2006 Water Monitoring Data
Collected by Newfields for Simplot

Sample Location	Location Description	High-Flow Sample Date	Flow (cfs)	Dissolved Selenium mg/L	Total Recoverable Selenium (mg/L)	Low-Flow Sample Date	Flow (cfs)	Dissolved Selenium mg/L	Total Recoverable Selenium (mg/L)
Smoky Canyon Mine High- and Low-Flow Monitoring Results									
ET	Drainage on eastern side of Sage Valley, approximately 150 yards southeast of Tailings Pond No. 2.	5/21/2006	1.55	0.0012	0.00093	10/17/2006	0.03	0.00042	0.00041
UT-1	Upper Tygee	5/21/2006	0.52	0.00035	0.00035	10/17/2006	0.05	<0.0002	0.00023
LT-3	Lowest Tygee below TP-2	5/21/2006	1.53	0.00094	0.0012	10/17/2006	0.34	0.00064	0.00065
UR	Upper Roberts Creek	5/21/2006	0.54	0.00021	0.00021	10/17/2006	0.29	<0.0002	0.00022
USm	Smoky Creek, above activity at Smoky Canyon Mine	5/22/2006	3.52	<0.0002	<0.0002	10/16/2006	0.06	<0.0002	<0.0002
MSm	Middle Smoky Ck	5/22/2006	0.61	0.00049	0.00061	10/18/2006	dry	—	—
LSmS	Lower Smoky Spring	5/22/2006	2.12	0.0002	0.00026	10/18/2006	0.19	0.00028	0.00021
LSm	Lower Smoky Ck	5/22/2006	3.53	0.0002	0.00026	10/18/2006	0.628	0.0002	0.00021
UP	Upper Pole Canyon Ck	5/21/2006	NM	0.00035	0.0004	10/16/2006	1.04	0.00069	<0.0002
LP	Lower Pole Canyon CK	5/21/2006	4.97	0.928	0.936	10/16/2006	dry	—	—
LP-1	Lower Pole Canyon discharge	5/21/2006	8.38	—	0.992	10/16/2006	dry	—	—
NSV-6	North Fork Sage Creek, below Pole Creek	no sample	NM	—	—	10/17/2006	0.93	0.0013	0.0013
US	Upper Sage	5/22/2006	NM	0.00021	0.00042	10/17/2006	3.75	<0.0002	<0.0002
LS	Sage Creek located at mouth of canyon at Smoky Canyon Mine haul road crossing and National Forest boundary	5/22/2006	47.03	0.00034	0.0005	10/16/2006	0.06	<0.0002	<0.0002
HS	Spring located between Lower South Sage and Lower Sage sampling locations, approximately 100 yards downstream from	5/17/2006	NM	0.0169	0.0189	10/16/2006	2.15	0.016	0.0167
		5/22/2006	3.39	0.0173	0.0162	1/13/2007	—	0.0192	—
HS-3	Hoopes Spring (discharge channel) near Sage Creek confluence	no sample	NM	—	—	10/17/2006	4.85	—	0.0106
USS	upper South Fork Sage Creek located approximately 1.3 miles above National Forest boundary	5/23/2006	NM	<0.0002	<0.0002	10/16/2006	0.04	0.0004	0.0002
LSS	lower South Fork Sage Creek below springs and above confluence with Sage Creek	5/22/2006	23.6	0.002	0.0019	10/16/2006	11.85	0.0056	0.0056
						1/13/2007	—	0.0081	—
LSV-1	Sage Creek below inflow from North Sage Creek	5/21/2006	NM	0.0166	0.0336	10/17/2006	2.57	—	0.0012
LSV-2	Sage Creek below Hoopes Spring	5/21/2006	NM	—	0.0252	10/17/2006	13.70	—	0.01
LSV-3	Sage Creek below S.Fork Sage Creek	5/21/2006	52.33	0.0166	0.0232	10/16/2006	20.55	0.007	0.0074
LSV-4	Sage Creek above Crow Creek, just above bridge for main Crow Creek road	5/21/2006	NM	—	0.0146	10/16/2006	17.86	—	0.0078
CC-1	Crow Creek downstream of Sage Creek	5/23/2006	139.85	—	0.0054	no sample	NM	—	—
SW-CC-SIM	Crow Creek near original CC-1	no sample	NM	—	—	10/18/2006	43.86	—	0.0034
CC-3	Crow Creek downstream of CC-1	5/23/2006	144.54	—	0.0052	10/19/2006	NM	—	0.0012
Panels F and G 2006 Baseline Surface Water Quality Monitoring									
SW-SFSC-500	South Fork Sage Creek upstream of Panel F lease boundary	5/23/2006	10.48	—	<0.0002	10/16/2006	0.00	—	0.00023
SP-MC-300	Spring in Manning Ck	5/23/2006	0.27	—	0.00023	10/19/2006	dry	—	—
SP-Reide	Reide springs	5/25/2006	NM	—	0.00087	10/19/2006	dry	—	—
SW-CC-100	Crow Ck	5/25/2006	29.05	—	0.00067	10/18/2006	10.37	—	0.00081
SW-CC-300	Crow Ck	5/23/2006	83.72	—	0.0011	10/18/2006	24.95	—	0.00086
SP-WC-750	Spring in Wells Canyon	5/25/2006	NM	—	0.0007	10/18/2006	0.07	—	0.00075
SP-WC-400	Spring in Wells Canyon	5/25/2006	0.23	—	0.0034	10/18/2006	0.21	—	0.0037
SW-WC-800	Wells Canyon	5/25/2006	0.49	—	0.00081	10/18/2006	0.28	—	0.00057
SW-NFDC-200	Upper North Fork Deer Creek ½-mile downstream of divide	5/24/2006	0.74	—	0.0019	10/19/2006	—	—	0.0012
SP-UTNFDC-540	North Fork Deer Creek, Spring	5/24/2006	0.23	—	0.0086	10/19/2006	—	—	0.0047
SW-NFDC-900	North Fork Deer Ck	5/24/2006	7.13	—	0.0012	10/19/2006	0.00	—	0.0014
SW-SFDC-300	South Fork Deer Ck	5/25/2006	3.88	—	0.00037	10/19/2006	dry	—	—
SW-DC-400	Deer Ck	5/24/2006	22.6		0.0007	10/19/2006	dry	—	—
SW-DC-500	Deer Ck	5/24/2006	20.39	—	0.00083	10/19/2006	—	—	0.0014
SW-DC-600	Deer Ck	5/25/2006	30.72	—	0.001	10/18/2006	2.77	—	0.0014
SP-UTDC-700	Small spring north of Panel G near Deer Creek channel	5/24/2006	NM	—	0.0078	10/19/2006	—	—	0.0037
SP-UTDC-800	Spring in upper Deer Ck	5/24/2006	NM	—	0.00067	10/19/2006	dry	—	—

Table 2. Groundwater Water Level Elevations and Selenium Concentration Data, 2006

Sample Location	Location Description	Sample Date	Water Level Elevation (ft amsl)	Dissolved Seleniun (mg/L)	Total Recoverable Selenium (mg/L)
Groundwater Monitoring					
GW-CO	Consent Order well	5/3/2006	NM	---	0.0037
		9/18/2006	NM	0.0029	---
		11/13/2006	NM	---	0.0035
GW-CW	Culinary well	4/1/2006	NM	---	0.0288
		4/9/2006	NM	---	0.037
		5/3/2006	NM	---	0.0431
		9/18/2006	NM	0.0456	---
		11/13/2006	NM	---	0.0354
GW-IW	Industrial well	4/9/2006	NM	---	0.0131
		11/13/2006	NM	---	0.0132
GW-15	Alluvial well, lower Pole Canyon	5/16/2006	6846.70	1.48	1.43
		9/20/2006	6823.80	0.895	0.936
		10/18/2006	6819.97	0.766	0.796
GW-16	Wells Fm well, lower Pole Canyon	5/19/2006	6638.90	0.822	0.7
		9/20/2006	6640.80	0.714	0.723
		10/18/2006	6639.40	0.476	0.492
GW-18	Wells Fm well, near Hoopes Spring	5/17/2006	6634.10	0.0045	0.0044
		9/19/2006	6634.90	---	0.0039
		10/19/2006	6634.15	0.0028	0.0033
GW-19	Alluvial well, Sage Valley	5/22/2006	6624.35	0.00094	0.00088
		10/19/2006	6622.00	0.00042	0.00087
GW-20	Alluvial well, Sage Valley	5/22/2006	6529.90	0.00058	0.00059
		10/19/2006	6531.05	0.00046	0.00068
GW-22	Alluvial well, Sage Valley	5/17/2006	6746.30	0.0461	0.044
		9/21/2006	6742.80	0.0174	0.0177
		10/18/2006	6740.90	0.0225	0.025
DC-MW-5	Wells Fm well, Deer Creek	6/22/2006	6929.00	0.0106	---
MC-MW-1	Wells Fm well, S. Fork Sage Creek	5/19/2006	6639.60	0.00037	0.00034
MC-MW-5	Phosphoria Fm well, Manning Ck	6/22/2006	7829.50	0.0171	---