.7E+01 / 3.6E+00				no data	5.0E+01	1.5E+04	1.5E+04	5.9E+03	no data	2.9E+01	8.6E+01	5.0E-01	9.6E+00	no data	1.9E+00	no data	1.6E+02	7.1E+03
Cadmium	1.2E+00 / NA	1.2E+00	3.3E-01	1.2E+00	5.6E+00	5.6E+00	5.6E+00	1.7E+02	8.0E+02	6.8E-01	2.1E+00	6.3E+00	4.0E+00	2.6E+01	4.0E-01	5.8E-01	4.0E-01	4.0E+01	3.1E+01
Chromium	1.1E+02 / 1.1E+02	8.1E+01	1.1E+02	1.1E+02	6.5E+03	6.5E+03	6.5E+03	2.0E+05	1.1E+03	5.2E+01	1.0E+01	3.1E+01	2.5E-02	4.0E+04	1.4E+03	3.6E+01	1.4E+03	2.8E+01	1.3E+03
Cobalt	2.8E+01 / 1.4E+01				7.4E+01	1.8E+03	2.0E+04	6.0E+05	no data	2.0E+01	no data	no data	2.0E+01	1.6E+01	6.6E+02	6.6E+02	6.6E+02	no data	no data
Copper	6.8E+01 / 6.8E+01	3.4E+01	6.8E+01	6.8E+01	7.6E+01	7.6E+01	7.6E+01	2.3E+03	2.8E+03	1.9E+01	5.8E+00	1.8E+01	1.0E+02	4.2E+00	6.7E+01	2.8E+01	6.7E+01	7.5E+01	3.3E+03
Lead	4.3E+01 / 4.3E+01	4.7E+01	4.3E+01	4.3E+01	2.3E+03	2.3E+03	2.3E+03	6.9E+04	3.1E+02	3.0E+01	2.3E+00	6.8E+00	5.0E+01	2.0E+03	2.1E+02	3.5E+01	2.1E+02	8.2E+00	3.6E+02
Manganese	9.4E+02 / 9.4E+02				5.5E+02	7.3E+04	2.0E+04	6.1E+05	1.3E+06	4.6E-01	4.1E+03	1.2E+04	5.0E+02	2.9E+02	1.6E+02	6.3E+02	6.6E+03	3.7E+04	1.7E+06
Mercury	4.3E-01 / 4.3E-01	1.5E-01	4.3E-01	4.3E-01	4.7E+00	4.7E+00	4.7E+00	1.4E+02	1.8E-01	1.3E-01	5.5E-01	1.7E+00	3.0E-01	1.9E+00	1.2E+00	1.7E-01	1.2E+00	6.3E-03	8.1E-02
Molybdenum	4.8E+00 / NA				1.7E+01	1.7E+01	4.9E-02	1.5E+00	4.8E+03	4.8E+00	5.9E+01	1.8E+02	2.0E+00	6.0E+00	1.6E+01	1.6E+01	1.6E+01	1.2E+02	3.4E+03
Nickel	1.1E+02 / 1.1E+02	2.1E+01	1.1E+02		2.5E+02	2.5E+02	2.5E+02	7.6E+03	1.9E+04	1.6E+01	1.5E+02	4.6E+02	3.0E+01	3.8E+01	4.8E+02	1.8E+01	4.8E+02	5.2E+02	2.3E+04
Silver	1.0E+00 / 1.0E+00	1.0E+00	5.8E-01		1.6E-01	1.6E-01	1.6E-01	4.9E+00	2.5E+04	7.3E-01	4.1E+02	1.2E+03	2.0E+00	4.5E+02	8.8E-02	4.5E+00	8.8E-02	6.5E+02	2.3E+04
Thallium	1.0E+00 / NA				1.1E+02	1.1E+02	1.1E+02	3.2E+03	no data	no data	no data	no data	1.0E+00	1.6E+00	6.0E+00	6.0E+00	6.0E+00	no data	no data
Vanadium	1.2E+02 / 3.9E+01				2.3E+04	2.3E+03	4.7E+00	1.4E+02	2.5E+03	2.7E+01	2.3E+01	7.0E+01	2.0E+00	7.8E+01	1.7E+01	1.7E+01	1.7E+01	6.8E+01	3.0E+03
Zinc	1.6E+02 / 1.6E+02	1.5E+02	1.6E+02		3.8E+03	3.8E+03	3.8E+03	1.1E+05	1.4E+04	1.2E+02	4.2E+01	1.3E+02	5.0E+01	4.1E+02	1.7E+03	9.8E+02	1.7E+03	3.7E+02	9.9E+03
PESTICIDES																			
Chlordanes, sum	2.3E-03 / 2.3E-03	5.0E-04	2.3E-03	2.3E-03															
alpha-Chlordane					6.3E-01	6.3E-01	6.3E-01	1.9E+01	1.5E+01	5.0E-04	5.2E-01	1.6E+00	no data	1.9E+02	2.0E-01	4.5E-03	2.0E-01	1.0E+00	8.1E+00
gamma-Chlordane					1.2E-01	1.2E-01	1.2E-01	3.6E+00	2.8E-02	5.0E-04	1.4E-01	4.1E-01	no data	1.9E+02	3.9E-02	4.5E-03	3.9E-02	2.7E-01	3.1E-01
DDTs, sum	7.0E-03 / 7.0E.03	1.6E-03	7.0E-03	8.6E-02															
4,4'-DDD					2.5E+00	2.5E+00	2.5E+00	7.5E+01	1.3E-01	1.2E-03	1.2E-03	3.7E-03	no data	1.3E+02	1.9E-01	3.5E-03	1.9E-01	2.4E-03	4.6E-03
4,4'-DDE					6.1E+01	6.1E+01	6.1E+01	1.8E+03	1.4E-01	2.1E-03	5.0E-04	1.5E-03	no data	1.7E+02	1.4E+03	1.4E-03	1.4E+03	2.9E-03	4.7E-03
4,4'-DDT					2.6E-01	2.6E-01	2.6E-01	7.7E+00	3.9E-02	1.2E-03	6.6E-03	2.0E-02	1.0E+01	1.6E+02	7.7E-02	7.0E-03	7.7E-02	7.2E-03	2.2E-03
Dieldrin	7.2E-04 / 7.2E-04	2.0E-05	7.2E-04		3.6E-02	3.6E-02	3.6E-02	1.1E+00	1.6E-02	2.0E-05	8.5E-03	2.6E-02	1.0E+01	1.4E+00	3.2E-01	2.0E-03	3.2E-01	1.7E-02	1.5E-02
Endrin Aldehyde	2.2E-02 / 2.2E-02				2.1E-02	2.1E-02	2.1E-02	6.4E-01	1.0E-02	5.6E-02	1.8E-04	5.4E-04	no data	3.8E+00	1.0E-01	2.7E-03	1.0E-01	3.5E-04	2.2E-01
Endosulfan Sulfate	2.9E-03 / 2.9E-03				9.5E-03	9.5E-03	9.5E-03	2.9E-01	1.3E+04	2.9E-03	1.8E+02	5.4E+02	no data	4.6E+00	1.8E-02	1.8E-02	1.8E-02	3.0E+02	1.5E+04
TOTAL PETROLEUM HYDROCARBONS																			
TPH - gasoline range	1.2E+01 / 1.2E+01			1.2E+01	4.4E+02	4.4E+02	4.4E+02	1.3E+04	no data	1.2E+01	no data	no data	no data	9.5E+03	1.3E+02	1.2E+01	1.3E+02	no data	no data
TPH - diesel range	1.4E+02 / 1.4E+02			1.4E+02	8.1E+03	8.1E+03	8.1E+03	2.4E+05	3.1E+04	1.4E+02	1.5E+03	4.6E+03	no data	2.8E+04	2.4E+03	1.4E+02	2.4E+03	2.7E+03	6.9E+03
TPH - aviation fuel (JP4)	1.2E+01 / 1.2E+01			1.2E+01	4.4E+02	4.4E+02	4.4E+02	1.3E+04	no data	1.2E+01	no data	no data	no data	9.5E+03	1.3E+02	1.2E+01	1.3E+02	no data	no data
VOLATILE ORGANIC COMPOUNDS																			
Ethylbenzene	4.0E-03 / 4.0E-03				5.2E-01	5.2E-01	5.2E-01	1.6E+01	no data	4.0E-03	no data	no data	no data	9.2E+01	1.6E+01	2.6E-01	1.6E+01	no data	no data
Xylenes (total)	4.0E-02 / 4.0E-02				4.5E+02	3.3E+00	4.0E+01	1.2E+03	2.1E+05	4.0E-02	3.5E+03	1.1E+04	2.5E+01	8.7E+03	4.7E-01	2.5E-02	4.7E-01	5.2E+03	2.6E+02
SEMIVOLATILE ORGANIC COMPOUNDS (Including PAHs)																			
PAHs, total	4.0E+00 / 4.0E+00	4.0E+00	3.4E+00																
2-Methylnaphthalene	7.0E-02 / 7.0E-02		1.9E-02		no data	no data	no data	no data	no data	2.0E-02	no data	no data	no data	2.0E+03	1.6E+01	1.5E-02	1.6E+01	no data	no data
Acenaphthene	2.6E-02 / 2.6E-02	1.6E-02	2.6E-02		6.9E+00	6.9E+00	6.9E+00	2.1E+02	3.6E+03	6.7E-03	2.2E+03	6.7E+03	6.3E-01	3.9E+03	3.6E+00	6.2E-01	3.6E+00	3.8E+03	1.4E+02
Anthracene	8.8E-02 / 8.8E-02	8.5E-02	8.8E-02		no data	no data	no data	no data	no data	4.7E-02	no data	no data	no data	4.9E+04	6.1E-01	1.0E-02	1.5E+01	no data	no data
Benzo(a)anthracene	4.1E-01 / 4.1E-01	2.6E-01	4.1E-01		no data	no data	no data	no data	no data	7.5E-02	no data	no data	no data	1.2E+02	no data	1.6E-02	no data	no data	no data
Benzo(a)pyrene	4.3E-01 / 4.3E-01	4.3E-01	3.7E-01		no data	no data	no data	no data	no data	8.9E-02	no data	no data	1.0E-02	1.5E+02	4.2E-01	3.2E-02	4.2E-01	no data	no data
Benzo(b)fluoranthene	3.7E-01 / 3.7E-01		3.7E-01		no data	no data	no data	no data	no data	1.8E+00	no data	no data	no data	1.5E+02	no data	3.2E-02	no data	no data	no data
Benzo(g,h,i)perylene	3.1E-01 / 3.1E-01		3.1E-01		no data	no data	no data	no data	no data	7.2E-01	no data	no data	no data	1.9E+02	no data	3.2E-02	no data	no data	no data
Chrysene	3.8E-01 / 3.8E-01	3.8E-01	2.9E-01		no data	no data	no data	no data	no data	1.1E-01	no data	no data	no data	1.2E+02	no data	2.7E-02	no data	no data	no data
Dibenz(a,h)anthracene	6.3E-02 / 6.3E-02	6.3E-02	3.3E-02		no data	no data	no data	no data	no data	6.2E-03	no data	no data	no data	1.8E+02	no data	3.2E-02	no data	no data	no data
Dibenzofuran	1.1E-01 / 1.1E-01				4.7E+01	4.2E+01	2.3E+01	6.8E+02	no data	1.1E-01	no data	no data	no data	3.0E+02	1.4E+01	2.0E+00	6.7E+00	no data	no data
Fluoranthene	6.0E-01 / 6.0E-01	6.0E-01	5.1E-01		1.8E+01	1.8E+01	1.8E+01	5.3E+02	no data	1.1E-01	no data	no data	no data	9.6E+03	1.3E+02	3.1E-02	1.3E+02	no data	no data
Fluorene	2.5E-02 / 2.5E-02	1.9E-02	2.5E-02		no data	no data	no data	no data	3.1E+03	1.9E-02	1.5E+03	4.6E+03	no data	3.9E+03	5.0E+00	1.0E-02	5.0E+00	2.7E+03	6.2E+02
Indeno(1,2,3-cd)pyrene	3.8E-01 / 3.8E-01		3.8E-01		no data	no data	no data	no data	no data	6.9E-01	no data	no data	no data	1.7E+02	no data	1.7E-02	no data	no data	no data

TABLE 1-5
Target Concentrations vs. Comparators
Focused Feasibility Study Evaluation

Chemical	Inboard/Upland Comparator Value[a] (mg/kg)	Effects Range-Low[b] (mg/kg)	RWQCB Wetland Surface Sediment Guidelines[c]	RART Values	ESTUARINE RECEPTORS										FRESHWATER RECEPTORS				
					Subtidal Marsh					Intertidal Marsh			High Marsh						
					Green Algae (mg/kg in sediment, dry weight)	Bay Shrimp (mg/kg in sediment, dry weight)	Salmonid (mg/kg in sediment, dry weight)	Northern Anchovy (mg/kg in sediment, dry weight)	Double-Crested Cormorant (mg/kg in sediment, dry weight)	Amphipod (mg/kg in sediment, dry weight)	Black Rail (mg/kg in sediment, dry weight)	California Clapper Rail (mg/kg in sediment, dry weight)	Pickleweed (mg/kg[a] in sediment, dry weight)	Salt Marsh Harvest Mouse (mg/kg in sediment, dry weight)	Algae (mg/kg in sediment, dry weight)	Benthic Invertebrate (mg/kg in sediment, dry weight)	Mosquitofish (mg/kg in sediment, dry weight)	Common Snipe (mg/kg in sediment, dry weight)	Great Blue Heron (mg/kg in sediment, dry weight)
Naphthalene	1.6E-01 / 1.6E-01	1.6E-01	5.6E-02		**4.7E+00**	**4.7E+00**	**4.7E+00**	**1.4E+02**	no data	3.5E-02	no data	no data	**2.5E+00**	**7.9E+02**	**3.7E+00**	1.5E-02	**3.7E+00**	no data	no data
Phenanthrene	2.4E-01 / 2.4E-01	2.4E-01	2.4E-01		no data	no data	no data	no data	no data	8.7E-02	no data	no data	no data	**4.9E+01**	no data	1.9E-02	no data	no data	no data
Pyrene	6.7E-01 / 6.7E-01	6.7E-01	6.7E-01		no data	no data	no data	no data	no data	1.5E-01	no data	no data	no data	**5.8E+03**	no data	4.4E-02	no data	no data	no data

[a] Upland value used for Northwest Runway, only.
[b] Long, E.R., D.D. MacDonald, S.L. Smith, and F.D. Calder, 1995, "Indcidence of Adverse Biological Effects Within Ranges of Chemicals Concentrations in Marin and Estuarine Sediment," *Environmental Management* , 19:81-97.
[c] Ambient values unless noted otherwise.
PAH = polynuclear aromatic hydrocarbons
mg/kg = milligrams per kilogram
TPH = total petroleum hydrocarbon
NA = Not applicable
RWQCB = Regional Water Quality Control Board
RART = Regulatory Agencies and Resource Trustees
DDD = dichlorodiphenyldichloroethane
DDE = dichlorodiphenyldichloroethylene
DDT = dichlorodiphenyltrichloroethane
Concentrations in **BOLD** indicate target concentrations that exceed comparator values.

TABLE 1-6

Summary of FFS Chemicals of Concern

SITES	METALS															PESTICIDES								SVOC[1]	TPH[2]			BTEX[3]		POLYNUCLEAR AROMATIC HYDROCARBONS																
	Arsenic	Barium	Beryllium	Boron	Cadmium	Chromium	Cobalt	Copper	Lead	Manganese	Mercury	Nickel	Silver	Vanadium	Zinc	alpha-Chlordane	**gamma-Chlordane**	DDD[4]	DDE[5]	DDT[6]	**Dieldrin**	Endrin Aldehyde	Endosulfan Sulfate	Dibenzofuran	Gasoline[7]	Diesel[8]	JP4[9]	Ethylbenzene	Xylene	**Total PAHs[10]**	2-Methylnapthalene	Acenapthene	Anthracene	**Benz(a)anthracene**	**Benzo(a)pyrene**	**Benzo(b)fluoranthene**	Benzo(g,h,i)perylene	Chrysene	**Dibenz(a,h)anthracene**	Fluoranthene	Fluorene	**Indeno(1,2,3-cd)pyrene**	Napthalene	Phenanthrene	Pyrene
Former Sewage Treatment Plant																																														
High Marsh																																														
Subtidal																	■				■																									
Intertidal																◆	◆■	◆	◆	◆	■◆		◆																							
Building 20	**No Chemicals of Concern**																																													
Building 26																																														
Intertidal																										◆																				
Building 35/39 Area																																														
Subtidal																				◆																										
Intertidal																		◆	◆	◆																										
Building 41 Area																																														
High Marsh																														◆		◆			e			n					◆		
Subtidal																														◆													◆		
Intertidal																										◆				◆	◆	◆						n		◆	◆		◆	◆	e
Building 82/87/92/94 Area																																														
High Marsh		◆																																												
Intertidal		◆	◆																																											
Freshwater		◆	◆																																											
Building 84/90 Area	**No Chemicals of Concern**																																													
Building 86																																														
High Marsh					◆	◆																								◆				■	■◆	■										
Intertidal			◆		◆	◆			◆																					◆	e	◆	◆	◆	◆	◆		◆		◆				◆	◆
Perimeter Drainage Ditch (PDD)-Unlined																																														
Subtidal																				◆	■																									
Intertidal			◆															◆	◆	◆	◆■																									
Freshwater			◆															◆	◆	◆	◆■																									
Perimeter Drainage Ditch Spoils Pile A																																														
High Marsh															m◆																															
Intertidal			m◆												m◆				m◆	m◆																										
Freshwater			m◆																m◆	m◆																										
Perimeter Drainage Ditch Spoils Pile B																																														
High Marsh								◆			◆				◆																															
Subtidal								◆					m◆																																	
Intertidal					◆			◆			◆		m◆		◆					◆		m◆																								
Freshwater					◆			◆			◆		m◆		◆					◆																										
Perimeter Drainage Ditch Spoils Pile C						**No Chemicals of Concern**																																								
Perimeter Drainage Ditch Spoils Pile D																																														
Intertidal																			m◆	m◆																										
Perimeter Drainage Ditch Spoils Pile E																																														
Intertidal																			◆	◆				m◆						◆		m◆	m◆	m◆	m◆	m◆	m◆	m◆		m◆	m◆	m◆		m◆	m◆

TABLE 1-6

Summary of FFS Chemicals of Concern

SITES	METALS															PESTICIDES								SVOC[1]	TPH[2]			BTEX[3]		POLYNUCLEAR AROMATIC HYDROCARBONS															
	Arsenic	Barium	Beryllium	Boron	Cadmium	Chromium	Cobalt	Copper	Lead	Manganese	Mercury	Nickel	Silver	Vanadium	Zinc	alpha-Chlordane	**gamma-Chlordane**	DDD[4]	DDE[5]	DDT[6]	**Dieldrin**	Endrin Aldehyde	Endosulfan Sulfate	Dibenzofuran	Gasoline[7]	Diesel[8]	JP4[9]	Ethylbenzene	Xylene	**Total PAHs[10]**	2-Methylnapthalene	Acenapthene	Anthracene	**Benz(a)anthracene**	**Benzo(a)pyrene**	**Benzo(b)fluoranthene**	Benzo(g,h,i)perylene	Chrysene	**Dibenz(a,h)anthracene**	Fluoranthene	Fluorene	**Indeno(1,2,3-cd)pyrene**	Napthalene	Phenanthrene	Pyrene
Perimeter Drainage Ditch Spoils Pile F																																													
High Marsh	m◆						m◆		m◆	m◆		m◆			m◆															◆		m◆		m■	m■	m■									
Subtidal	m■									m◆										m◆																									
Intertidal	m◆■		m◆		m◆		m◆		m◆	m◆		m◆			m◆			m◆	m◆	m◆				m◆						◆		m◆	m◆	m◆	m◆	m◆	m◆	m◆		m◆	m◆	m◆		m◆	m◆
Perimeter Drainage Ditch Spoils Pile G																																													
Intertidal																			m◆	m◆																									
Perimeter Drainage Ditch Spoils Pile H **No Chemicals of Concern**																																													
Perimeter Drainage Ditch Spoils Pile I																																													
Intertidal			m◆																◆	◆																									
Perimeter Drainage Ditch Spoils Pile J																																													
Intertidal																		m◆	m◆	m◆																									
Perimeter Drainage Ditch Spoils Pile K																																													
Intertidal																			m◆	m◆																									
Perimeter Drainage Ditch Spoils Pile L																																													
Intertidal		m◆					m◆		m◆						m◆					◆																									
High Marsh							m◆		m◆						m◆																														
Perimeter Drainage Ditch Spoils Pile M																																													
Intertidal																			◆	◆																									
Perimeter Drainage Ditch Spoils Pile N																																													
High Marsh									m◆																																				
Intertidal									m◆										m◆	m◆																									
Freshwater									m◆										m◆	m◆																									
East Levee Generator Pad **No Chemicals of Concern**																																													
Onshore Fuel Line - 54-Inch Drain Line Segment																																													
Intertidal																									◆																				
Onshore Fuel Line - Hangar Segment																																													
High Marsh																														◆				■	■◆	■			■			■			
Intertidal																									◆		◆	◆	◆	◆		◆	e	◆	◆			◆	◆	◆	◆		◆	e	◆
Onshore Fuel Line - Northern Segment																																													
Intertidal																									◆																				
Northwest Runway Area																																													
Intertidal			◆																11	11																									
High Marsh				◆																																									
Tarmac East of Outparcel A-5 **No Chemicals of Concern**																																													
Revetment 1																																													
High Marsh		◆							m◆																					◆					e										
Intertidal		◆			m◆				m◆																					◆	e	◆	◆	e	e			◆	◆	◆	◆			◆	e
Revetment 2																																													
High Marsh									◆																																				
Intertidal					m◆				◆																													◆							
Revetment 3																																													
High Marsh		m◆						m◆		m◆																																			
Subtidal		m◆						m◆		m◆																																			
Intertidal		m◆						m◆		m◆																																			

TABLE 1-6

Summary of FFS Chemicals of Concern

SITES	METALS															PESTICIDES								SVOC[1]	TPH[2]			BTEX[3]		POLYNUCLEAR AROMATIC HYDROCARBONS															
	Arsenic	Barium	Beryllium	Boron	Cadmium	Chromium	Cobalt	Copper	Lead	Manganese	Mercury	Nickel	Silver	Vanadium	Zinc	alpha-Chlordane	**gamma-Chlordane**	DDD[4]	DDE[5]	DDT[6]	**Dieldrin**	Endrin Aldehyde	Endosulfan Sulfate	Dibenzofuran	Gasoline[7]	Diesel[8]	JP4[9]	Ethylbenzene	Xylene	**Total PAHs[10]**	2-Methylnapthalene	Acenapthene	Anthracene	**Benz(a)anthracene**	**Benzo(a)pyrene**	**Benzo(b)fluoranthene**	Benzo(g,h,i)perylene	Chrysene	**Dibenz(a,h)anthracene**	Fluoranthene	Fluorene	**Indeno(1,2,3-cd)pyrene**	Napthalene	Phenanthrene	Pyrene
Revetment 4																																													
High Marsh									◆																																				
Intertidal					◆				◆																						◆									◆			◆	
Subtidal																																													
Revetment 6																																													
Intertidal																									◆						◆	◆								m◆				
Revetment 7																																													
Intertidal									m◆																				◆	◆	◆	◆	m◆	m◆			m◆	m◆	m◆	◆		me	◆	m◆
High Marsh									m◆																				◆					m◆										
Revetment 8	**No Chemicals of Concern**																																												
Revetment 9	**No Chemicals of Concern**																																												
Revetment 10	**No Chemicals of Concern**																																												
Revetment 11																																													
High Marsh								◆																																					
Intertidal								◆																																					
Revetment 12																																													
High Marsh								◆																																					
Subtidal								◆																																					
Intertidal								◆																																					
Revetment 13																																													
High Marsh									◆																				◆					m■e										
Intertidal					◆				◆																				◆		◆	e	m◆e	m◆			m◆	m◆	m◆	◆			m◆	m◆
Revetment 14																																													
High Marsh																																													
Subtidal																																													
Intertidal																										m◆																			
Revetment 15																																													
Intertidal					◆				◆																																				
Revetment 16																																													
High Marsh		m◆																																											
Subtidal		m◆																																											
Intertidal		m◆																																											
Revetment 17	**No Chemicals of Concern**																																												
Revetment 19																																													
High Marsh		◆						◆																						◆				■◆								mn		
Subtidal		◆																							◆																			
Intertidal		◆			m◆			◆	◆																◆	◆				◆	◆	◆	◆	◆			◆	◆	◆	◆		mn	◆	◆
Revetment 20																																													
Intertidal					m◆																																						m◆	m◆
Revetment 21																																													
High Marsh								m◆						m◆																															
Intertidal								m◆						m◆											m◆	m◆					m◆										m◆				
Revetment 22																																													
Intertidal																									m◆	m◆					m◆	m◆								m◆				

TABLE 1-6

Summary of FFS Chemicals of Concern

SITES	METALS															PESTICIDES								SVOC[1]	TPH[2]			BTEX[3]		POLYNUCLEAR AROMATIC HYDROCARBONS															
	Arsenic	Barium	Beryllium	Boron	Cadmium	Chromium	Cobalt	Copper	Lead	Manganese	Mercury	Nickel	Silver	Vanadium	Zinc	alpha-Chlordane	**gamma-Chlordane**	DDD[4]	DDE[5]	DDT[6]	**Dieldrin**	Endrin Aldehyde	Endosulfan Sulfate	Dibenzofuran	Gasoline[7]	Diesel[8]	JP4[9]	Ethylbenzene	Xylene	**Total PAHs[10]**	2-Methylnapthalene	Acenapthene	Anthracene	**Benz(a)anthracene**	**Benzo(a)pyrene**	**Benzo(b)fluoranthene**	Benzo(g,h,i)perylene	Chrysene	**Dibenz(a,h)anthracene**	Fluoranthene	Fluorene	**Indeno(1,2,3-cd)pyrene**	Napthalene	Phenanthrene	Pyrene
Revetment 23																																													
High Marsh								◆																																					
Intertidal								◆																																					
Revetment 24	**No Chemicals of Concern**																																												
Revetment 25																																													
High Marsh		m◆																																											
Intertidal		m◆																								m◆																			
Revetment 26																																													
High Marsh		m◆		m◆						m◆																																			
Subtidal		m◆		m◆						m◆																																			
Intertidal		m◆								m◆															m◆	m◆																			
Revetment 27	**No Chemicals of Concern**																																												

[1] Semivolatile organic compounds.
[2] Total petroleum hydrocarbons.
[3] Benzene, toluene, ethylbenzene and xylenes.
[4] 4,4'-dichlorodiphenyldichloroethane.
[5] 4,4'-dichlorodiphenyldichloroethene.
[6] 4,4'-dichlorodiphenyltrichloroethane.
[7] Analytes within the gasoline range of total petroleum hydrocarbons.
[8] Analytes within the diesel range of total petroleum hydrocarbons.
[9] Analytes within the JP-4 range of total petroleum hydrocarbons.
[10] Polynuclear aromatic hydrocarbons.
[11] Pesticide is related to non-Comprehensive Environmental Response, Compensation, and Liability Act release and is not a constituent of concern.

Notes:
- ◆ Denotes site and constituent with ecological receptor(s) having one or more Hazard Quotient > 1.0 and exceeds comparator value (upper confidence limit value used unless otherwise specified).
- ■ Denotes site and constituent with human health carcinogenic risk > 1.0 E -06.
- □ Denotes site and constituent with human health noncarcinogenic Hazard Quotient > 1.0.
- e Denotes PAHs that are included in the calculation of the Total PAHs for the site, did not exceed the comparator value (using the site statistical concentration [95% upper confidence level or maximum value]), and exceeded the hazard quotient of 1.0 in the Human Health and Ecological Risk Assessment (IT, 2000).
- m Denotes maximum value used for the statistical concentration to compare to target concentrations and comparators.
- n Denotes PAHs that are included in the calculation of the Total PAHs for the site, did not exceed the comparator value (using the site statistical concentration [95% upper confidence level or maximum value]), and **did not** exceed the hazard quotient of 1.0 in the Human Health and Ecological Risk Assessment (IT, 2000)

TABLE 1-7
No Further Action Sites – No COCs

Building 20
Building 84/90 Area
PDD Spoils Pile C
PDD Spoils Pile H
East Levee Generator Pad
Tarmac East of Outparcel A-5
Revetment 8
Revetment 9
Revetment 10
Revetment 17
Revetment 24
Revetment 27

TABLE 1-8
Inboard Area Sites Requiring Further Action

Sites	Sites
FSTP	Revetment 7
Building 26	Revetment 11
Building 35/39 Area	Revetment 12
Building 41 Area	Revetment 13
Building 82/87/92/94 Area	Revetment 14
Building 86	Revetment 15
PDD	Revetment 16
Spoils Pile A	Revetment 19
Spoils Pile B	Revetment 20
Spoils Pile D	Revetment 21
Spoils Pile E	
Spoils Pile F	Revetment 22
Spoils Pile G	Revetment 23
Spoils Pile J	Revetment 25
Spoils Pile K	Revetment 26
Spoils Pile L	
Spoils Pile M	
Spoils Pile N	
ONSFL – 54” line	
ONSFL – Hangar Segment	
ONSFL – Northern Segment	
Northwest Runway Area	
Revetment 1	
Revetment 2	
Revetment 3	
Revetment 4	
Revetment 6	