Table H1
Initial Data Screening - Human Health
Sunchief Millsite, Tonto National Forest

Chemical of Interest	Minimum Concentration Dectected (mg/kg)	Maximum Concentration Detected (mg/kg)	Location of Maximum	Detection Frequency	Max. Bkgd or UCL_{95} Bkgrd[1]	Arizona nRSL (mg/kg)	Retained for Further Evaluation
Soil							
Cyanide	<0.2	<0.2	Not applicable	0/56	NA	NE	No
Aluminum	4,800	25,000	SM-A5-DP-5-15	69/69	14,000	920,000	No
Antimony	<0.5	13	SM-A5-DP-7-3	1/69	ND	410	No
Arsenic	**2.6**	**20**	**SM-A3-S-4**	**69/69**	**5.62**	**10**	**Yes**
Barium	39	1,900	SM-A5-DP-7-3	69/69	112	170,000	No
Beryllium	<0.50	0.98	SM-A5-DP-7-3	10/69	ND	1,900	No
Cadmium	<0.5	20	SM-A5-DP-8-0	17/69	0.53	510	No
Chromium	7.8	31	SM-A5-S-1	69/69	18.8	65	No
Copper	7.9	3,700	SM-A1-S-1	69/69	223	41,000	No
Lead	3.7	740	SM-A5-S-2	69/69	13.7	800	No
Magnesium[2]	1,900	13,000	SM-A2-S-9	69/69	5,900	NE	No
Manganese	170	1,200	SM-A1-S-1	69/69	413	32,000	No
Mercury	<0.1	2	SM-A5-DP-7-3	15/69	1	310	No
Nickel	6.7	24	SM-A5-S-1	69/69	9.5	20,000	No
Uranium	<0.5	2.2	SM-A5-S-2	20/69	6.3	200	No
Vanadium	13	79	SM-A5-DP-1-6	69/69	63	1,000	No
Zinc	22	4,600	SM-A5-DP-8-0	69/69	62	310,000	No
Sediment							
Aluminum	3,600	5,500	SM-A2-SED-13	4/4	14,000	920,000	No
Antimony	<5.0	<5.0	Not applicable	0/4	ND	410	No
Arsenic	<1.0	4.4	SED-9	22/23	5.62	10	No
Barium	27	120	SED-9	23/23	112	170,000	No
Beryllium	<5.0	<5.0	Not applicable	0/4	ND	1,900	No
Cadmium	<0.30	<0.5	Not applicable	0/23	0.53	510	No
Chromium	7.2	41	SED-2 SED-12	23/23	18.8	65	No
Copper	9	260	SED-5	23/23	223	41,000	No
Lead	4.5	64	SED-12	23/23	13.7	800	No
Magnesium[2]	1,600	2,400	SM-A2-SED-13 SM-A7-SED-2	4/4	5,900	NE	No
Manganese	120	500	SM-SED-2	23/23	413	32,000	No
Mercury	<0.05	<0.1	Not applicable	0/23	1	310	No
Nickel	5.7	7.6	SM-A2-SED-12	4/4	9.5	20,000	No
Uranium	<0.50	0.91	SM-A2-SED-12	3/23	6.3	200	No
Vanadium	48	76	SM-A2-SED-12	4/4	63	1,000	No
Zinc	18	64	SED-12	23/23	62	310000	No
Ore Material/Tailings							
Cyanide	<2.0	<2.0	Not applicable	0/4	NA	NE	No
Aluminum	4,400	12,000	SM-A4-WS-5	20/20	14,000	920,000	No
Antimony	<5.0	14	SM-A2-WS-1	4/20	ND	410	No
Arsenic	**2.1**	**73**	**SM-A2-WS-11**	**31/31**	**5.62**	**10**	**Yes**
Barium	60	880	SM-A2-WS-1	31/31	112	170,000	No
Beryllium	<0.5	1.8	SM-A2-WS-3 SM-A2-WS-4	8/20	ND	1,900	No
Cadmium	<0.30	12	SM-A1-WS-9	24/31	0.53	510	No
Chromium	**4.1**	**84**	**SM-A1-S-3**	**31/31**	**18.8**	**65**	**Yes**
Copper	**41**	**58,000**	**SM-A1-WS-9**	**31/31**	**223**	**41,000**	**Yes**
Lead	**7.1**	**1,800**	**SM-A1-S-3** **SM-A1-WS-9**	**31/31**	**13.7**	**800**	**Yes**
Magnesium[2]	1,600	18,000	SM-A2-WS-4	20/20	5,900	NE	No
Manganese	240	14,000	SM-A1-WS-9	31/31	413	32,000	No
Mercury	<0.1	1.6	SM-A4-WS-1	19/31	1	310	No
Nickel	4.9	22	SM-A2-WS-3 SM-A2-WS-4	20/20	9.5	20,000	No
Uranium	<0.5	8.3	SM-A2-WS-11	17/31	6.3	200	No
Vanadium	12	280	SM-A1-S-3	20/20	63	1,000	No
Zinc	39	2,500	SM-A2-WS-4	31/31	62	310,000	No

[1] The 95% upper confidence limit (UCL_{95}) of the mean was calculated for background soil, and sediment. Waste rock and tailings are being compared to the UCL_{95} for soils.

[2] Magnesium is considered an essential nutrient and therefore not retained for further evaluation.

Indicates contaminant reviewed further.

Table H2 Initial Screening Plants and Soil Invertebrates
Sunchief Mill Site, Tonto National Forest

Chemical of Interest	EPA Eco SSL Plant (mg/kg)	Frequency of HQs >1.0	Range of HQs >1.0	Mean or UCL[95] Bkgrd[1] > Eco SSL?	Frequency > Background and HQs >1.0	Range of HQs >1.0	EPA Eco SSL Invertebrates (mg/kg)	Frequency of HQs >1.0	Range of HQs >1.0	Mean or UCL[95] Bkgrd[1] > Eco SSL?	Frequency of HQs >1.0	Range of HQs >1.0	Mean Bkgd or UCL95 Bkgrd1 (mg/kg)	Retained for Further Evaluation
Soil				**Background**			**Soil**			**Background**				
Cyanide	NE	0/56	--	No	NC	NC	NE	0/56	--	No	NE	NE	ND	No
Aluminum	NE	NC	NC	No	NC	NC	NE	NC	NC	No	NC	NC	14,000	No
Antimony	NE	NC	NC	No	NC	NC	78	0/69	--	No	NC	NC	ND	No
Arsenic	**18**	**3/69**	**1 - 1.1**	**No**	**NC**	**NC**	NE	NC	NC	No	NC	NC	5.62	**Yes**
Barium	NE	NC	NC	No	NC	NC	**330**	**4/69**	**1 - 5.75**	No	NC	NC	112	**Yes**
Beryllium	NE	NC	NC	No	NC	NC	40	0/69	NC	No	NC	NC	ND	No
Cadmium	32	0/69	--	No	NC	NC	140	0/69	--	No	NC	NC	0.53	No
Chromium[2]	NE	NC	NC	No	NC	NC	NE	NC	NC	No	NC	NC	18.8	No
Copper	**70**	**25/69**	**1.1 - 53**	**Yes**	**11/69**	**3.3 - 53**	**80**	**20/69**	**2.9 - 46.2**	**Yes**	**11/69**	**2.9 - 46.2**	223	**Yes**
Lead	**120**	**9/69**	**1.1 - 15.8**	**No**	**NC**	**NC**	**1,700**	**1/69**	**1.1**	No	NC	NC	13.7	**Yes**
Magnesium	NE	NC	NC	No	NC	NC	NE	NC	NC	No	NC	NC	5,900	No
Manganese	**220**	**63/69**	**1.1 - 5.4**	**Yes**	**20/69**	**2 - 5.4**	**450**	**19/69**	**1 - 2.6**	No	NC	NC	413	**Yes**
Mercury[3]	NE	NC	NC	No	NC	NC	**0.1**	**15/69**	**1 - 90**	**Yes**	**4/69**	**12 - 90**	1	**Yes**
Nickel	38	0/69	--	No	NC	NC	280	0/69	--	No	NC	NC	9.5	No
Uranium[4]	NE	NC	NC	No	NC	NC	NE	NC	NC	No	NC	NC	6.3	No
Vanadium	NE	NC	NC	No	NC	NC	NE	NC	NC	No	NC	NC	63	No
Zinc	**160**	**11/69**	**1.1 - 28.7**	**No**	**NC**	**NC**	**120**	**10/69**	**1.5 - 38**	**No**	**NC**	**NC**	62	**Yes**
Sediment				**Background**			**Sediment**			**Background**				
Aluminum	NE	NC	NC	No	NC	NC	NE	NC	NC	No	NC	NC	14,000	No
Antimony	NE	NC	NC	No	NC	NC	78	0/4	--	No	NC	NC	ND	No
Arsenic	18	0/23	--	No	NC	NC	NE	NC	NC	No	NC	NC	5.62	No
Barium	NE	NC	NC	No	NC	NC	330	0/23	--	No	NC	NC	112	No
Beryllium	NE	NC	NC	No	NC	NC	40	0/4	--	No	NC	NC	ND	No
Cadmium	32	0/23	--	No	NC	NC	140	0/23	--	No	NC	NC	0.53	No
Chromium[2]	NE	NC	NC	No	NC	NC	NE	NC	NC	No	NC	NC	18.8	No
Copper	**70**	**5/23**	**1.4 - 3.7**	**Yes**	**1/23**	**3.7**	**80**	**5/23**	**1.2 - 3.2**	**Yes**	**1/23**	**3.2**	223	**Yes**
Lead	120	0/23	--	No	NC	NC	1,700	0/23	--	No	NC	NC	13.7	No
Magnesium	NE	NC	NC	No	NC	NC	NE	NC	NC	No	NC	NC	5,900	No
Manganese	**220**	**15/23**	**1 -2.3**	**Yes**	**1/23**	**2.3**	450	1/23	1	No	NC	NC	413	**Yes**
Mercury[3]	NE	NC	NC	No	NC	NC	0.1	0/4	--	Yes	0/4	--	1	No
Nickel	38	0/4	--	No	NC	NC	280	0/4	--	No	NC	NC	9.5	No
Uranium[4]	NE	NC	NC	No	NC	NC	NE	NC	NC	No	NC	NC	6.3	No
Vanadium	NE	NC	NC	No	NC	NC	NE	NC	NC	No	NC	NC	63	No
Zinc	160	0/23	--	No	NC	NC	120	0/23	--	No	NC	NC	62	**Yes**

[1] The 95% upper confidence limit (UCL_{95}) of the mean was calculated for background soil, and sediment. Waste rock and tailings are being compared to the UCL_{95} for soils.

[2] Ecological Soil Screening Level (Eco-SSL) value represents trivalent chromium.

[3] Mercury benchmark is based on EPA Region 5, RCRA Ecological Screening Levels (August 2003)

[4] Uranium benchmark is based on United States Department of Energy *Preliminary Remediation Goals for Ecological Endpoints*, ES/ER/TM-162/R2 (Efroymsom et al, August 1997)

HQ = Hazard quotient (HQ = exposure concentration/benchmark concentration); if the HQ > 1.0, risk of adverse effects in exposed organisms may be of concern, with the probability of risk increasing as the HQ value increases.

NA = Not analyzed

NC = Not calculated

NE = None established

-- = All HQs are < 1.0

Indicates contaminant will be further reviewed for that species group.

Table H2 Initial Screening Plants and Soil Invertebrates
Sunchief Mill Site, Tonto National Forest

Chemical of Interest	EPA Eco SSL Plant (mg/kg)	Frequency of HQs >1.0	Range of HQs >1.0	Mean or UCL^{95} Bkgrd[1] > Eco SSL?	Frequency > Background and HQs >1.0	Range of HQs >1.0	EPA Eco SSL Invertebrates (mg/kg)	Frequency of HQs >1.0	Range of HQs >1.0	Mean or UCL^{95} Bkgrd[1] > Eco SSL?	Frequency of HQs >1.0	Range of HQs >1.0	Mean Bkgd or UCL95 Bkgrd1 (mg/kg)	Retained for Further Evaluation
Waste Rock and Tailings				**Background**			**Waste Rock and Tailings**			**Background**				
Cyanide	NE	0/4	--	No	NC	NC	NE	0/4	--	No	NC	NC	NE	No
Aluminum	NE	NC	NC	No	NC	NC	NE	NC	NC	No	NC	NC	14,000	No
Antimony	NE	NC	NC	No	NC	NC	78	0/20	--	No	NC	NC	ND	No
Arsenic	**18**	**10/31**	**1 - 4**	No	NC	NC	NE	NC	NC	No	NC	NC	5.62	**Yes**
Barium	NE	NC	NC	No	NC	NC	**330**	**3/31**	**1.2 - 2.7**	**No**	**NC**	**NC**	112	**Yes**
Beryllium	NE	NC	NC	No	NC	NC	40	0/20	--	No	NC	NC	ND	No
Cadmium	32	0/31	--	No	NC	NC	140	0/31	--	No	NC	NC	0.53	No
Chromium[2]	NE	NC	NC	No	NC	NC	NE	NC	NC	No	NC	NC	18.8	No
Copper	**70**	**25/31**	**1.1 - 828**	**Yes**	**11/31**	**4.1 - 828**	**80**	**24/31**	**1 - 725**	**Yes**	**11/31**	**3.6 - 725**	223	**Yes**
Lead	**120**	**15/31**	**1 - 15**	**No**	**NC**	**NC**	**1,700**	**2/31**	**1.1**	No	NC	NC	13.7	**Yes**
Magnesium	NE	NC	NC	No	NC	NC	NE	NC	NC	No	NC	NC	5,900	No
Manganese	**220**	**30/31**	**1.1 - 64**	**Yes**	**14/31**	**1.9 - 64**	**450**	**11/31**	**1 - 31**	**No**	**NC**	**NC**	413	**Yes**
Mercury[3]	NE	NC	NC	No	NC	NC	**0.1**	**17/31**	**1.3 - 16**	**Yes**	**3/31**	**14 - 16**	1	**Yes**
Nickel	38	0/20	--	No	NC	NC	280	0/20	--	No	NC	NC	9.5	No
Uranium[4]	NE	NC	NC	No	NC	NC	NE	NC	NC	No	NC	NC	6.3	No
Vanadium	NE	NC	NC	No	NC	NC	NE	NC	NC	No	NC	NC	63	No
Zinc	**160**	**16/31**	**1.9 - 16**	**No**	**NC**	**NC**	**120**	**18/31**	**1.2 - 21**	No	NC	NC	62	**Yes**

[1] The 95% upper confidence limit (UCL_{95}) of the mean was calculated for background soil, and sediment. Waste rock and tailings are being compared to the UCL^{95} for soils.
[2] Ecological Soil Screening Level (Eco-SSL) value represents trivalent chromium.
[3] Mercury benchmark is based on EPA Region 5, RCRA Ecological Screening Levels (August 2003)
[4] Uranium benchmark is based on United States Department of Energy *Preliminary Remediation Goals for Ecological Endpoints*, ES/ER/TM-162/R2 (Efroymsom et al, August 1997)
HQ = Hazard quotient (HQ = exposure concentration/benchmark concentration); if the HQ > 1.0, risk of adverse effects in exposed organisms may be of concern, with the probability of risk increasing as the HQ value increases.
NA = Not analyzed
NC = Not calculated
NE = None established
-- = All HQs are < 1.0
Indicates contaminant will be further reviewed for that species group.

Table H3 Initial Ecological Data Screening - Avian and Mammal Species
Sunchief Mill Site, Tonto National Forest

Chemical of Interest	EPA Eco SSL Avian (mg/kg)	Frequency of HQs >1.0	Range of HQs >1.0	Mean or UCL^{95} Bkgrd[1] > Eco SSL?	Frequency > Background and HQs >1.0	Range of HQs >1.0	EPA Eco SSL Mammal (mg/kg)	Frequency of HQs >1.0	Range of HQs >1.0	Mean or UCL^{95} Bkgrd[1] > Eco SSL?	Frequency of HQs >1.0	Range of HQs >1.0	Mean Bkgd or UCL95 Bkgrd1 (mg/kg)	Retained for Further Evaluation
Soil				**Background**			**Soil**			**Background**				
Cyanide	NE	0/56	--	No	NC	NC	NE	0/56	--	No	NC	NC	ND	No
Aluminum	NE	NC	NC	No	NC	NC	NE	NC	NC	No	NC	NC	14,000	No
Antimony	NE	NC	NC	No	NC	NC	**0.27**	**1/69**	**48**	**No**	**NC**	**NC**	ND	**Yes**
Arsenic	43	0/69	--	No	NC	NC	46	0/69	--	No	NC	NC	5.62	No
Barium	NE	NC	NC	No	NC	NC	2,000	0/69	--	No	NC	NC	112	No
Beryllium	NE	NC	NC	No	NC	NC	21	0/69	--	No	NC	NC	ND	No
Cadmium	**0.77**	**15/69**	**1 - 25.9**	**No**	**NC**	**NC**	**0.36**	**17/69**	**2 - 56**	**Yes**	**17/69**	**2 - 56**	0.53	**Yes**
Chromium[2]	**26**	**1/69**	**1**	No	NC	NC	34	0/69	--	No	NC	NC	18.8	No
Copper	**28**	**33/69**	**1.4 - 132**	**Yes**	**11/69**	**8.2 - 132**	**49**	**26/69**	**1.2 - 75.5**	**Yes**	**11/69**	**4.7 - 75.5**	223	**Yes**
Lead	**11**	**27/69**	**1 - 172**	**Yes**	**25/69**	**1.2 - 172**	**56**	**14/69**	**1 - 34**	**No**	**NC**	**NC**	13.7	**Yes**
Magnesium	NE	NC	NC	No	NC	NC	NE	NC	NC	No	NC	NC	5,900	No
Manganese	4,300	0/69	--	No	NC	NC	4,000	0/69	--	No	NC	NC	413	No
Mercury[3]	NE	NC	NC	No	NC	NC	NE	NC	NC	No	NC	NC	1	No
Nickel	210	0/69	--	No	NC	NC	130	0/69	--	No	NC	NC	9.5	No
Uranium[4]	NE	NC	NC	No	NC	NC	92	0/69	--	No	NC	NC	6.3	No
Vanadium	**7.8**	**69/69**	**1.6 - 10**	**Yes**	**2/69**	**10**	280	0/69	--	No	NC	NC	63	**Yes**
Zinc	**46**	**44/69**	**1 - 100**	**Yes**	**23/69**	**1.4 - 100**	**79**	**19/69**	**1 - 58**	**No**	**NC**	**NC**	62	**Yes**
Sediment				**Background**			**Sediment**			**Background**				
Aluminum	NE	NC	NC	No	NC	NC	NE	NC	NC	No	NC	NC	14,000	No
Antimony	NE	NC	NC	No	NC	NC	0.27	0/4	--	No	NC	NC	ND	No
Arsenic	43	0/23	--	No	NC	NC	46	0/23	--	No	NC	NC	5.62	No
Barium	NE	NC	NC	No	NC	NC	2,000	0/23	--	No	NC	NC	112	No
Beryllium	NE	NC	NC	No	NC	NC	21	0/4	--	No	NC	NC	ND	No
Cadmium	0.77	0/23	--	No	NC	NC	0.36	0/23	--	Yes	0/23	--	0.53	No
Chromium[2]	**26**	**6/23**	**1.1 - 2**	**No**	**NC**	**NC**	**34**	**3/23**	**1.2 - 1.6**	**No**	**NC**	**NC**	18.8	**Yes**
Copper	**28**	**16/23**	**1 - 9.2**	**Yes**	**1/23**	**9.2**	**49**	**12/23**	**1.2 - 5.3**	**Yes**	**1/23**	**5.3**	223	**Yes**
Lead	**11**	**14/23**	**1 - 5.8**	**Yes**	**13/23**	**1.3 - 5.8**	**56**	**2/23**	**1 - 1.1**	**No**	**NC**	**NC**	13.7	**Yes**
Magnesium	NE	NC	NC	No	NC	NC	NE	NC	NC	No	NC	NC	5,900	No
Manganese	4,300	0/23	--	No	NC	NC	4,000	0/23	--	No	NC	NC	413	No
Mercury[3]	NE	NC	NC	No	NC	NC	NE	NC	NC	No	NC	NC	1	No
Nickel	210	0/4	--	No	NC	NC	130	0/4	--	No	NC	NC	9.5	No
Uranium[4]	NE	NC	NC	No	NC	NC	92	0/23	--	No	NC	NC	6.3	No
Vandadium	**7.8**	**4/4**	**6.1 - 9.7**	**Yes**	**1/4**	**9.7**	280	0/4	--	No	NC	NC	63	**Yes**
Zinc	**46**	**2/23**	**1.4**	**Yes**	**2/23**	**1.4**	79	0/23	--	No	NC	NC	62	**Yes**

[1] The 95% upper confidence limit (UCL_{95}) of the mean was calculated for background soil, and sediment. Waste rock and tailings are being compared to the UCL^{95} for soils.

[2] Ecological Soil Screening Level (Eco-SSL) value represents trivalent chromium.

[3] Mercury benchmark is based on EPA Region 5, RCRA Ecological Screening Levels (August 2003)

[4] Uranium benchmark is based on United States Department of Energy *Preliminary Remediation Goals for Ecological Endpoints*, ES/ER/TM-162/R2 (Efroymsom et al, August 1997)

HQ = Hazard quotient (HQ = exposure concentration/benchmark concentration); if the HQ > 1.0, risk of adverse effects in exposed organisms may be of concern, with the probability of risk increasing as the HQ value increases.

NA = Not analyzed

NC = Not calculated

NE = None established

-- = All HQs are < 1.0

Indicates contaminant will be further reviewed for that species group.

Table H3 Initial Ecological Data Screening - Avian and Mammal Species
Sunchief Mill Site, Tonto National Forest

Chemical of Interest	EPA Eco SSL Avian (mg/kg)	Frequency of HQs >1.0	Range of HQs >1.0	Mean or UCL^{95} Bkgrd[1] > Eco SSL?	Frequency > Background and HQs >1.0	Range of HQs >1.0	EPA Eco SSL Mammal (mg/kg)	Frequency of HQs >1.0	Range of HQs >1.0	Mean or UCL^{95} Bkgrd[1] > Eco SSL?	Frequency of HQs >1.0	Range of HQs >1.0	Mean Bkgd or UCL95 Bkgrd1 (mg/kg)	Retained for Further Evaluation
Waste Rock and Tailings				**Background**			**Waste Rock and Tailings**			**Background**				
Cyanide	NE	0/4	--	No	NC	NC	NE	0/4	--	No	NC	NC	ND	No
Aluminum	NE	NC	NC	No	NC	NC	NE	NC	NC	No	NC	NC	14,000	No
Antimony	NE	NC	NC	No	NC	NC	**0.27**	**4/20**	**26 - 48**	**No**	**NC**	**NC**	ND	**Yes**
Arsenic	**43**	**3/31**	**1.1 - 1.7**	**No**	**NC**	**NC**	**46**	**3/31**	**1 - 1.6**	**No**	**NC**	**NC**	5.62	**Yes**
Barium	NE	NC	NC	No	NC	NC	2,000	0/31	--	No	NC	NC	112	No
Beryllium	NE	NC	NC	No	NC	NC	21	0/20	--	No	NC	NC	ND	Yes
Cadmium	**0.77**	**14/31**	**1.4 - 15.6**	**No**	**NC**	**NC**	**0.36**	**23/31**	**1.4 - 33.3**	**Yes**	**19/31**	**1.9 -14.4**	0.53	**Yes**
Chromium[2]	**26**	**1/31**	**3.2**	**No**	**NC**	**NC**	**34**	**1/31**	**2.5**	**No**	**NC**	**NC**	18.8	**Yes**
Copper	**28**	**30/31**	**1.5 - 2,071**	**Yes**	**11/31**	**10 - 2,071**	**49**	**28/31**	**1 - 1,183**	**Yes**	**11/31**	**5.9 - 1,183**	223	**Yes**
Lead	**11**	**29/31**	**1 - 163**	**Yes**	**27/31**	**1.5 - 163**	**56**	**19/31**	**1.1 - 32**	**No**	**NC**	**NC**	13.7	**Yes**
Magnesium	NE	NC	NC	No	NC	NC	NE	NC	NC	No	NC	NC	5,900	No
Manganese	**4,300**	**1/31**	**3.3**	**No**	**NC**	**NC**	**4,000**	**1/31**	**3.5**	**No**	**NC**	**NC**	413	**Yes**
Mercury[3]	NE	NC	NC	No	NC	NC	NE	NC	NC	No	NC	NC	1	No
Nickel	210	0/20	--	No	NC	NC	130	0/20	--	No	NC	NC	9.5	No
Uranium[4]	NE	NC	NC	No	NC	NC	92	0/20	--	No	NC	NC	6.3	No
Vandadium	**7.8**	**20/20**	**1.5 - 36**	**Yes**	**3/20**	**12.3 - 36**	280	1/20	1	No	NC	NC	63	**Yes**
Zinc	**46**	**30/31**	**1 - 54**	**Yes**	**26/31**	**1.4 - 63**	**79**	**24/31**	**1 - 32**	**No**	**NC**	**NC**	62	**Yes**

[1] The 95% upper confidence limit (UCL_{95}) of the mean was calculated for background soil, and sediment. Waste rock and tailings are being compared to the UCL^{95} for soils.
[2] Ecological Soil Screening Level (Eco-SSL) value represents trivalent chromium.
[3] Mercury benchmark is based on EPA Region 5, RCRA Ecological Screening Levels (August 2003)
[4] Uranium benchmark is based on United States Department of Energy *Preliminary Remediation Goals for Ecological Endpoints*, ES/ER/TM-162/R2 (Efroymsom et al, August 1997)
HQ = Hazard quotient (HQ = exposure concentration/benchmark concentration); if the HQ > 1.0, risk of adverse effects in exposed organisms may be of concern, with the probability of risk increasing as the HQ value increases.
NA = Not analyzed
NC = Not calculated
NE = None established
-- = All HQs are < 1.0
Indicates contaminant will be further reviewed for that species group.