Plumas County Cleanup Goals
Q (with Greenville Zone X removed)

Metal	Background [a]	Hazardous Waste TTLC Limit [b]	DTSC HERO [c]	US EPA RSL [d]	CalEPA CHHSL [e]	Cleanup Goal [f]	Source of Goal
Antimony	1.4	499	--	31	NA	**31**	RSL
Arsenic	34	49	0.11	0.68	NA	**34**	**Background**
Barium	380	9,999	--	15,000	NA	**9,999**	TTLC
Beryllium	0.91	74	16	160	NA	**16**	DTSC-SL
Cadmium	0.78	99	71	7.1	NA	**7.1**	RSL
Chromium [g]	78	2,499	--	120,000	NA	**2,499**	TTLC
Cobalt	31	7,999	--	23	NA	**31**	**Background**
Copper	110	2,499	--	3,100	NA	**2,499**	TTLC
Lead	61	999	80	400	NA	**80**	DTSC-SL
Mercury [h]	0.63	19	1.0	11	NA	**1.0**	DTSC-SL
Molybdenum	1.1	3,499	--	390	NA	**390**	RSL
Nickel	100	1,999	820	1,500	NA	**820**	DTSC-SL
Selenium	2.5	99	--	390	NA	**99**	TTLC
Silver	0.68	499	--	390	NA	**390**	RSL
Thallium [i]	ND	699	--	0.78	5.0	**5.0**	CHHSL
Vanadium	110	2,399	--	390	NA	**390**	RSL
Zinc	190	4,999	--	23,000	NA	**4,999**	TTLC

Notes:

All results presented in milligrams per kilogram (mg/kg)

-- None listed

NA Not applicable

ND Not detected

a Background levels calculated based on 95th upper tolerance level with 95 percent coverage of data, except as note4d. Three samples were removed from the data set because there were multiple elevated metals potentially indicating the sample locations were not representative of background conditions. The six samples removed from the data set are: BKG-039A, BKG-039B, and BKG-039C.

b Total Threshold Limit Concentration (TTLC), California Code of Regulations, Title 22, Chapter 11, Article 3. TTLCs are "less than" limits, so each TTLC screen was set at 1 mg/kg below the limit.

c California Department of Toxic Substances Control (DTSC), Office of Human Health and Ecological Risk (HERO) Human Health Risk Assessment

(HHRA) Note Number: 3, DTSC-modified Screening Levels (DTSC-SL). June 2020.

d U.S. Environmental Protection Agency, Risk-Based Screening Levels (RSL), November 2020. Values based on a target cancer risk of 1 in 1 million (1E-06) and a target hazard quotient of 1.

e California Environmental Protection Agency, Revised California Human Health Screening Levels (CHHSL)

f The cleanup goal is the lower of the TTLC, RSL and HERO DTSC-SL, unless the background concentation is higher than the screening levels. If the background concentration is higher than the screening levels, the background concentration is selected as the cleanup goal.

g The values for chromium are based on chromium III

h The HERO DTSC-SL value for mercury assumes mercury in the elemental form. The RSL for elemental mercury is shown.

i The CHHSL of 5.0 mg/kg was selected as the cleanup goal for thallium because the practical quantitation limit of thallium is often greater than the risk-based screening levels.