

Figure U-42
 Western Meadowlark (Herbivore) Risk Summary
 Based on Spatial Exposure Point Concentrations

Study Area	Western Meadowlark ¹																									
	SW	SW	SWP	SWP	ADB	ADB	BTA	BTA	CDA	CDA	FPP	FPP	LQT	LQT	MSA	MSA	ROS	ROS	RCRA	RCRA	RWA	RWA	WCS	WCS	BKG	BKG
CPEC	Low HQ	High HQ	Low HQ	High HQ	Low HQ	High HQ	Low HQ	High HQ	Low HQ	High HQ	Low HQ	High HQ	Low HQ	High HQ	Low HQ	High HQ	Low HQ	High HQ	Low HQ	High HQ	Low HQ	High HQ	Low HQ	High HQ	Low HQ	High HQ
Inorganics																										
Barium	4	9	4	9	<1	<1	<1	<1	2	3	2	4	<1	<1	1	2	4	8	18	36	<1	<1	3	5	<1	<1
Cadmium	<1	<1	<1	<1	<1	<1	<1	<1	<1	<1	<1	<1	<1	<1	<1	<1	<1	<1	<1	<1	<1	<1	<1	<1	<1	<1
Chromium	2	2	2	2	<1	<1	<1	<1	<1	<1	<1	<1	<1	<1	2	2	1	1	4	4	<1	<1	9	9	1	1
Cobalt	<1	<1	<1	<1	<1	<1	<1	<1	<1	<1	<1	<1	<1	<1	<1	<1	<1	<1	<1	<1	<1	<1	<1	<1	<1	<1
Copper	<1	2	<1	2	<1	<1	<1	<1	<1	<1	<1	<1	<1	1	<1	2	<1	1	<1	3	<1	<1	2	5	<1	<1
Total Cyanide	<1	8	<1	8	<1	<1	<1	<1	<1	<1	<1	<1	8	<1	<1	<1	<1	<1	<1	<1	<1	<1	<1	<1	<1	<1
Lead	<1	<1	<1	<1	<1	<1	<1	<1	<1	<1	<1	<1	<1	6	11	<1	<1	<1	<1	1	<1	<1	<1	<1	<1	<1
Manganese	<1	<1	<1	<1	<1	<1	<1	<1	<1	<1	<1	<1	<1	<1	<1	<1	<1	<1	<1	<1	<1	<1	<1	<1	<1	<1
Mercury	<1	<1	<1	<1	<1	<1	<1	<1	<1	<1	<1	<1	<1	<1	1	<1	<1	<1	<1	<1	<1	<1	<1	<1	<1	<1
Molybdenum	<1	1	<1	1	<1	3	<1	2	<1	2	<1	2	<1	2	<1	1	<1	2	<1	1	<1	<1	2	2	<1	4
Nickel	<1	<1	<1	<1	<1	<1	<1	<1	<1	<1	<1	<1	<1	<1	<1	<1	<1	<1	<1	<1	<1	<1	<1	<1	<1	<1
Selenium	<1	1	<1	1	<1	1	<1	2	<1	1	<1	1	<1	2	<1	<1	<1	1	<1	2	<1	<1	1	1	<1	3
Vanadium	2	3	2	3	2	4	2	4	1	3	1	3	1	3	1	3	2	4	2	3	<1	<1	2	3	4	8
Zinc	<1	2	<1	2	<1	<1	<1	1	<1	1	<1	1	<1	1	<1	2	<1	1	<1	4	<1	<1	<1	2	<1	1
PCDD/PCDFs (Dioxins)																										
Total Avian Dioxin TEQ	<1	<1	<1	<1	<1	<1	<1	<1	<1	<1	<1	<1	<1	<1	<1	<1	<1	<1	<1	<1	<1	<1	<1	<1	<1	<1
Total Avian TEQ	<1	<1	<1	<1	<1	<1	<1	<1	<1	2	<1	<1	<1	<1	<1	<1	<1	<1	<1	<1	<1	<1	<1	<1	<1	<1
Herbicides																										
MCPA	<1	<1	<1	<1	<1	<1	<1	<1	<1	<1	<1	<1	<1	<1	<1	<1	<1	<1	<1	<1	<1	<1	<1	<1	<1	<1
MCPP	<1	<1	<1	<1	<1	<1	<1	<1	<1	1	<1	<1	4	40	<1	<1	<1	<1	<1	<1	<1	<1	<1	<1	<1	<1
PCBs																										
Aroclor 1260	<1	<1	<1	<1	<1	<1	<1	<1	<1	<1	<1	<1	<1	<1	<1	<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	<1	<1	<1	<1	<1	<1	<1	<1	<1	<1	<1	<1	<1	<1	<1
Total Avian PCB TEQ	<1	<1	<1	<1	<1	<1	<1	<1	<1	2	<1	<1	<1	<1	<1	<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	<1	<1	<1	<1	<1	<1	<1	<1	<1	<1	<1	<1	<1	<1	<1
4,4'-DDT	<1	<1	<1	<1	<1	<1	<1	<1	<1	<1	<1	<1	<1	<1	<1	<1	<1	<1	<1	<1	<1	<1	<1	<1	<1	<1
Total DDT	<1	<1	<1	<1	<1	<1	<1	<1	<1	<1	<1	<1	<1	<1	<1	<1	<1	<1	<1	<1	<1	<1	<1	<1	<1	<1
Semi-Volatile Organic Compounds (SVOCs)																										
Bis(2-ethylhexyl)phthalate	<1	<1	<1	<1	<1	<1	<1	<1	<1	<1	<1	<1	<1	<1	<1	<1	<1	<1	<1	<1	<1	<1	<1	<1	<1	<1
Volatile Organic Compounds (VOCs)																										
Tetrachloroethylene																										
Trichloroethylene																										

Notes:

- Not evaluated
- Low or High HQ < 1
- High HQ ≥ 1
- Low HQ ≥ 1
- Low HQ > 10
- CPEC = Constituent of Potential Ecological Concern
- HQ = Hazard Quotient
- LMW PAH = Low Molecular Weight Polycyclic Aromatic Hydrocarbons
- HMW PAH = High Molecular Weight Polycyclic Aromatic Hydrocarbons
- NOAEL = No Observed Adverse Effect Level
- LOAEL = Lowest Observed Effect Level
- TRV = Toxicity Reference Value
- Low HQ is based on LOAEL TRV; High HQ is based on NOAEL TRV.
- ¹ Diet assumed to be 100% vegetation.

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