Table C1
Money Metals Mine Sediment, Soil, and Waste Rock Analytical Results

		Sample ID	Metals (mg/kg)																							
			Aluminum	Antimony	Arsenic	Barium	Beryllium	Cadmium	Calcium	Total Chromium	Hexavalent Chromium	Cobalt	Copper	Iron	Lead	Magnesium	Manganese	Mercury	Nickel	Potassium	Selenium	Silver	Sodium	Thallium	Vanadium	Zinc
Sediment	USFS, 2002	MM-SD-1	5,330	0.5	15.4	60.5	0.5	2.48	1,050	10	NA	6	106	15,900	**192**	1,370	433	<0.04	6	1,300	<0.8	0.35	40	0.12	11.5	**441**
		MM-SD-2[a]	14,100	0.2	5.2	145	1.2	2.03	2,740	47	NA	5	35	19,800	36.4	3,920	654	0.05	21	3,490	1.3	0.17	50	0.15	20.3	142
	E & E, 2003	SE/A/1	4,950	<1.82	14.8	74.8	0.589	2.43	926	17	NA	5.42	66.7	13,700	**220**	1,490	461	0.0214	8.53	1,550	<1.82	0.939	26.5	0.0744	10.4	212
		SE/A/2	6,450	<1.91	11.4	56.8	0.913	2.84	1,900	21.4	NA	4.04	104	17,100	**133**	2,150	430	0.0102	7.85	1,760	<1.91	0.335	66.8	1.47	15.2	300
		SE/A/3	5,090	<2.12	5.76	35.1	0.58	1.53	1,220	10.2	NA	2.47	53.2	13,200	**133**	1,640	255	<0.0302	4.3	1,500	<2.12	<1.06	61	1.38	15.2	211
		SE/B/1 (Money Metals)[a]	8,810	<1.71	7.79	86	0.842	1.03	1,360	21.5	NA	3.17	14.1	14,900	50.9	1,980	612	0.0124	10.6	1,850	<1.71	<0.853	41.2	1.02	13.3	91.3
	Weston, 2009	MM-Sed-1[a]	NA	NA	5.1	NA	NA	<1.0	NA	44	NA	NA	11	NA	56	NA	NA	<0.083	NA	NA	<5.0	NA	NA	NA	NA	57
		MM-Sed-2	NA	NA	16	NA	NA	1	NA	6.2	NA	NA	89	NA	**130**	NA	NA	<0.083	NA	NA	<5.0	NA	NA	NA	NA	96
		MM-Sed-3	NA	NA	13	NA	NA	<1.0	NA	13	NA	NA	49	NA	120	NA	NA	<0.083	NA	NA	<5.0	NA	NA	NA	NA	110
		MM-Sed-4	NA	NA	6.7	NA	NA	<1.0	NA	<5.0	NA	NA	27	NA	53	NA	NA	<0.083	NA	NA	<5.0	NA	NA	NA	NA	91
Soil	E & E, 2003	SO/B/1 (Money Metals)[a]	25,100	<1.74	11.2	171	1.97	0.54	2,370	122	NA	7.5	15.5	36,500	30.9	9,520	556	0.0172	47.7	5,150	<1.74	<0.868	58.5	2.82	68.1	85.7
		SO/B/2 (Money Metals)[a]	4,000	<1.79	8.61	73.1	0.562	0.464	801	8.72	NA	2.81	13	13,300	60.9	941	506	<0.0276	15	1,180	<1.79	<0.893	40	<1.79	8.62	55
		SO/B/3 (Money Metals)[a]	11,400	<1.98	7.78	59.2	0.668	0.279	1,470	12.1	NA	5.99	12.2	17,600	10.8	2,010	254	0.0158	9.16	1,590	<1.98	<0.988	43.4	1.47	22.5	26.6
		SO/B/1 (Poland)[a]	15,100	<3.51	4.42	130	1	0.472	4,730	7.68	NA	11	24.5	24,100	13.3	4,730	404	0.0246	10.4	2,550	<1.75	<0.877	103	3.69	48.3	51.6
		SO/B/2 (Poland)[a]	11,600	<1.44	9.63	140	0.585	0.511	3,340	5.19	NA	5.2	18.9	21,400	16.5	3,460	445	0.032	5.75	3,650	1.44	0.722	51.9	1.95	22.8	45.8
		SO/B/3 (Poland)[a]	14,300	<1.77	6.88	148	0.94	0.474	3,750	5.37	NA	8.51	15.9	25,800	23	3900	523	0.0236	4.17	6090	<1.77	<0.003	58.1	2.66	24.2	46.8
	Weston, 2009	MM-S-1[a]	NA	NA	6.4	NA	NA	<1.0	NA	5.8	NA	NA	19	NA	42	NA	NA	<0.083	NA	NA	<5.0	NA	NA	NA	NA	20
		MM-S-2	NA	NA	7.1	NA	NA	<1.0	NA	28	NA	NA	36	NA	40	NA	NA	<0.083	NA	NA	<5.0	NA	NA	NA	NA	38
		MM-S-3	NA	NA	8.4	NA	NA	<1.0	NA	<5.0	NA	NA	25	NA	71	NA	NA	<0.083	NA	NA	<5.0	NA	NA	NA	NA	110
		MM-S-4	NA	NA	5.8	NA	NA	<1.0	NA	9.2	NA	NA	14	NA	24	NA	NA	0.11	NA	NA	<5.0	NA	NA	NA	NA	49
Waste Rock	USFS, 2002	MM-SL-01	2,200	<100	**500**	51.1	<0.002	**14**	600	4	NA	4	**2,280**	142,000	**39,800**	580	228	1.03	1	3,580	**900**	148	170	<30	1.2	**1,800**
	E & E, 2003	WS/A/1	2,130	3.21	**196**	49.9	0.169	**3.75**	193	6.92	NA	1.76	**1,560**	54,900	**30,000**	732	52.2	0.787	4.59	2,920	1.37	108	105	8.05	11.3	**560**
		WS/A/2	3,060	1.41	**62.7**	28.2	0.662	**20**	6,040	6.41	NA	9.38	**616**	28,300	722	1,540	1,740	0.909	8.48	2,120	<8.67	8.8	<130	<1.73	7.25	**2,320**
	Weston, 2009	MM-WS-1	NA	NA	**66**	NA	NA	**4.9**	NA	10	NA	NA	**330**	NA	**1,700**	NA	NA	0.35	NA	NA	<5.0	NA	NA	NA	NA	**830**
		MM-WS-2	NA	NA	**46**	NA	NA	**4.8**	NA	<5.0	NA	NA	**210**	NA	**1,400**	NA	NA	0.42	NA	NA	<5.0	NA	NA	NA	NA	**640**
		MM-WS-3	NA	NA	18	NA	NA	<1.0	NA	<5.0	NA	NA	60	NA	**230**	NA	NA	<0.083	NA	NA	<5.0	NA	NA	NA	NA	140
		MM-WS-4	NA	NA	**81**	NA	NA	**3**	NA	6.8	NA	NA	**430**	NA	**1,200**	NA	NA	0.41	NA	NA	<5.0	NA	NA	NA	NA	**600**
		MM-WS-4D[b]	NA	NA	**78**	NA	NA	**4.9**	NA	7.4	NA	NA	**350**	NA	**1,300**	NA	NA	0.41	NA	NA	<5.0	NA	NA	NA	NA	**720**
		MM-WS-5	NA	NA	**62**	NA	NA	**11**	NA	<5.0	NA	NA	**530**	NA	860	NA	NA	0.32	NA	NA	<5.0	NA	NA	NA	NA	**1,100**
		MM-WS-6	NA	NA	**57**	NA	NA	1.7	NA	<5.0	NA	NA	**430**	NA	**6,900**	NA	NA	0.3	NA	NA	<5.0	NA	NA	NA	NA	**340**
Action Level		Sediment Background Mean	11,455	0.39	6.0	116	1.0	1.19	2,050	38	NA	4	20	17,350	48	2,950	633	0.03	16	2,670	1.5	0.3	45.6	0.59	16.8	97
		Soil Background UCL_{95}	19,080	1.32	9.6	156	1.38	0.54	2,744	59	NA	9	20	29,488	43	4,094	536	0.032	28	3,368	1.69	0.610	59.2	3.06	49.8	64.4
		AZ SRL Non-residential	**920,000**	410	10	170,000	1,900	510	NE	NE	**65**	**13,000**	41,000	NE	800	NE	32,000	310	20,000	NE	5,100	5,100	NE	**67**	**1,000**	310,000
		AZ SRL Residential	76,000	31	10	15,000	150	39	NE	NE	30	1,400	3,100	NE	400	NE	3,300	23	1,600	NE	390	390	NE	5.2	78	23,000
		BLM RMC Camper (Sed)	NE	62	46	NE	NE	155	NE	NE	NE	NE	5,745	NE	1,000	NE	21,679	46	3,094	NE	774	774	NE	NE	NE	46,455
		BLM RMC Camper (Soil)	NE	**50**	**20**	NE	NE	**70**	NE	NE	NE	NE	**5,000**	NE	**1,000**	NE	**19,000**	**40**	**2,700**	NE	**700**	**700**	NE	NE	NE	**40,000**
		BLM RMC Mule deer	NE	NE	200	NE	NE	3	NE	NE	NE	NE	102	NE	106	NE	NE	9	NE	NE	NE	NE	NE	NE	NE	222
		BLM RMC Cattle	NE	NE	419	NE	NE	15	NE	NE	NE	NE	413	NE	244	NE	NE	45	NE	NE	NE	NE	NE	NE	NE	1,082
		BLM RMC Robin	NE	NE	4	NE	NE	0.3	NE	NE	NE	NE	7	NE	6	NE	NE	1	NE	NE	NE	NE	NE	NE	NE	43
		BLM RMC Wildlife Median Value	NE	NE	**275**	NE	NE	**3**	NE	NE	NE	NE	**136**	NE	**125**	NE	NE	**8**	NE	NE	NE	NE	NE	NE	NE	**307**

E&E Data Source: *Preliminary Assessment/Site Inspection, Big Bug Mines, Prescott National Forest, Yavapai County* , August 2004 (sampling conducted in 2003)

USFS Data Source: *Characterization of Big Bug Watershed, Abandoned Mine Survey and Initial Sampling for Possible CERCLA Action* (2002)

[a] Indicates background sample

[b] Indicates duplicate sample

AZ SRL = Arizona Soil Remediation Level

mg/kg = miligrams per kilogram

NA = not analyzed

NE = none established

BLM RMC = Bureau of Land Management Risk Management Criteria

USFS = United States Forest Service

E & E = Ecology and Environment

Indicates exceedence of one or more human health criteria

Indicates exceedence of one or more ecological criteria

Bold Action Level indicates the driver level for human and ecological receptors

Bold result indicates exceedence of driver action level