

Figure U-36
 Terrestrial Plant Risk Summary
 Based on Spatial Exposure Point Concentrations

Study Area	Terrestrial Plants												
	SWP	SW	ADB	BTA	CDA	FPP	LQT	MSA	ROS	RCRA	RWA	WCS	BKG
CPEC													
Inorganics													
Barium	4	4	<1	<1	<1	<1	<1	<1	4	13		<1	<1
Cadmium	<1	<1	<1	<1	<1	<1	<1	<1	<1	<1		<1	<1
Chromium	120	124	27	74	32	50	35	111	85	157		227	47
Cobalt	<1	<1	<1	<1	<1	<1	<1	<1	<1	<1		<1	2
Copper	2	2	<1	<1	<1	<1	<1	<1	<1	2		3	<1
Total Cyanide													
Lead	<1	<1	<1	<1	<1	<1	<1	3	<1	<1		<1	<1
Manganese	2	2	2	<1	<1	2	<1	<1	2	2		4	2
Mercury	<1	<1	<1	<1	<1	<1	<1	<1	<1	<1		<1	<1
Molybdenum	2	2	2	2	3	2	2	<1	2	<1		2	5
Nickel	2	2	<1	<1	<1	<1	<1	<1	2	2		2	<1
Selenium	<1	<1	<1	2	<1	<1	2	<1	<1	<1		<1	3
Vanadium	16	17	17	18	15	14	22	13	18	17		16	41
Zinc	3	3	<1	<1	<1	<1	<1	2	2	5		3	2
Herbicides													
MCPA													
MCPP													
Polychlorinated Biphenyls (PCBs)													
Aroclor 1260	<1	<1	<1	<1	<1	<1	<1	<1	<1	<1		<1	
Sum of PCB Congeners	<1	<1	<1	<1	<1	<1	<1	<1	<1	<1		<1	
Pesticides													
4,4'-DDE	<1	<1	<1	<1	<1	<1	<1	<1	<1	<1		<1	
4,4'-DDT	<1	<1	<1	<1	<1	<1	2	<1	<1	<1		<1	
Total DDT	<1	<1	<1	<1	<1	<1	2	<1	<1	<1		<1	
Semi-Volatile Organic Compounds (SVOCs)													
Bis(2-ethylhexyl)phthalate	<1	<1	<1	<1	<1	<1	<1	<1	<1	<1		<1	
Volatile Organic Compounds (VOCs)													
Tetrachloroethylene	<1	<1	<1	<1	<1	<1	<1	<1	<1	<1		<1	
Trichloroethylene													

Notes:

Not evaluated
HQ ≤ 1
HQ > 1
HQ > 10
HQ > 100

CPEC = Constituent of Potential Ecological Concern
 HQ = Hazard Quotient
 LMW PAH = Low Molecular Weight Polycyclic Aromatic Hydrocarbon
 HMW PAH = High Molecular Weight Polycyclic Aromatic Hydrocarbon
 NOAEL = No Observed Adverse Effect Level
 LOAEL = Lowest Observed Effect Level
 TRV = Toxicity Reference Value
 NOAEL and LOAEL TRVs are not available for ecological communities.
 HQs presented for these receptors are based on a single TV
 (with the exception of sediment invertebrates). Low and high
 TVs are available in the literature for sediment invertebrates and
 were used for risk estimation.

Study Areas:

SW = Sitewide
 SWP = Sitewide Including Ponds (Ponds 18 and A-5)
 ADB = Administration Building Area
 BTA = Burial Trench Area
 CDA = Central Drainage Area
 FPP = Former Ponds and Pads
 LQT = Liquid Treatment Area
 MSA = Maintenance Shed Area
 ROS = Remaining On-site Areas
 RCRA = RCRA Canyon
 RWA = Roadway Areas
 WCS = West Canyon Spray Area
 ASP = A-Series Pond
 P13 = Pond 13
 P18 = Pond 18
 PA5 = Pond A-5
 RCF = RCF Pond
 STW = Stormwater Ponds (Pond 13, A-Series Pond, and RCF Pond)
 NDR = North Drainage
 ADR = A Drainage
 BDR = B Drainage
 UCD = Upper C Drainage
 LCD = Lower C Drainage
 BKG = Background