

UNITED STATES DEPARTMENT OF THE INTERIOR
GEOLOGICAL SURVEY

GEOCHEMICAL ANALYSES OF ROCK AND STREAM-SEDIMENT
SAMPLES FROM BALD ROCK, BUCKS LAKE, CHIPS CREEK,
AND MIDDLE FORK FEATHER RIVER ROADLESS AREAS,
BUTTE AND PLUMAS COUNTIES, CALIFORNIA

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This report is preliminary and
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STUDIES RELATED TO WILDERNESS

The Wilderness Act (Public Law 88-577, September 3, 1964) and related acts require the U.S. Geological Survey and the U.S. Bureau of Mines to survey certain areas on Federal lands to determine their mineral resource potential. Results must be made available to the public and be submitted to the President and the Congress. This report presents the results of a geochemical survey of the Bald Rock, Bucks Lake, Chips Creek, and Middle Fork Feather River Roadless Areas in the Lassen and Plumas National Forests, Butte and Plumas Counties, California. Bald Rock, Bucks Lake, Chips Creek, and Middle Fork Feather River were classified as further planning areas during the Second Roadless Area Review and Evaluation (RARE II) by the U.S. Forest Service, January 1979.

INTRODUCTION

Bald Rock (5169), Bucks Lake (5168), Chips Creek (5099), and Middle Fork Feather River (5167) Roadless Areas occupy 66,450 acres on the west slope of the Sierra Nevada near Quincy, Calif. (fig. 1; note that Middle Fork Feather River and Bald Rock boundaries include areas designated as Wild and Scenic River). Bucks Lake and Chips Creek Roadless Areas are separated by the North Fork of the Feather River; Bald Rock and Middle Fork Feather River Roadless Areas are along the Middle Fork of the Feather River. The geology of the roadless areas has been summarized briefly by Sorensen and Pietropaoli (1982a, 1982b).

The roadless areas are underlain by Paleozoic and Mesozoic metasedimentary, metavolcanic, and ultramafic rocks that have been intruded by Mesozoic plutons and partially covered by flat-lying Cenozoic volcanic rocks. The metamorphic and ultramafic rocks crop out in northwest-trending fault-bounded belts. The easternmost belt consists of the continentally derived sediments of the Shoo Fly Formation. The Shoo Fly is Ordovician(?) to Devonian(?) in age, consists of phyllite with interbedded fine grained quartzite, and is bordered on the west by ultramafic rocks coincident with the Melones fault zone. West of the Melones fault zone are several sequences of Upper Paleozoic and Lower Mesozoic metasedimentary and metavolcanic rocks (Hietanen, 1981). The easternmost of these is the Calaveras Formation, a dominantly metasedimentary unit of Pennsylvanian age. West of the Calaveras is the Franklin Canyon Formation, a series of mainly metavolcanic rocks considered to be Triassic(?) and Late Paleozoic in age. The westernmost sequence of Upper Paleozoic rocks is the Permian(?) Horseshoe Bend Formation, consisting of interbedded and possibly tectonically interleaved metasedimentary, metavolcanic, and ultramafic rocks.

The metasedimentary, metavolcanic, and ultramafic rocks were intruded by quartz diorite (nomenclature of Peterson, 1961) plutons during middle and late Mesozoic time. The area was elevated, eroded, and to some degree covered by volcanic deposits by late Tertiary time. In places, the Tertiary volcanic rocks cover early Tertiary streambed gravels that locally contain placer gold.

ANALYTICAL DATA

Rock samples and stream-sediment concentrates were collected for semiquantitative emission spectrographic analysis (see figs. 2 and 3 for

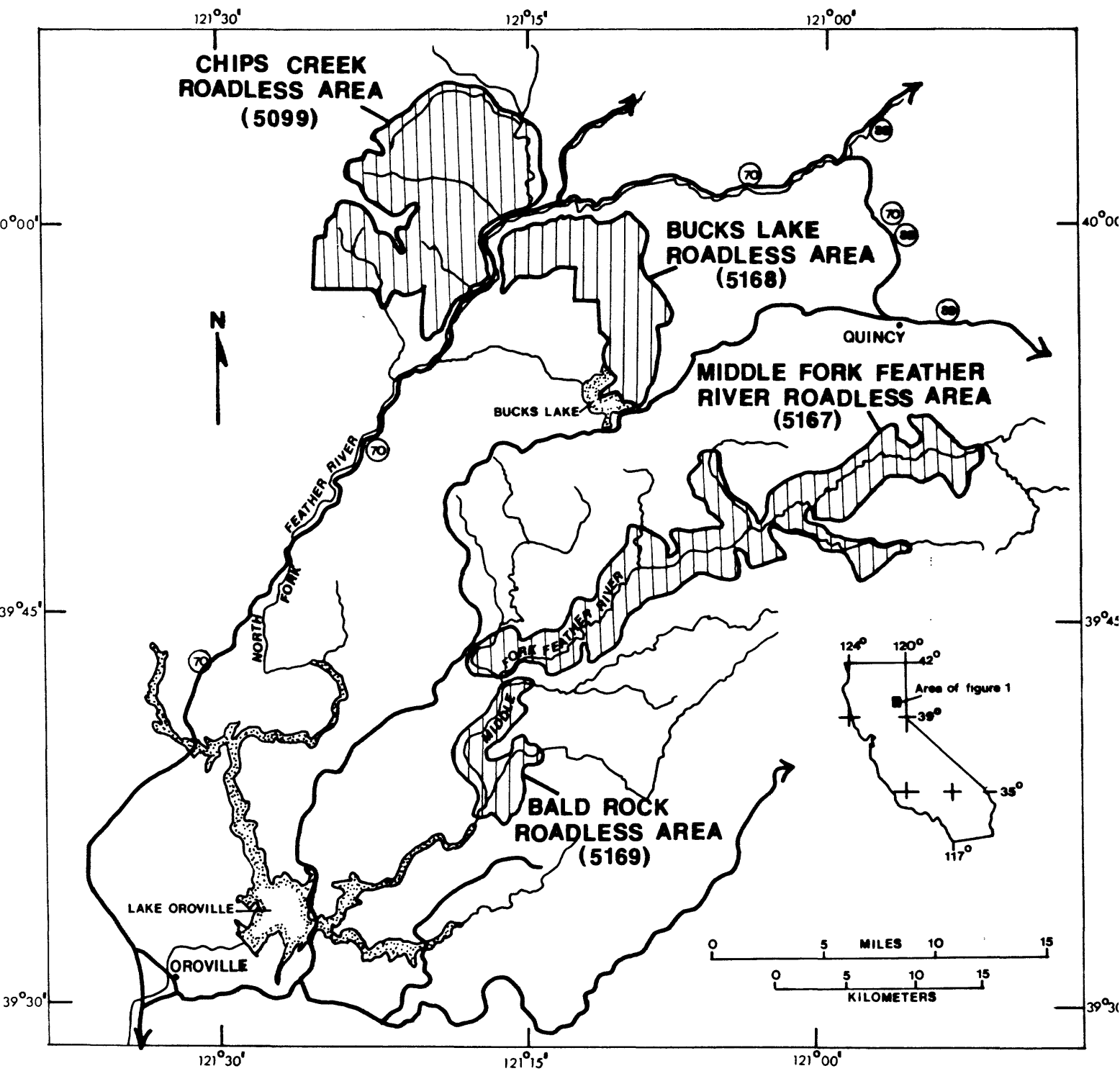


Figure 1.--Index map showing Chips Creek, Bucks Lake, Middle Fork Feather River, and Bald Rock Roadless Areas.

locations). Selected samples were analyzed for gold and platinum-group metals using atomic-absorption and fire-assay methods. Fresh representative bedrock samples from each unit were collected. Stream-sediment samples were collected from sandy material close to the bank and concentrated by panning away organic material and light minerals until about 10 percent of the original volume remained. All samples were collected during 1980 and 1981 by Henry Pietropaoli, M. L. Sorensen, and E. B. Yates.

Sample preparation and analytical procedure

Rock samples were crushed to 6 mm (0.25 in.), split, and pulverized prior to analysis for 31 elements (listed in table 1) by standard semiquantitative emission spectrography following the techniques outlined in Grimes and Marranzino (1968). Quartz veins within ultramafic rocks were analyzed additionally for gold by atomic absorption following the methods of Ward and others (1969). Stream-sediment-concentrate samples were dried, sieved to minus 80-mesh, and split. They were then separated into heavy and light fractions using bromoform, and magnetic minerals removed using a hand magnet or a Frantz Isodynamic separator. Most of the concentrates were analyzed by semiquantitative emission spectrography for 30 or 31 elements (elements are listed in table 2; scandium was not analyzed in some samples). A small number of the stream-sediment concentrates were analyzed by fire assay for gold and platinum-group metals (listed in table 2) following the methods of Haffty and others (1977). Spectrographic atomic absorption and fire assay analyses were performed by E. L. Mosier, J. Motooka, Steve Sutley, R. R. Carlson, E. F. Cooley, and R. T. Hopkins at the U.S. Geological Survey in Denver, Colo.

Data

Analytically determined abundances for all elements are reported in parts per million, except for Ca, Fe, Mg, and Ti, which are given as percentages. Table 4 lists the trace element analyses for 157 rock samples and table 5 lists the trace element analyses for 454 stream-sediment concentrates. Rock type and formation or unit, coded in the first two columns of table 4 for each sample, are listed in table 3. Elements not reported present above the lower determination limits given in tables 1 and 2 were omitted from table 4 and 5. Semiquantitative spectrographic analyses are reported as the midpoints of a six-step geometric interval whose boundaries are 0.12, 0.18, 0.26, 0.38, 0.56, 0.83, 1.2, and so on, and whose midpoints are 0.15, 0.2, 0.3, 0.5, 0.7, 1.0, and so on. The precision of these values is approximately plus or minus one interval at 68 percent confidence or two intervals at 98 percent confidence (D.J. Grimes, oral commun., 1980). Atomic-absorption and fire-assay methods are quantitative and values are reported as discrete values.

Analytical data are stored in the U.S. Geological Survey RASS system (Rock Analysis Storage System) (Van Trump and Miesch, 1976). STATPAC (STATistical PACKage) files were generated for both whole-rock and stream-sediment-concentrate data using RASS program Retrieval (b860). STATPAC program Publst (Publication listing), written by J. B. Fife of the U.S. Geological Survey, was used to produce tables 4 and 5.

Table 1.--Lower limits of analytical determination for rock samples from Bald Rock, Bucks Lake, Chips Creek, and Middle Fork Feather River Roadless Areas

[Limits of determination of elements are in parts per million (ppm) except where noted. All analyses are by spectrographic methods except for atomic absorption (aa) gold]

Element	Determination limit	Element	Determination limit
Ca	0.05 percent	Mn	10.
Fe	.05 percent	Mo	5.
Mg	.02 percent	Nb	20.
Ti	.002 percent	Ni	5.
Ag	.5	Pb	10.
As	200.	Sb	100.
Au	10.	Sc	5.
B	10.	Sn	10.
Ba	20.	Sr	100.
Be	1.	Th	100.
Bi	10.	V	10.
Cd	20.	W	50.
Co	5.	Y	10.
Cr	10.	Zn	200.
Cu	20.	Zr	10.
La	20.	Au (aa)	.05

Table 2.--Lower limits of analytical determination for stream-sediment concentrates from Bald Rock, Bucks Lake, Chips Creek, and Middle Fork Feather River Roadless Areas

[Limits of determination for elements are in parts per million (ppm) except where noted. All analyses are by spectrographic methods except for fire-assay (as) gold and platinum-group metals]

Element	Determination limit	Element	Determination limit
Ca	0.05/.1 percent ^a	Ni	10.
Fe	.05/.1 percent ^a	Pb	20.
Mg	.02/.05 percent ^a	Sb	200.
Ti	.002/.005 percent ^a	Sc	10.
Ag	1.	Sn	20.
As	500.	Sr	200.
Au	20.	Th	200.
B	20.	V	20.
Ba	50.	W	100.
Be	2.	Y	20.
Bi	20.	Zn	500.
Cd	50.	Zr	20.
Co	10.	Au (as)	.001-.007 ^b
Cr	20.	Pt (as)	.005-.040 ^b
Cu	10.	Pd (as)	.001-.007 ^b
La	50.	Rh (as)	.002-.015 ^b
Mn	10./20. ^a	Ru (as)	.2-1.5 ^b
Mo	10.	Ir (as)	1-0.7 ^b
Nb	50.		

^aTwo different detection limits were used for different batches submitted for analysis.

^bDetection limits varied for each sample; numbers show range.

Table 3.--Code numbers used for rock types and formation or unit in the first two columns of table 4 for each sample

Rock codes	
Sedimentary rocks	
10	phyllite
11	marble
12	limestone
13	dolomite
14	tillite
20	quartzite
21	chert
Extrusive igneous and meta-igneous rocks	
30	basalt
31	andesite
32	felsite
33	rhyolite
34	tuff
35	breccia
36	greenstone
Ultramafic and mafic rocks	
40	serpentine
41	pyroxenite
42	peridotite
43	talc
44	amphibolite
45	hornblendite
Intrusive igneous and meta-igneous rocks	
50	diorite
51	diabase
52	gabbro
53	quartz diorite
Gossan and quartz veins	
60	gossan
61	quartz veins
Formation or unit codes	
10	Shoo Fly Formation
20	Calaveras Formation
21	Franklin Canyon Formation
22	Horseshoe Bend Formation
30	Bucks Lake Pluton
31	Grizzly Pluton
32	Hartman Pluton
33	Bald Rock Pluton
34	Cascade Pluton
40	Lovejoy Formation
41	Unnamed Tertiary volcanic rocks
60	Feather River Ultramafic Body and other ultramafic and related rocks
70	Large bodies of intrusive metaigneous rocks; small bodies are given code of host unit

Table 4.--Results of rock geochemical analyses for samples from Bald Rock, Bucks Lake, Chips Creek, and Middle Fork Feather River Roadless Areas [First two digits of sample number indicate year of collection; letters indicate collector; P, H. Pietropaoli; S, M. L. Sorensen; Y, E. B. Yates; last three digits indicate sample site. Qualifying codes in analytical data are defined as follows: N, not detected at the limit of analytical detection; <, detected, but below the lower limit of analytical determination; >, detected but above the upper limit of analytical determination; --, no analysis performed]

Sample	rock	unit	UTM EAST	UTM NORTH	Ca-pct. s	Fe-pct. s	Mg-pct. s	Ti-pct. s	Ag-ppm s	As-ppm s	B-ppm s
80P012	43	22	649,645	4,391,700	<.05	5.00	10.00	.070	N	N	N
80P020	61	22	654,280	4,399,260	.10	.70	.02	.500	N	N	10
80P045	61	21	662,660	4,405,900	<.05	<.05	.02	.005	N	N	10
80P046	33	21	662,690	4,405,925	3.00	5.00	2.00	.150	N	N	10
80P047	20	20	663,675	4,410,960	<.05	.50	.20	.050	N	N	15
80P055	20	20	662,960	4,411,730	.20	7.00	1.50	.200	N	N	50
80P059	32	21	671,540	4,409,820	2.00	7.00	3.00	1.000	N	N	10
80P066	35	10	679,040	4,414,365	<.05	.15	.20	.150	5.0	N	100
80P070.1	40	60	673,285	4,408,595	.20	7.00	10.00	.030	N	N	70
80P070.2	40	60	673,285	4,408,595	15.00	1.00	10.00	.002	N	N	20
80P070.3	40	60	673,285	4,408,595	.15	2.00	5.00	.015	N	N	30
80P072	10	20	673,690	4,406,560	2.00	10.00	2.00	1.000	N	N	10
80P075	30	41	675,025	4,406,320	2.00	10.00	2.00	1.000	N	N	10
80P084	52	60	675,780	4,406,280	3.00	5.00	2.00	.500	N	N	N
80P085	50	60	675,060	4,406,875	3.00	5.00	1.50	.500	N	N	20
80P086	20	10	679,710	4,412,660	<.05	.50	.10	.150	N	N	20
80P087	10	10	679,850	4,412,880	<.05	1.50	.10	.100	N	N	50
80P093	10	20	670,425	4,411,410	.05	3.00	1.00	.300	N	N	150
80P094.1	32	20	670,300	4,411,690	.70	1.00	.50	.100	N	N	30
80P094.2	30	41	670,300	4,411,690	.70	7.00	2.00	>1.000	N	N	<10
80P096A	30	41	670,240	4,410,000	.30	10.00	1.50	>1.000	N	N	10
80P096B	10	20	670,240	4,410,000	.30	7.00	1.50	>1.000	N	N	100
80P097	32	21	670,040	4,409,835	.07	1.00	.50	.150	N	N	50
80P100	40	60	673,740	4,412,455	.70	5.00	10.00	.030	N	N	70
80P104	50	30	658,240	4,419,935	2.00	5.00	2.00	.500	N	N	10
80P106	50	30	658,100	4,419,080	2.00	3.00	2.00	.500	N	N	10
80P112	50	30	653,360	4,423,930	3.00	5.00	2.00	.700	N	N	10
80P127	40	60	675,750	4,428,475	<.05	5.00	10.00	.002	N	N	100
80P128	32	10	657,645	4,428,245	1.50	3.00	2.00	.200	N	N	70
80P132	41	60	656,060	4,430,680	.05	5.00	10.00	.010	N	N	50
80P139A	61	20	647,800	4,428,800	.10	.10	.07	.015	N	N	10
80P139B	20	20	647,800	4,428,800	.10	5.00	1.00	.200	<.5	N	15
80P143	11	20	646,690	4,427,140	20.00	.05	.50	.003	N	N	N
80P145	52	30	646,855	4,426,850	2.00	5.00	2.00	.500	N	N	10
80P152	30	20	644,800	4,436,650	3.00	5.00	2.00	.200	N	N	20
80P155	20	20	646,650	4,436,600	.10	2.00	.50	.070	N	N	10
80P163	30	41	645,000	4,433,950	5.00	7.00	3.00	.300	N	N	<10
80P166	50	31	635,000	4,427,050	1.00	1.50	.70	.150	N	N	20
80P180	45	70	638,100	4,431,200	5.00	5.00	3.00	.500	N	N	N
80P186	30	41	639,405	4,432,500	3.00	5.00	3.00	.500	N	N	15
80P195	52	20	644,555	4,432,105	3.00	5.00	2.00	.700	N	N	20
80S003	52	22	648,338	4,394,665	.07	5.00	10.00	.010	N	N	20
80S005	10	22	648,150	4,394,420	5.00	10.00	2.00	1.000	N	N	N
80S007	50	33	646,045	4,390,590	1.50	2.00	1.00	.150	N	N	10
80S009	50	33	647,060	4,389,330	1.50	1.50	.50	.150	N	N	15

Sample	Ba-ppm _s	Be-ppm _s	Co-ppm _s	Cr-ppm _s	Cu-ppm _s	La-ppm _s	Mn-ppm _s	Mo-ppm _s	Nb-ppm _s	Ni-ppm _s
80P012	N	N	70	1,000	30	N	200	N	N	1,500
80P020	100	N	N	N	<5	<20	100	N	<20	<5
80P045	70	N	N	N	5	<20	30	N	N	5
80P046	20	N	30	300	30	N	1,000	N	N	70
80P047	500	<1	7	<10	10	N	700	N	N	20
80P055	700	1	30	70	30	20	1,000	<5	<20	70
80P059	70	N	50	200	70	N	1,000	N	N	70
80P066	3,000	3	N	200	20	50	100	150	N	70
80P070.1	50	N	100	2,000	20	N	1,000	N	N	2,000
80P070.2	150	N	15	150	5	N	1,500	N	N	300
80P070.3	<20	N	50	1,500	7	N	300	N	N	1,500
80P072	50	N	50	150	150	N	1,500	5	N	70
80P075	1,000	2	50	20	50	N	1,500	N	N	30
80P084	300	N	30	300	50	N	1,000	N	N	300
80P085	500	N	20	50	50	30	1,000	5	N	30
80P086	200	<1	<5	15	<5	50	200	N	N	10
80P087	200	1	5	20	10	20	200	N	N	15
80P093	700	3	20	70	30	30	1,000	N	N	50
80P094.1	700	N	10	20	50	30	300	N	N	30
80P094.2	500	1	50	300	150	N	1,500	N	20	200
80P096A	700	2	30	200	100	30	1,000	N	<20	100
80P096B	1,000	3	50	200	50	50	1,000	N	30	150
80P097	200	N	7	15	15	20	300	N	N	30
80P100	N	N	100	2,000	50	N	1,000	N	N	2,000
80P104	300	N	30	200	20	N	500	N	N	70
80P106	300	N	20	150	50	N	700	N	N	70
80P112	200	N	30	200	20	N	700	N	N	100
80P127	N	N	100	2,000	5	N	700	N	N	2,000
80P128	1,000	1	20	150	50	N	1,000	N	N	100
80P132	N	N	100	2,000	10	N	1,000	N	N	2,000
80P139A	70	N	N	N	15	<20	200	N	N	5
80P139B	1,500	2	20	100	100	50	1,000	15	<20	50
80P143	70	N	N	N	<5	20	100	N	N	N
80P145	500	N	30	150	50	20	500	N	N	150
80P152	50	N	50	500	70	N	1,000	N	N	150
80P155	200	N	15	30	20	N	700	N	N	30
80P163	20	N	50	500	100	N	1,000	N	N	200
80P166	700	1	10	50	20	30	500	N	N	30
80P180	50	N	50	150	30	N	1,000	N	N	150
80P186	200	N	30	500	100	N	1,000	N	N	150
80P195	300	N	30	100	70	20	1,000	N	N	70
80S003	N	N	100	3,000	20	N	700	N	N	3,000
80S005	20	N	50	500	100	N	1,500	N	N	200
80S007	500	2	15	70	20	20	1,000	N	N	50
80S009	500	1	5	10	15	N	500	N	N	5

Sample	Pb-ppm _s	Sc-ppm _s	Sn-ppm _s	Sr-ppm _s	V-ppm _s	Y-ppm _s	Zn-ppm _s	Zr-ppm _s	Au-ppm _{aa}
80P012	N	7	N	N	50	N	N	15	--
80P020	N	<5	<100	50	50	N	N	10	N
80P045	N	N	N	10	500	<10	N	10	N
80P046	N	30	700	500	15	15	N	30	--
80P047	N	7	N	20	N	N	N		--
80P055	20	30	200	70	20	20	200	100	--
80P059	N	50	100	500	30	30	<200	70	--
80P066	N	7	N	3,000	30	30	<200	100	--
80P070.1	N	15	N	70	N	N	N	N	--
80P070.2	N	N	500	N	N	N	N	N	--
80P070.3	N	5	N	30	N	N	N	N	--
80P072	N	50	100	300	50	50	200	100	--
80P075	10	50	500	700	30	30	200	100	--
80P084	N	50	700	300	30	30	N	70	--
80P085	10	30	1,000	700	20	20	N	50	--
80P086	N	5	N	20	<10	<10	N	150	--
80P087	30	N	N	20	10	10	N	200	--
80P093	10	15	N	100	20	20	N	100	--
80P094.1	N	7	N	30	15	15	N	50	--
80P094.2	10	20	N	700	30	30	300	150	--
80P096A	N	20	100	500	30	30	300	100	--
80P096B	N	20	N	200	50	50	200	200	--
80P097	N	5	N	30	N	N	N	50	--
80P100	N	15	N	100	N	N	N	N	--
80P104	N	15	500	200	20	20	N	70	--
80P106	N	15	500	200	15	15	N	70	--
80P112	N	20	700	300	15	15	N	70	--
80P127	N	<5	N	30	N	N	N	N	--
80P128	20	15	700	150	10	10	N	30	--
80P132	N	7	N	30	N	N	N	N	--
80P139A	N	N	N	10	N	N	N	N	N
80P139B	30	20	100	150	20	20	<200	150	--
80P143	N	N	200	N	10	10	N	N	--
80P145	N	20	700	300	20	20	N	15	--
80P152	N	50	100	200	20	20	N	20	--
80P155	N	10	N	70	10	10	N	70	--
80P163	N	50	100	500	20	20	N	30	--
80P166	20	5	300	100	10	10	N	70	--
80P180	N	70	500	700	20	20	N	15	--
80P186	10	30	200	300	20	20	N	30	--
80P195	10	50	700	700	30	30	N	30	--
80S003	N	10	N	70	N	N	N	N	--
80S005	N	50	150	500	30	30	200	70	--
80S007	10	10	500	150	10	10	N	100	--
80S009	20	5	500	50	<10	<10	N	100	--

Sample	rock	unit	UTM EAST	UTM NORTH	Ca-ppt. s	Fe-pct. s	Mg-pct. s	Tl-pct. s	Ag-pptm s	As-pptm s	B-pptm s
80S011	30	22	647,760	4,400,090	2.00	10.00	5.00	.700	N	N	10
80S011.1	44	22	647,760	4,400,090	5.00	10.00	2.00	1.000	N	N	N
80S015	10	22	647,135	4,399,080	5.00	3.00	5.00	.100	N	N	N
80S025	32	21	662,820	4,406,070	2.00	5.00	1.50	.200	N	N	10
80S025.1	32	21	662,820	4,406,070	2.00	5.00	2.00	.200	N	N	<10
80S028	10	21	664,595	4,406,270	1.50	5.00	1.50	.300	N	N	50
80S029	34	21	663,985	4,405,490	1.00	2.00	1.00	.200	N	N	20
80S031	61	21	663,720	4,406,090	10.00	3.00	1.00	.150	<.5	N	20
80S036	31	21	665,330	4,407,180	2.00	7.00	2.00	.300	N	N	30
80S037	31	21	665,395	4,407,360	3.00	7.00	2.00	.300	N	N	30
80S039	10	20	665,900	4,407,670	.10	2.00	.70	.300	N	N	100
80S041	31	20	666,610	4,407,480	1.00	2.00	.50	.200	N	N	20
80S042	50	33	645,100	4,391,000	1.00	1.00	.20	.150	N	N	<10
80S044	50	33	642,050	4,389,450	1.00	1.00	.20	.200	N	N	<10
80S045	42	60	646,830	4,395,790	5.00	5.00	2.00	.700	N	N	N
80S047	50	33	647,100	4,391,080	1.50	2.00	1.00	.500	N	N	10
80S049	50	33	641,950	4,386,990	1.50	.50	.15	.150	N	N	<10
80S050	50	33	639,980	4,391,000	.70	1.00	.20	.200	N	N	10
80S051	50	33	642,350	4,391,850	1.50	1.00	.20	.200	N	N	10
80S052	50	33	651,065	4,399,270	.30	.50	.10	.100	N	N	10
80S053	61	33	651,065	4,399,270	.05	<.05	<.02	.005	N	N	N
80S054	34	22	652,500	4,400,260	2.00	5.00	.70	1.000	N	N	10
80S056	30	40	654,820	4,395,070	2.00	7.00	1.50	1.000	N	N	<10
80S057	30	40	655,390	4,394,690	2.00	7.00	1.50	>1.000	N	N	10
80S058	30	40	656,540	4,394,470	2.00	7.00	1.50	1.000	N	N	10
80S059	30	40	658,050	4,393,900	2.00	7.00	1.50	>1.000	N	N	10
80S060	30	40	660,050	4,394,150	3.00	10.00	1.50	1.000	N	N	10
80S061	30	40	662,700	4,394,100	2.00	7.00	1.50	>1.000	N	N	10
80S063	50	33	652,370	4,397,190	2.00	3.00	1.50	.500	N	N	20
80S064	50	34	654,360	4,397,830	2.00	3.00	1.50	.500	N	N	10
80S065	30	40	654,360	4,397,830	2.00	7.00	1.50	1.000	N	N	10
80S066	53	32	656,500	4,400,750	2.00	2.00	1.00	.150	N	N	10
80S066.1	53	32	656,500	4,400,750	1.50	2.00	.50	.150	N	N	10
80S067	30	40	658,140	4,402,480	2.00	10.00	1.50	>1.000	N	N	N
80S068	11	22	659,840	4,403,090	20.00	<.05	.50	<.002	N	N	N
80S069	21	22	661,290	4,403,780	.05	2.00	.50	.100	N	N	10
80S070	50	70	663,235	4,404,350	5.00	5.00	2.00	.200	N	N	10
80S071	31	41	664,800	4,404,100	2.00	5.00	1.00	.200	N	N	15
80S072	31	21	666,570	4,405,350	2.00	7.00	2.00	.500	N	N	15
80S073	31	21	667,980	4,404,150	3.00	7.00	2.00	.300	N	N	20
80S074	50	30	656,160	4,425,000	2.00	3.00	1.50	.500	N	N	10
80S079	50	30	655,300	4,422,560	3.00	3.00	2.00	.500	N	N	10
80S087	40	60	680,580	4,409,580	<.05	10.00	10.00	.010	N	N	100
80S088	50	60	680,320	4,410,070	1.00	1.50	.70	.150	N	N	15
80S089	20	10	680,385	4,410,240	<.05	.50	.10	.070	N	N	10

Sample	Ba-ppm _s	Be-ppm _s	Co-ppm _s	Cr-ppm _s	Cu-ppm _s	La-ppm _s	Mn-ppm _s	Mo-ppm _s	Nb-ppm _s	Ni-ppm _s
80S011	50	1	70	500	20	N	1,500	N	N	1,000
80S011.1	50	N	50	200	100	N	1,500	N	N	200
80S015	N	N	20	200	<5	N	1,500	N	N	15
80S025	20	N	20	10	70	N	700	N	N	50
80S025.1	N	N	30	100	50	N	1,000	N	N	30
80S028	1,000	N	15	70	20	20	1,500	N	N	5
80S029	70	N	10	N	150	20	700	N	N	30
80S031	70	<1	15	50	50	<20	1,500	<5	N	20
80S036	500	N	30	30	100	N	1,500	N	N	20
80S037	500	N	30	20	150	N	1,500	N	N	20
80S039	1,000	2	15	70	70	20	300	N	N	50
80S041	1,000	1	10	10	<5	20	700	N	N	7
80S042	700	1	N	N	5	N	500	N	N	N
80S044	300	N	N	N	<5	100	500	N	N	200
80S045	<20	N	50	300	70	N	1,000	N	N	50
80S047	500	N	20	70	15	N	500	N	N	N
80S049	700	1	N	N	<5	20	200	N	N	N
80S050	500	1	N	N	<5	N	300	N	N	N
80S051	700	1	N	N	<5	N	500	N	N	N
80S052	500	N	N	N	<5	N	1,500	N	N	5
80S053	50	N	N	N	<5	N	20	N	N	20
80S054	700	2	10	N	7	70	1,500	N	N	15
80S056	1,000	1	20	20	20	N	1,500	N	N	15
80S057	1,000	1	30	N	30	N	1,500	N	N	15
80S058	1,500	2	30	10	20	N	1,000	N	N	15
80S059	1,000	1	30	10	20	N	1,500	N	N	15
80S060	1,000	1	30	20	50	N	1,500	N	N	50
80S061	1,000	2	30	20	50	30	1,500	N	N	30
80S063	700	2	20	30	50	30	1,000	N	N	20
80S064	500	1	20	30	10	20	1,000	N	N	20
80S065	1,000	2	30	30	30	N	1,500	N	N	30
80S066	500	1	10	10	10	20	1,000	N	N	7
80S066.1	500	1	7	10	10	N	1,000	N	N	5
80S067	1,500	2	30	15	20	N	1,500	N	N	15
80S068	N	N	N	N	N	N	50	N	N	N
80S069	1,500	1	5	15	20	20	1,500	N	N	30
80S070	30	N	50	1,000	15	N	1,500	N	N	150
80S071	700	2	15	10	15	20	1,000	N	N	10
80S072	500	N	30	20	150	N	1,500	N	N	20
80S073	300	N	50	20	150	N	1,500	N	N	20
80S074	300	N	20	150	70	N	700	N	N	70
80S079	200	N	30	200	50	N	1,000	N	N	70
80S087	N	N	100	2,000	15	N	1,000	N	N	2,000
80S088	1,000	2	5	10	5	30	500	N	N	10
80S089	500	N	N	10	5	20	100	N	N	15

Sample	Pb-ppm _s	Sc-ppm _s	Sn-ppm _s	Sr-ppm _s	V-ppm _s	Y-ppm _s	Zn-ppm _s	Zr-ppm _s	Au-ppm _{aa}
80S011	N	30	N	N	500	30	200	70	--
80S011.1	N	50	200	200	500	50	N	100	--
80S015	N	15	N	N	150	10	N	10	--
80S025	N	20	500	500	300	20	N	70	--
80S025.1	N	50	500	500	500	15	N	50	--
80S028	10	20	200	200	200	20	N	100	--
80S029	N	15	100	150	150	20	N	70	--
80S031	10	20	500	100	100	10	N	50	N
80S036	N	50	500	500	500	20	<200	50	--
80S037	N	50	500	700	700	20	<200	30	--
80S039	15	15	N	100	100	15	N	100	--
80S041	20	5	300	70	70	10	N	70	--
80S042	10	N	500	20	20	N	N	100	--
80S044	10	N	500	20	20	10	N	100	--
80S045	N	50	150	300	300	30	N	30	--
80S047	10	15	500	150	150	10	N	100	--
80S049	10	N	700	20	20	<10	N	100	--
80S050	10	N	300	20	20	10	N	100	--
80S051	10	N	700	20	20	15	N	150	--
80S052	10	N	200	N	N	15	N	70	--
80S053	N	N	N	10	10	N	N	10	N
80S054	10	10	500	50	50	50	N	200	--
80S056	10	30	300	300	300	30	200	70	--
80S057	N	30	300	500	500	30	200	100	--
80S058	N	30	300	500	500	30	200	100	--
80S059	10	50	300	700	700	30	200	100	--
80S060	10	50	300	700	700	30	<200	100	--
80S061	10	30	300	500	500	30	200	100	--
80S063	10	15	700	150	150	20	N	150	--
80S064	10	15	700	150	150	20	N	100	--
80S065	10	30	300	500	500	30	200	100	--
80S066	10	10	500	100	100	15	N	70	--
80S066.1	10	5	500	70	70	10	N	100	--
80S067	10	50	300	700	700	30	200	100	--
80S068	N	N	200	N	N	N	N	N	--
80S069	N	10	N	20	20	15	N	50	--
80S070	N	70	200	700	700	20	N	15	--
80S071	15	15	700	150	150	20	N	150	--
80S072	N	30	300	700	700	30	<200	50	--
80S073	N	50	700	700	500	20	<200	20	--
80S074	N	15	500	150	150	20	N	100	--
80S079	N	15	700	200	200	15	N	100	--
80S087	N	10	N	70	70	N	N	N	--
80S088	30	5	700	150	150	<10	N	100	--
80S089	N	N	N	15	15	10	N	150	--

Sample	rock	unit	UTM EAST	UTM NORTH	Ca-ppt. s	Fe-ppt. s	Mg-ppt. s	Ti-ppt. s	Ag-pptm s	As-pptm s	B-ppm s
80S090.1	20	10	680,295	4,409,755	<.05	.50	.15	.100	N	N	50
80S090.2	12	10	680,295	4,409,755	.15	1.50	.70	.500	N	N	200
80S090.3	61	10	680,295	4,409,755	<.05	.05	<.02	<.002	N	N	15
80S091	31	41	679,495	4,409,480	3.00	5.00	1.50	.500	N	N	10
80S092	30	40	678,760	4,410,100	2.00	10.00	1.50	1.000	N	N	50
80S093	20	10	681,200	4,409,580	<.05	1.50	.20	.150	N	N	30
80S094	20	10	681,385	4,410,230	<.05	.50	.15	.100	N	N	70
80S095	20	10	681,680	4,411,390	<.05	1.50	.20	.200	N	N	150
80S096	10	10	682,570	4,411,770	<.05	5.00	1.00	.500	N	N	20
80S097	20	10	682,730	4,412,600	<.05	1.00	.70	.150	N	N	100
80S098	10	10	683,490	4,412,075	<.05	7.00	1.50	.500	N	N	N
80S099	13	10	680,310	4,413,720	20.00	.05	10.00	.002	N	N	N
80S099A	60	10	680,310	4,413,720	.07	20.00	.07	<.002	2.0	1,000	N
80S100	20	10	680,320	4,413,920	<.05	3.00	.50	.300	N	N	70
80S101	20	10	680,410	4,413,890	2.00	3.00	3.00	.500	N	N	10
80S102	20	10	680,790	4,414,430	<.05	.70	.20	.100	N	N	20
80S103	10	10	682,560	4,413,980	<.05	5.00	1.00	.200	N	N	200
80S104	61	10	682,310	4,413,630	.07	.70	.10	.030	N	N	15
80S105	20	10	682,170	4,413,475	<.05	1.00	.20	.100	N	N	30
80S106	20	10	681,510	4,413,120	.70	.70	.15	.150	N	N	20
80S109	31	30	656,610	4,419,720	2.00	3.00	1.50	.300	N	N	20
80S110	50	30	656,765	4,420,420	2.00	3.00	2.00	.500	N	N	10
80S130	10	20	653,230	4,428,440	1.50	10.00	2.00	>1.000	N	N	N
80S131	10	20	649,610	4,430,240	.10	7.00	1.00	1.000	N	N	70
80S136	61	20	649,700	4,430,920	<.05	.30	.07	.070	N	N	10
80S145	32	20	640,820	4,435,880	2.00	5.00	2.00	.500	N	N	50
80S148	31	41	641,840	4,435,100	2.00	7.00	2.00	.700	N	N	10
80S150	32	20	641,210	4,435,040	2.00	5.00	2.00	.700	N	N	<10
80S152	32	20	641,250	4,434,370	1.00	2.00	.50	.200	N	N	20
80S153	32	20	640,050	4,434,100	3.00	5.00	2.00	.300	N	N	20
80S154	50	31	639,150	4,428,130	2.00	5.00	1.50	.300	N	N	15
80S156	50	31	638,830	4,427,210	1.50	2.00	1.00	.300	N	N	20
80Y037	10	20	664,095	4,410,560	.10	2.00	.70	.300	N	N	200
80Y040	53	20	664,105	4,410,060	1.00	7.00	2.00	1.000	N	N	<10
80Y046	53	20	665,270	4,409,000	2.00	2.00	.50	.200	N	N	30
80Y056	40	60	675,070	4,413,225	5.00	10.00	10.00	.700	N	N	10
80Y064	10	20	671,715	4,406,255	<.05	2.00	1.00	.200	N	N	200
80Y072	11	20	672,570	4,406,405	20.00	<.05	1.50	<.002	N	N	N
80Y081	20	10	678,775	4,413,725	.05	.50	.15	.050	N	N	15
80Y082	10	10	679,000	4,413,650	<.05	1.50	.10	.070	N	N	20
80Y085	10	10	680,885	4,413,710	.05	5.00	1.00	.500	N	N	200
80Y086	61	10	680,885	4,413,710	.05	.70	.10	.030	N	N	20
80Y089	36	21	670,550	4,410,550	2.00	7.00	2.00	>1.000	N	N	10
80Y100	50	30	656,670	4,421,280	2.00	5.00	2.00	.500	N	N	15
80Y104	50	30	655,270	4,420,530	2.00	5.00	2.00	.500	N	N	15

Sample	Ba-ppm _s	Be-ppm _s	Co-ppm _s	Cr-ppm _s	Cu-ppm _s	La-ppm _s	Mn-ppm _s	Mo-ppm _s	Nb-ppm _s	Ni-ppm _s
80S090.1	500	<1	N	20	<5	<20	100	N	N	7
80S090.2	2,000	3	5	200	7	150	50	N	N	20
80S090.3	30	N	N	<10	<5	N	15	N	N	5
80S091	500	1	30	15	50	N	1,000	N	N	30
80S092	1,000	2	30	20	50	N	1,500	N	N	50
80S093	500	<1	10	20	100	30	150	N	N	10
80S094	300	<1	N	15	5	20	100	N	N	10
80S095	300	1	<5	30	10	20	150	N	N	15
80S096	1,000	5	5	150	50	30	200	N	N	50
80S097	500	<1	N	20	5	20	150	N	N	10
80S098	500	3	10	100	50	50	1,000	N	N	50
80S099	30	N	N	N	<5	N	70	N	N	N
80S099A	<20	N	30	N	100	N	200	N	N	70
80S100	500	2	5	50	15	30	100	N	N	20
80S101	500	1	30	200	30	20	500	N	N	100
80S102	150	<1	N	15	5	N	150	N	N	10
80S103	1,000	5	20	100	20	30	500	N	N	50
80S104	100	<1	N	<10	<5	<20	300	N	N	7
80S105	300	<1	N	20	7	N	100	N	N	15
80S106	500	<1	<5	20	<5	N	1,000	N	N	10
80S109	700	2	20	200	30	30	700	N	N	150
80S110	200	N	20	200	70	20	700	N	N	100
80S130	200	2	50	150	50	N	2,000	N	N	50
80S131	1,000	2	15	200	100	20	200	N	N	20
80S136	150	N	N	N	10	N	10	N	N	5
80S145	500	N	30	300	50	N	1,000	N	N	150
80S148	500	2	30	100	200	N	1,000	N	N	100
80S150	20	N	50	500	50	N	1,000	N	N	100
80S152	1,000	2	7	10	7	20	500	N	N	30
80S153	150	N	50	500	70	N	1,500	N	N	150
80S154	500	1	20	100	30	N	700	N	N	70
80S156	500	2	15	70	100	20	700	N	N	50
80Y037	1,500	2	7	100	70	20	500	7	N	15
80Y040	700	1	50	700	20	30	1,500	N	N	300
80Y046	1,000	1	7	N	30	20	700	N	N	N
80Y056	N	N	50	700	10	N	700	N	N	1,000
80Y064	1,000	3	10	70	50	20	200	N	N	50
80Y072	20	N	N	N	<5	N	30	N	N	N
80Y081	150	<1	<5	10	7	N	1,500	N	N	7
80Y082	100	N	N	N	15	20	300	N	N	10
80Y085	700	3	15	100	20	70	300	N	N	70
80Y086	150	<1	<5	<10	10	N	500	N	N	10
80Y089	300	1	50	300	70	N	1,000	N	N	200
80Y100	300	N	30	200	30	N	700	N	N	100
80Y104	200	N	30	300	70	N	1,000	N	N	100

Sample	Pb-ppm _s	Sc-ppm _s	Sn-ppm _s	Str-ppm _s	V-ppm _s	Y-ppm _s	Zn-ppm _s	Zr-ppm _s	Au-ppm _{aa}
80S090.1	N	N	N	N	50	<10	N	200	--
80S090.2	30	20	N	300	200	30	N	50	--
80S090.3	N	<5	N	N	10	N	N	N	N
80S091	15	20	N	700	300	20	N	70	--
80S092	10	50	N	300	700	30	200	100	--
80S093	10	5	10	N	50	10	N	300	--
80S094	10	<5	N	N	30	10	N	200	--
80S095	10	5	N	N	50	10	N	150	--
80S096	20	15	N	N	150	20	<200	200	--
80S097	N	<5	N	N	30	<10	N	200	--
80S098	10	15	N	N	100	20	300	100	--
80S099	N	N	N	N	N	N	N	N	--
80S099A	50	N	N	N	70	20	N	200	--
80S100	15	7	N	N	100	15	N	150	--
80S101	10	20	N	500	100	15	N	100	--
80S102	N	5	N	N	30	<10	N	100	--
80S103	10	15	N	N	100	20	<200	100	--
80S104	N	N	N	N	15	N	N	30	N
80S105	10	5	N	N	30	10	N	200	--
80S106	20	5	N	150	30	10	N	200	--
80S109	15	15	N	1,000	150	15	N	100	--
80S110	N	15	N	500	200	20	N	100	--
80S130	N	30	N	150	300	30	N	150	--
80S131	15	50	N	100	300	50	N	100	--
80S136	10	5	N	N	20	N	N	20	N
80S145	10	20	N	300	200	15	N	70	--
80S148	20	30	N	300	700	30	N	150	--
80S150	N	30	N	100	300	30	N	70	--
80S152	30	7	N	700	70	10	N	100	--
80S153	N	50	N	N	500	20	N	20	--
80S154	N	15	N	700	200	15	N	20	--
80S156	15	15	N	500	150	20	N	70	--
80Y037	15	20	N	N	150	20	N	150	--
80Y040	10	30	N	200	500	20	200	100	--
80Y046	15	5	N	1,000	100	10	N	50	--
80Y056	N	5	N	N	20	N	N	N	--
80Y064	15	15	N	N	100	20	N	100	--
80Y072	N	N	N	500	N	<10	N	N	--
80Y081	N	5	N	N	20	<10	N	20	--
80Y082	N	5	N	N	15	<10	N	20	--
80Y085	10	20	N	N	150	20	<200	100	--
80Y086	<10	<5	N	N	20	10	N	20	N
80Y089	N	30	N	200	500	50	200	100	--
80Y100	N	15	N	700	300	15	N	100	--
80Y104	N	20	N	700	300	15	N	70	--

Sample	rock	unit	UTM EAST	UTM NORTH	Ca-pct. s	Fe-pct. s	Mg-pct. s	Ti-pct. s	Ag-pptm s	As-pptm s	B-pptm s
80Y106	50	30	658,565	4,418,175	2.00	3.00	1.50	.500	N	N	15
80Y118	36	20	656,500	4,427,490	3.00	7.00	2.00	1.000	N	N	20
80Y120	21	20	656,400	4,428,330	.10	5.00	1.00	.300	.5	N	70
80Y125	10	20	655,010	4,429,590	<.05	.30	.10	.070	N	N	20
80Y130	50	30	647,340	4,426,740	1.50	1.50	1.00	.200	N	N	10
80Y131	51	30	647,340	4,426,740	1.50	2.00	1.00	.200	N	N	15
80Y138	10	20	649,490	4,429,870	.05	3.00	1.00	.300	N	N	100
80Y147	21	20	646,250	4,427,360	.10	2.00	.70	.100	N	N	10
80Y154	42	60	645,230	4,436,270	.70	5.00	7.00	.200	N	N	50
80Y161	51	41	648,080	4,436,670	2.00	5.00	2.00	.700	N	N	30
80Y165	40	60	646,095	4,438,150	<.05	5.00	10.00	.010	N	N	N
80Y169	20	21	635,800	4,429,570	.10	2.00	1.00	.150	N	N	10
80Y183	14	--	640,260	4,430,970	2.00	5.00	2.00	.700	N	N	10
81P202	61	20	647,755	4,433,670	.05	3.00	.30	.200	.5	N	50
81P203A	61	20	645,310	4,433,280	.07	1.00	<.02	.030	.5	N	N
81P204	61	20	645,600	4,433,130	<.05	.30	<.02	.030	N	N	N
81S184	20	20	649,140	4,430,400	.15	2.00	5.00	.200	N	N	<10
81S203A	60	60	636,640	4,431,650	<.05	10.00	.70	1.000	3.0	N	20
81S203B	61	60	636,640	4,431,650	<.05	.30	.07	.030	<.5	N	N
81S204	40	60	637,045	4,431,320	.10	5.00	10.00	.005	N	N	N
81S251A	61	60	637,090	4,431,520	.10	2.00	.20	.300	10.0	N	<10
81S251B	61	60	637,090	4,431,520	.30	10.00	7.00	.700	10.0	N	15

Sample	Ba-ppm s	Be-ppm s	Co-ppm s	Cr-ppm s	Cu-ppm s	La-ppm s	Mn-ppm s	Mo-ppm s	Nb-ppm s	Ni-ppm s
80Y106	300	1	20	70	20	20	700	N	N	70
80Y118	300	1	70	100	15	N	1,000	N	N	70
80Y120	1,000	2	15	100	70	50	500	N	<20	30
80Y125	700	N	N	20	10	30	100	N	N	15
80Y130	500	1	15	100	30	20	500	N	N	50
80Y131	500	1	15	50	20	20	500	N	N	30
80Y138	1,000	3	15	150	200	30	100	5	N	70
80Y147	200	<1	10	30	10	20	2,000	N	N	30
80Y154	500	N	50	1,000	150	N	1,000	N	N	2,000
80Y161	500	2	30	200	200	20	1,000	N	N	100
80Y165	N	N	100	3,000	20	N	1,000	N	N	3,000
80Y169	1,000	1	30	30	20	<20	5,000	N	N	70
80Y183	150	N	50	700	100	N	1,000	N	N	200
81P202	700	2	10	1,000	30	<20	300	5	N	150
81P203A	70	<1	5	20	<5	<20	150	30	N	10
81P204	30	N	N	30	5	N	50	N	N	5
81S184	1,000	1	10	70	50	20	500	N	N	70
81S203A	500	N	50	3,000	50	N	2,000	N	N	1,000
81S203B	70	<1	5	70	5	<20	100	N	N	20
81S204	N	N	70	3,000	10	N	700	N	N	1,500
81S251A	150	<1	15	700	30	<20	100	N	N	150
81S251B	500	2	20	3,000	30	N	700	N	N	700

Sample	Pb-ppm s	Sc-ppm s	Sn-ppm s	Sr-ppm s	V-ppm s	Y-ppm s	Zn-ppm s	Zr-ppm s	Au-ppm aa
80Y106	N	15	N	700	200	15	N	50	--
80Y118	N	30	N	150	700	30	200	70	--
80Y120	15	20	N	N	150	30	N	200	--
80Y125	N	N	N	N	15	<10	N	30	--
80Y130	N	10	N	500	100	15	N	70	--
80Y131	15	10	N	500	100	10	N	100	--
80Y138	10	15	N	N	150	10	N	100	--
80Y147	10	10	N	<100	100	15	N	100	--
80Y154	10	15	N	<100	150	20	N	70	--
80Y161	20	20	N	300	500	30	N	150	--
80Y165	N	10	N	N	70	N	N	N	--
80Y169	15	15	N	100	50	15	N	100	--
80Y183	N	20	N	500	200	20	N	70	--
81P202	20	5	N	N	100	<10	N	50	--
81P203A	1,000	N	N	N	10	N	N	20	--
81P204	15	<5	N	N	10	N	N	10	--
81S184	15	7	N	N	100	20	N	50	--
81S203A	20	20	N	N	300	20	N	150	--
81S203B	<10	<5	N	N	15	N	N	10	--
81S204	N	7	N	N	20	N	N	N	--
81S251A	15	5	N	N	200	N	N	<10	--
81S251B	10	20	15	N	700	N	N	15	--

Table 5.--Results of stream-sediment nonmagnetic, heavy-mineral concentrate analyses for samples from Bald Rock, Bucks Lake, Chips Creek, and Middle Fork Feather River Roadless Areas

[First two digits of sample number indicate year of collection; letters indicate collector; P, H. Pietropaoli; S, M. L. Sorensen; Y, E. B. Yates; last three digits indicate sample site. Qualifying codes in analytical data are defined as follows: N, not detected at the limit of analytical detection; <, detected, but below the lower limit of analytical determination; >, detected but above the upper limit of analytical determination; --, no analysis performed]

Sample	UTM EAST	UTM NORTH	Ca-ppt. s	Fe-ppt. s	Mg-ppt. s	Ti-pct. s	Ag-pptm s	As-pptm s	Au-pptm s	B-pptm s	Ba-pptm s	Be-pptm s
80P001C	648,146	4,396,800	3.00	2.00	5.00	2.000	N	N	N	150	100	N
80P002C	648,560	4,396,470	3.00	2.00	.30	>2.000	N	N	N	<20	50	N
80P003C	648,475	4,395,880	3.00	1.00	.15	>2.000	N	N	N	<20	70	N
80P004C	646,000	4,392,780	3.00	1.50	.50	>2.000	N	N	N	20	100	N
80P005C	645,430	4,391,680	3.00	5.00	.50	1.500	N	N	N	20	300	N
80P006C	646,802	4,389,592	2.00	2.00	.30	>2.000	N	N	N	<20	100	N
80P007C	648,415	4,389,900	5.00	3.00	.50	>2.000	N	N	N	<20	70	N
80P008C	648,990	4,389,870	5.00	1.00	.50	>2.000	N	N	N	20	70	N
80P009C	649,080	4,391,060	5.00	2.00	5.00	2.000	N	N	N	100	200	N
80P010C	649,700	4,391,770	--	--	--	--	--	--	--	--	--	--
80P011C	649,689	4,391,751	3.00	2.00	.30	>2.000	N	N	N	20	50	N
80P013C	649,385	4,391,661	--	--	--	--	--	--	--	--	--	--
80P014C	649,000	4,391,125	3.00	5.00	3.00	>2.000	N	500	N	500	300	N
80P015C	655,425	4,400,045	3.00	3.00	2.00	2.000	N	N	N	50	500	N
80P016C	654,785	4,400,600	--	--	--	--	--	--	--	--	--	--
80P017C	654,845	4,400,740	--	--	--	--	--	--	--	--	--	--
80P018C	653,980	4,399,400	5.00	3.00	.70	>2.000	N	N	N	30	200	N
80P019C	654,050	4,399,160	3.00	1.00	.20	>2.000	N	N	<20	<20	50	N
80P020C	654,280	4,399,260	3.00	3.00	1.00	>2.000	N	N	N	20	200	N
80P021C	653,725	4,399,455	3.00	1.00	.20	>2.000	N	N	N	<20	50	N
80P022C	649,510	4,398,685	5.00	5.00	1.50	>2.000	N	N	N	30	500	N
80P023C	649,300	4,398,500	3.00	5.00	2.00	2.000	N	N	N	70	500	N
80P024C	648,300	4,397,880	5.00	3.00	5.00	>2.000	N	N	N	50	300	N
80P025C	648,060	4,397,780	3.00	3.00	5.00	2.000	N	N	N	100	300	N
80P026C	654,700	4,398,700	3.00	2.00	.30	>2.000	N	N	<20	20	150	N
80P027C	654,900	4,398,720	5.00	3.00	.50	>2.000	N	N	N	20	200	N
80P028C	655,035	4,398,880	5.00	3.00	.50	>2.000	N	N	N	70	300	N
80P029C	648,619	4,390,430	3.00	1.00	.20	>2.000	N	N	N	<20	150	N
80P030C	648,365	4,390,070	3.00	2.00	.50	>2.000	N	N	N	<20	100	N
80P031C	656,880	4,405,790	--	--	--	--	--	--	--	--	--	--
80P032C	656,750	4,405,710	3.00	.70	3.00	2.000	2.0	N	N	30	N	N
80P033C	657,020	4,405,170	5.00	3.00	1.50	2.000	N	N	N	70	50	N
80P034C	657,605	4,404,605	7.00	3.00	.50	.500	N	N	N	70	300	N
80P035C	657,905	4,404,855	3.00	7.00	.50	>2.000	N	N	N	50	500	N
80P036C	657,805	4,405,100	3.00	7.00	.70	>2.000	N	N	N	50	500	N
80P037.1C	656,900	4,404,400	--	--	--	--	--	--	--	--	--	--
80P037.2C	657,050	4,404,305	--	--	--	--	--	--	--	--	--	--
80P038C	656,650	4,403,600	--	--	--	--	--	--	--	--	--	--
80P039C	656,450	4,403,455	--	--	--	--	--	--	--	--	--	--
80P040C	656,500	4,402,650	--	--	--	--	--	--	--	--	--	--
80P041C	661,520	4,405,930	3.00	2.00	1.00	>2.000	N	N	N	30	500	N
80P042C	661,780	4,405,860	5.00	3.00	2.00	>2.000	N	N	200	70	500	N
80P043C	662,410	4,405,935	7.00	3.00	5.00	1.500	N	N	N	100	200	N
80P044C	662,440	4,405,965	7.00	3.00	3.00	1.500	N	N	N	100	300	N
80P046C	662,870	4,405,900	7.00	3.00	2.00	2.000	N	N	N	50	100	N

Sample	Bi-ppm s	Co-ppm s	Cr-ppm s	Cu-ppm s	La-ppm s	Mn-ppm s	Mo-ppm s	Nb-ppm s	Ni-ppm s	Pb-ppm s	Sc-ppm s	Sn-ppm s
80P001C	N	50	200	<10	50	700	N	N	700	300	--	N
80P002C	N	10	200	<10	300	500	N	N	N	70	--	N
80P003C	N	N	50	<10	200	500	N	N	N	70	--	<20
80P004C	N	30	100	100	200	700	N	N	N	100	--	<20
80P005C	N	10	50	<10	>2,000	7,000	N	N	N	--	--	N
80P006C	N	N	70	<10	200	500	N	<50	N	70	--	N
80P007C	N	30	500	<10	100	700	N	70	N	50	--	N
80P008C	N	N	150	<10	200	500	10	100	N	100	--	20
80P009C	N	30	500	20	<50	700	N	50	500	100	--	N
80P010C	--	--	--	--	--	--	--	--	--	--	--	--
80P011C	N	10	200	15	70	700	N	<50	N	20	--	N
80P013C	--	--	--	--	--	--	N	--	--	--	--	--
80P014C	N	50	300	30	50	2,000	N	50	200	150	--	N
80P015C	N	20	200	30	50	1,000	N	50	150	100	--	N
80P016C	--	--	--	--	--	--	--	--	--	--	--	--
80P017C	--	--	--	--	--	--	--	--	--	--	--	--
80P018C	N	30	150	10	70	700	N	100	20	70	--	N
80P019C	N	N	50	<10	150	500	N	100	N	50	--	N
80P020C	N	100	300	50	100	700	N	100	100	100	--	N
80P021C	N	15	50	<10	150	300	10	500	N	100	--	N
80P022C	N	50	200	100	150	1,000	N	100	70	150	--	N
80P023C	20	30	300	150	150	1,000	N	50	150	150	--	N
80P024C	N	50	300	50	100	1,000	N	50	200	100	--	N
80P025C	N	70	2,000	70	50	1,000	N	<50	700	70	--	N
80P026C	N	N	100	10	200	500	10	150	N	100	--	N
80P027C	N	10	150	<10	100	700	N	100	N	70	--	N
80P028C	N	10	200	10	100	700	N	70	30	70	--	N
80P029C	N	N	70	<10	150	500	<10	50	N	30	--	<20
80P030C	N	N	100	10	700	700	N	<50	N	50	--	N
80P031C	--	--	--	--	--	--	--	--	--	--	--	--
80P032C	N	50	700	20	50	500	N	50	300	100	20	N
80P033C	N	10	300	15	<50	1,000	N	N	150	20	--	N
80P034C	N	10	70	15	<50	2,000	N	N	20	70	--	N
80P035C	N	150	150	150	50	700	N	50	100	20	--	N
80P036C	N	200	150	300	50	500	N	N	150	20	--	N
80P037.1C	--	--	--	--	--	--	--	--	--	--	--	--
80P037.2C	--	--	--	--	--	--	--	--	--	--	--	--
80P038C	--	--	--	--	--	--	--	--	--	--	--	--
80P039C	--	--	--	--	--	--	--	--	--	--	--	--
80P040C	--	--	--	--	--	--	--	--	--	--	--	--
80P041C	20	20	300	70	150	700	N	<50	50	500	--	200
80P042C	N	20	300	70	200	700	N	50	50	300	--	200
80P043C	N	30	300	100	100	700	N	N	150	20	--	N
80P044C	N	30	500	70	100	1,000	N	<50	150	100	--	20
80P046C	N	30	200	30	50	700	N	<50	100	N	--	N

Sample	Sr-ppm s	Th-ppm s	V-ppm s	W-ppm s	Y-ppm s	Zn-ppm s	Zr-ppm s	Au-ppm as	Pd-ppm as	Rh-ppm as
80P001C	200	N	100	N	70	N	>2,000	--	--	--
80P002C	200	N	200	N	300	N	>2,000	--	--	--
80P003C	<200	N	300	N	500	N	>2,000	--	--	--
80P004C	N	N	300	N	500	N	>2,000	--	--	--
80P005C	1,000	300	100	N		N	>2,000	--	--	--
80P006C	<200	N	200	N	700	N	>2,000	--	--	--
80P007C	500	N	300	N	500	N	>2,000	--	--	--
80P008C	N	N	300	N	700	N	>2,000	--	N	N
80P009C	200	N	150	N	50	N	--	N	--	--
80P010C	--	--	--	--	--	--	--	--	--	--
80P011C	300	N	200	N	300	N	>2,000	.060	N	.004
80P013C	--	--	300	N	150	N	>2,000	--	--	--
80P014C	200	N	200	N	100	N	>2,000	--	.001	N
80P015C	500	N	--	--	--	--	--	10.000	.001	N
80P016C	--	--	--	--	--	--	--	--	--	--
80P017C	--	--	--	--	--	--	>2,000	--	--	--
80P018C	300	N	200	N	300	N	>2,000	--	--	--
80P019C	<200	N	300	N	500	N	>2,000	--	--	--
80P020C	500	N	200	N	700	N	>2,000	--	--	--
80P021C	<200	N	500	N		N	1,500	--	--	--
80P022C	500	N	200	N	100	N	700	--	--	--
80P023C	700	N	200	N	70	N	1,500	--	--	--
80P024C	500	N	200	N	100	N	2,000	--	--	--
80P025C	500	N	200	N	70	N	2,000	--	--	--
80P026C	500	N	500	N	500	N		--	--	--
80P027C	1,000	N	200	N	150	N	1,500	--	--	--
80P028C	700	N	200	N	100	N	1,500	--	--	--
80P029C	200	<200	300	N	500	N	>2,000	--	--	N
80P030C	200	700	300	N	500	N	--	1.000	.002	--
80P031C	--	--	--	--	--	--	--	--	--	--
80P032C	200	N	150	<100	100	N	500	--	--	--
80P033C	300	N	300	N	50	N	2,000	--	--	--
80P034C	1,500	N	200	N	100	N	>2,000	--	--	--
80P035C	500	N	200	N	70	N	1,000	--	--	--
80P036C	500	N	200	N	70	N	1,500	--	--	--
80P037.1 C	--	--	--	--	--	--	--	.020	.005	N
80P037.2 C	--	--	--	--	--	--	--	3.000	N	N
80P038C	--	--	--	--	--	--	--	.070	.015	N
80P039C	--	--	--	--	--	--	--	1.500	.005	N
80P040C	--	--	--	--	--	--	--	N	.005	N
80P041C	300	N	200	200	200	N	>2,000	--	--	--
80P042C	300	N	200	200	200	N	>2,000	--	--	--
80P043C	300	N	200	200	100	N	>2,000	--	--	--
80P044C	300	N	200	200	100	N	>2,000	--	--	--
80P046C	300	N	300	300	70	N	>2,000	--	--	--

Sample	UTM EAST	UTM NORTH	Ca-pct. s	Fe-pct. s	Mg-pct. s	Ti-pct. s	Ag-pptm s	As-pptm s	Au-pptm s	B-pptm s	Ba-pptm s	Be-pptm s
80P047C	663,675	4,410,960	7.00	2.00	1.50	2.000	N	N	N	20	200	N
80P048C	663,485	4,411,030	5.00	3.00	1.50	2.000	N	N	N	100	150	N
80P049C	663,280	4,410,770	5.00	3.00	.30	2.000	N	N	N	100	700	N
80P050C	663,250	4,410,900	5.00	3.00	1.50	2.000	N	N	N	70	500	N
80P051C	663,000	4,411,523	3.00	2.00	1.00	2.000	N	N	N	200	1,000	N
80P052C	662,840	4,411,580	5.00	3.00	2.00	1.500	N	N	N	300	1,000	<2
80P053C	663,090	4,411,860	3.00	1.00	.70	2.000	1.0	N	N	100	200	N
80P054C	662,970	4,412,010	5.00	2.00	1.00	1.500	N	N	N	50	300	N
80P056C	668,880	4,409,245	5.00	5.00	1.50	2.000	N	N	N	50	500	N
80P057C	670,520	4,409,220	5.00	5.00	1.00	2.000	N	N	N	50	1,000	N
80P058C	670,890	4,409,870	7.00	3.00	5.00	2.000	<1.0	N	N	50	500	N
80P059C	671,540	4,409,820	10.00	.70	1.00	2.000	N	N	N	70	500	N
80P060C	671,585	4,409,895	5.00	2.00	10.00	2.000	N	N	N	50	200	N
80P061C	670,280	4,409,210	1.00	2.00	.70	>2.000	N	N	N	200	1,000	N
80P062C	669,760	4,409,830	5.00	1.50	1.00	2.000	N	N	N	50	500	N
80P063C	678,330	4,415,150	.20	1.50	.70	2.000	N	N	N	200	5,000	<2
80P064C	678,325	4,415,050	.20	1.50	.30	>2.000	N	N	N	200	1,000	N
80P065C	679,115	4,414,380	.30	1.50	.20	>2.000	N	N	N	500	1,000	N
80P066C	679,040	4,414,365	.50	2.00	.20	>2.000	5.0	N	20	300	10,000	<2
80P067C	679,460	4,413,520	.20	5.00	.30	>2.000	15.0	N	100	200	7,000	<2
80P068C	679,520	4,413,510	1.50	3.00	.30	2.000	5.0	2,000	30	300	1,500	<2
80P069C	679,580	4,413,510	.20	2.00	.20	2.000	15.0	N	150	200	3,000	N
80P071C	673,195	4,406,830	---	---	---	---	---	---	---	---	---	---
80P072C	673,690	4,406,560	3.00	1.00	3.00	2.000	3.0	N	20	20	300	N
80P073C	673,935	4,406,730	---	---	---	---	---	---	---	---	---	---
80P074C	674,605	4,406,810	---	---	---	---	---	---	---	---	---	---
80P076C	671,970	4,411,230	5.00	1.00	.50	2.000	10.0	N	50	50	200	N
80P077C	676,255	4,406,920	5.00	2.00	5.00	1.000	N	N	N	30	100	N
80P078C	676,320	4,406,865	3.00	1.00	2.00	2.000	500.0	N	1,000	50	200	N
80P079C	675,760	4,406,170	---	---	---	---	---	---	---	---	---	---
80P080C	675,705	4,406,130	N	.0	N	---	---	---	---	---	---	---
80P081C	675,115	4,406,755	N	N	N	---	---	---	---	---	---	---
80P082C	674,700	4,406,940	---	---	---	---	---	---	---	---	---	---
80P083C	675,785	4,406,295	5.00	1.50	3.00	2.000	7.0	N	50	50	500	N
80P087C	679,850	4,412,880	7.00	1.50	7.00	1.500	7.0	N	100	30	700	<2
80P088C	680,540	4,412,815	1.00	1.50	.70	>2.000	2.0	N	<20	100	1,500	N
80P089C	681,450	4,412,930	<.10	1.00	.30	>2.000	50.0	N	100	500	1,000	N
80P090C	682,645	4,413,980	5.00	1.50	.50	2.000	300.0	N	1,000	100	500	<2
80P091C	677,630	4,415,990	.20	1.00	.30	>2.000	5.0	N	30	300	>10,000	<2
80P092C	677,660	4,416,100	.10	7.00	.30	2.000	5.0	N	20	200	10,000	<2
80P095C	673,830	4,412,220	---	---	---	---	---	---	---	---	---	---
80P098C	669,300	4,409,920	2.00	7.00	.70	2.000	1.0	N	N	100	1,000	<2
80P099C	673,545	4,412,110	---	---	---	---	---	---	---	---	---	---
80P101C	673,790	4,412,640	---	---	---	---	---	---	---	---	---	---
80P102C	659,950	4,418,840	2.00	1.00	.30	1.500	N	N	N	30	<50	N

Sample	Bi-ppm s	Co-ppm s	Cr-ppm s	Cu-ppm s	La-ppm s	Mn-ppm s	Mo-ppm s	Nb-ppm s	Ni-ppm s	Pb-ppm s	Sc-ppm s	Sn-ppm s
80P047C	N	20	200	20	150	700	N	50	20	N	--	N
80P048C	N	30	200	50	150	700	N	N	70	N	--	N
80P049C	N	30	100	50	100	700	N	50	N	30	--	N
80P050C	N	20	300	50	100	1,000	N	50	70	50	--	N
80P051C	N	20	150	20	70	1,000	N	50	30	20	--	N
80P052C	N	30	300	30	70	1,000	N	N	150	20	--	N
80P053C	N	20	200	15	200	300	N	<50	50	50	N	N
80P054C	N	50	200	50	150	500	N	<50	50	50	N	N
80P056C	N	70	500	200	200	700	<10	<50	70	300	20	200
80P057C	N	30	300	200	200	700	<10	50	50	1,000	10	20
80P058C	N	50	1,000	70	70	700	N	<50	200	70	20	N
80P059C	N	10	150	20	150	500	N	50	<10	100	N	N
80P060C	N	50	2,000	30	70	700	N	<50	500	50	30	N
80P061C	N	30	200	50	100	500	10	100	30	300	20	20
80P062C	N	30	200	50	200	700	10	50	N	100	<10	100
80P063C	N	20	200	70	200	500	N	70	30	200	15	<20
80P064C	N	30	700	50	300	300	N	100	N	300	30	N
80P065C	N	20	200	30	500	500	N	50	30	200	15	N
80P066C	N	30	300	500	500	500	N	50	50	150	50	<20
80P067C	N	30	300	150	500	500	<10	70	70	200	20	<20
80P068C	N	30	300	70	500	500	N	50	50	200	20	N
80P069C	N	20	500	70	500	500	N	50	50	70	50	N
80P071C	--	--	--	--	--	--	--	--	--	--	--	--
80P072C	N	70	700	150	70	500	N	50	100	200	15	300
80P073C	--	--	--	--	--	--	--	--	--	--	--	--
80P074C	--	--	--	--	--	--	--	--	--	--	--	--
80P076C	N	30	150	100	200	500	N	<50	30	300	30	200
80P077C	N	50	1,000	15	70	500	N	<50	150	150	20	N
80P078C	N	70	2,000	50	100	500	N	70	200	300	15	150
80P079C	--	--	--	--	--	--	--	--	--	--	--	--
80P080C	--	--	--	--	--	--	--	--	--	--	--	--
80P081C	--	--	--	--	--	--	--	--	--	--	--	--
80P082C	--	--	--	--	--	--	--	--	--	--	--	--
80P083C	N	50	500	10	150	700	<10	70	150	70	15	<20
80P087C	N	30	1,000	10	100	500	N	50	100	300	30	N
80P088C	N	50	3,000	20	150	500	N	100	70	300	30	20
80P089C	N	20	300	10	1,000	200	N	70	N	200	50	<20
80P090C	N	50	150	150	200	700	N	50	50	300	20	100
80P091C	N	30	1,000	30	500	500	N	100	20	200	20	<20
80P092C	N	30	200	150	1,000	700	15	50	100	200	20	20
80P095C	--	--	--	--	--	--	--	--	--	--	--	--
80P098C	N	30	500	50	200	700	N	70	100	300	20	<20
80P099C	--	--	--	--	--	--	--	--	--	--	--	--
80P101C	--	--	--	--	--	--	--	--	--	--	--	--
80P102C	N	10	200	<10	100	300	N	N	20	30	20	N

Sample	Sr-ppm s	Th-ppm s	V-ppm s	W-ppm s	Y-ppm s	Zn-ppm s	Zr-ppm s	Au-ppm as	Pd-ppm as	Rh-ppm as
80P047C	1,000	N	150	N	150	N	>2,000	--	--	--
80P048C	1,000	N	150	N	100	N	>2,000	--	--	--
80P049C	1,500	N	150	N	70	N	1,000	--	--	--
80P050C	1,000	N	200	N	70	N	2,000	--	--	--
80P051C	1,500	N	150	N	100	N	2,000	--	--	--
80P052C	1,500	N	150	100	30	N	1,000	--	--	--
80P053C	500	<200	100	N	200	N	>2,000	--	--	--
80P054C	700	<200	100	N	100	N	>2,000	--	--	--
80P056C	300	<200	200	<100	300	N	>2,000	--	--	--
80P057C	300	<200	200	N	200	N	>2,000	--	--	--
80P058C	300	N	150	N	100	N	2,000	--	--	--
80P059C	500	N	150	N	200	N	2,000	--	--	--
80P060C	300	N	150	N	70	N	2,000	--	--	--
80P061C	N	N	200	N	150	N	1,500	--	--	--
80P062C	300	200	150	100	200	N	>2,000	--	--	--
80P063C	200	<200	150	N	200	N	>2,000	--	--	--
80P064C	<200	<200	150	N	300	N	>2,000	--	--	--
80P065C	200	N	150	N	200	N	>2,000	--	--	--
80P066C	200	<200	100	N	500	<500	>2,000	--	--	--
80P067C	200	<200	150	N	300	<500	>2,000	--	--	--
80P068C	300	N	150	N	200	N	2,000	--	--	--
80P069C	200	N	150	N	300	N	>2,000	--	N	N
80P071C	--	--	--	--	--	--	--	.010	--	--
80P072C	300	N	150	150	70	N	2,000	--	N	N
80P073C	--	--	--	--	--	--	--	.007	--	--
80P074C	--	--	--	--	--	--	--	.100	N	N
80P076C	300	500	150	150	300	N	>2,000	--	--	--
80P077C	500	200	150	N	150	N	>2,000	--	--	--
80P078C	200	N	100	<100	200	N	>2,000	--	N	N
80P079C	--	--	--	--	--	--	--	N	--	--
80P080C	--	--	--	--	--	--	--	--	--	--
80P081C	--	--	--	--	--	--	--	--	N	N
80P082C	--	--	--	--	--	--	--	--	--	--
80P083C	500	N	150	N	100	N	>2,000	--	--	--
80P087C	500	N	100	200	150	N	>2,000	--	--	--
80P088C	200	N	150	N	300	N	>2,000	--	--	--
80P089C	<200	300	100	N	700	N	>2,000	--	--	--
80P090C	500	N	150	200	200	N	>2,000	--	--	--
80P091C	<200	200	100	N	500	N	>2,000	--	--	--
80P092C	<200	200	150	N	150	<500	>2,000	--	--	--
80P095C	--	--	--	--	--	--	--	10.000	N	N
80P098C	300	N	200	N	100	N	1,000	--	--	--
80P099C	--	--	--	--	--	--	--	25.000	N	N
80P101C	--	--	--	--	--	--	--	N	.003	N
80P102C	300	<200	150	N	200	N	>2,000	--	--	--

Sample	UTM EAST	UTM NORTH	Ca-ppt. s	Fe-ppt. s	Mg-ppt. s	Ti-ppt. s	Ag-ppt. s	As-ppt. s	Au-ppt. s	B-ppt. s	Ba-ppt. s	Be-ppt. s
80P103C	658,340	4,419,940	2.00	.50	.30	2.000	N	N	N	30	N	N
80P104C	658,230	4,420,090	.70	.10	.20	2.000	N	N	N	20	N	N
80P105C	657,980	4,419,240	.70	.10	.10	2.000	N	N	N	<20	N	N
80P107C	658,000	4,418,650	1.00	.10	.20	2.000	N	N	N	<20	N	N
80P108C	657,500	4,417,700	1.50	.20	.20	2.000	N	N	N	<20	N	N
80P109C	657,430	4,417,890	.70	.10	.15	2.000	N	N	N	<20	N	N
80P110C	656,960	4,417,965	.50	.30	.30	1.000	N	N	N	<20	N	N
80P111C	652,790	4,423,360	.70	.30	.30	.700	N	N	N	20	N	N
80P113C	653,655	4,424,105	.50	.20	.20	.500	N	N	N	20	N	N
80P114C	654,160	4,422,800	2.00	.50	.70	1.500	N	N	N	20	N	N
80P115C	654,095	4,422,710	1.50	2.00	1.00	.500	N	N	N	20	70	<2
80P116C	654,530	4,422,360	1.50	2.00	1.50	.500	N	N	N	20	70	<2
80P117C	661,450	4,420,950	2.00	3.00	1.50	1.500	N	N	N	<20	50	<2
80P118C	658,020	4,428,600	3.00	3.00	7.00	.300	N	N	N	<20	<50	<2
80P119C	657,940	4,428,670	2.00	5.00	7.00	1.500	20.0	N	1,000	70	70	<2
80P120C	657,915	4,428,420	5.00	5.00	3.00	1.000	N	N	N	70	200	<2
80P121C	657,640	4,428,340	3.00	2.00	7.00	2.000	N	N	200	70	50	<2
80P122C	657,580	4,428,215	5.00	3.00	7.00	.500	N	N	<20	50	150	<2
80P123C	657,185	4,428,215	7.00	5.00	5.00	1.000	N	N	<20	150	300	<2
80P124C	657,200	4,428,275	5.00	3.00	7.00	2.000	N	N	<20	30	70	<2
80P125C	656,360	4,428,520	5.00	2.00	7.00	1.500	1,000.0	N	>1,000	30	50	<2
80P126C	656,360	4,428,570	5.00	3.00	7.00	1.500	<1.0	N	<20	20	50	<2
80P129C	655,115	4,430,380	--	--	--	--	--	--	--	--	--	--
80P130C	655,930	4,430,510	--	--	--	--	--	--	--	--	--	--
80P131C	656,165	4,430,820	--	--	--	--	--	--	--	--	--	--
80P133C	651,735	4,430,490	7.00	3.00	2.00	>2.000	N	N	N	70	200	<2
80P134C	652,125	4,430,120	.50	15.00	.50	2.000	<1.0	N	N	150	2,000	<2
80P135C	649,445	4,429,520	3.00	1.50	1.00	>2.000	N	N	N	20	100	N
80P136C	649,950	4,429,450	3.00	2.00	1.50	>2.000	N	N	N	50	100	N
80P137C	648,900	4,429,150	3.00	5.00	.70	>2.000	N	N	N	150	1,000	N
80P138C	647,955	4,428,850	3.00	5.00	.50	1.500	N	N	N	100	1,000	N
80P139C	647,800	4,428,800	3.00	5.00	.70	1.500	N	N	N	100	700	N
80P140C	646,280	4,427,100	3.00	3.00	3.00	>2.000	N	N	N	2,000	100	N
80P141C	646,260	4,427,240	2.00	2.00	.50	>2.000	N	N	N	70	50	N
80P144C	646,760	4,426,890	3.00	3.00	3.00	2.000	N	N	N	50	70	N
80P146C	647,140	4,426,300	5.00	1.00	.30	>2.000	N	N	N	<20	<50	N
80P147C	645,640	4,424,430	5.00	1.50	.70	>2.000	N	N	N	50	50	N
80P148C	645,520	4,424,400	3.00	3.00	1.50	>2.000	N	N	N	150	<50	N
80P149C	644,950	4,423,500	5.00	5.00	3.00	>2.000	N	N	N	500	150	N
80P150C	644,105	4,422,400	5.00	2.00	1.50	>2.000	N	N	N	300	100	N
80P151C	644,450	4,436,900	5.00	5.00	7.00	.150	N	N	N	<20	<50	N
80P152C	644,800	4,436,650	5.00	3.00	7.00	1.000	N	N	N	<20	70	N
80P153C	645,650	4,436,750	5.00	3.00	5.00	1.500	N	N	N	30	50	N
80P154C	646,250	4,436,750	5.00	3.00	7.00	.700	N	N	N	30	100	N
80P156C	646,050	4,436,300	3.00	3.00	3.00	>2.000	N	N	N	100	100	N

Sample	Bi-ppm _s	Co-ppm _s	Cr-ppm _s	Cu-ppm _s	La-ppm _s	Mn-ppm _s	Mo-ppm _s	Nb-ppm _s	Ni-ppm _s	Pb-ppm _s	Sc-ppm _s	Sn-ppm _s
80P103C	N	<10	150	<10	200	200	<10	N	N	20	20	N
80P104C	N	N	70	<10	200	200	N	N	N	30	30	N
80P105C	N	N	70	10	200	200	N	N	N	<20	20	N
80P107C	N	N	50	10	200	200	N	N	N	20	20	N
80P108C	N	N	100	10	300	200	N	<50	N	20	20	N
80P109C	N	N	100	<10	200	200	N	N	N	<20	20	N
80P110C	N	N	70	10	100	300	N	N	30	30	30	N
80P111C	N	<10	100	<10	70	300	N	N	30	50	20	N
80P113C	N	<10	70	10	150	200	N	N	20	<20	15	N
80P114C	N	20	150	10	150	500	N	N	50	150	15	N
80P115C	N	20	150	<10	N	700	N	N	100	20	--	N
80P116C	N	20	150	10	N	700	N	N	70	N	--	N
80P117C	N	20	300	<10	100	700	N	N	50	N	--	N
80P118C	N	70	2,000	15	<50	1,000	N	N	1,000	N	--	N
80P119C	N	100	>10,000	10	2,000	1,000	N	100	1,500	20	--	N
80P120C	N	30	500	30	100	1,000	N	N	500	100	--	N
80P121C	N	50	700	<10	300	700	N	50	700	20	--	50
80P122C	N	50	700	20	<50	1,500	N	N	1,000	20	--	N
80P123C	N	50	700	50	50	1,500	N	N	700	150	--	N
80P124C	N	70	1,000	10	150	1,000	N	50	1,000	50	--	N
80P125C	N	50	1,000	10	200	1,000	N	<50	1,000	30	--	N
80P126C	N	50	700	10	N	1,000	N	N	1,000	50	--	N
80P129C	--	--	--	--	--	--	--	--	--	--	--	--
80P130C	--	--	--	--	--	--	--	--	--	--	--	--
80P131C	--	--	--	--	--	--	--	--	--	--	--	--
80P133C	N	30	150	10	200	1,500	15	50	200	70	--	N
80P134C	N	30	500	500	150	2,000	30	70	150	300	--	N
80P135C	N	20	150	<10	300	500	15	70	70	50	--	20
80P136C	N	20	200	20	300	500	10	50	100	50	--	<20
80P137C	N	15	200	1,000	200	1,000	10	70	50	300	--	<20
80P138C	N	20	150	150	100	1,500	<10	70	70	700	--	100
80P139C	N	30	100	200	150	1,500	N	50	70	200	--	N
80P140C	30	50	1,000	10	150	1,000	N	100	300	70	--	N
80P141C	N	15	100	<10	150	700	N	N	N	20	--	N
80P144C	N	70	200	100	200	700	<10	<50	150	200	--	N
80P146C	N	N	150	<10	500	500	30	70	N	100	--	<20
80P147C	N	N	200	<10	500	500	30	70	N	100	--	20
80P148C	N	15	200	10	300	500	<10	70	20	20	--	<20
80P149C	N	50	300	30	200	700	<10	70	150	100	--	N
80P150C	N	20	150	300	300	700	10	50	30	700	--	100
80P151C	N	70	2,000	50	N	1,500	N	N	500	30	--	N
80P152C	N	70	1,500	30	N	1,000	N	<50	1,000	50	--	N
80P153C	N	30	1,000	30	N	1,000	N	<50	150	70	--	N
80P154C	N	50	1,500	20	N	1,000	N	N	500	50	--	N
80P156C	N	30	700	10	<50	500	N	70	200	100	--	N

Sample	Sr-ppm s	Th-ppm s	V-ppm s	W-ppm s	Y-ppm s	Zn-ppm s	Zr-ppm s	Au-ppm as	Pd-ppm as	Rh-ppm as
80P103C	N	N	150	N	300	N	>2,000	--	--	--
80P104C	N	<200	100	N	300	N	>2,000	--	--	--
80P105C	N	<200	150	N	200	N	>2,000	--	--	--
80P107C	N	N	150	N	200	N	>2,000	--	--	--
80P108C	N	N	150	N	300	N	>2,000	--	--	--
80P109C	N	N	150	N	200	N	>2,000	--	--	--
80P110C	N	<200	100	N	200	N	>2,000	--	--	--
80P111C	300	N	150	N	200	N	>2,000	--	--	--
80P113C	N	N	100	N	200	N	>2,000	--	--	--
80P114C	500	N	150	N	150	N	>2,000	--	--	--
80P115C	300	N	150	N	150	N	>2,000	--	--	--
80P116C	300	N	150	N	150	N	>2,000	--	--	--
80P117C	500	N	150	N	200	N	>2,000	--	--	--
80P118C	N	N	150	N	20	N	>2,000	--	--	--
80P119C	N	N	200	N	200	N	>2,000	--	--	--
80P120C	1,000	N	200	N	50	N	1,500	--	--	--
80P121C	<200	N	100	N	150	N	>2,000	--	--	--
80P122C	200	N	200	N	30	N	300	--	--	--
80P123C	700	N	200	N	50	N	1,000	--	--	--
80P124C	200	N	150	N	70	N	>2,000	--	--	--
80P125C	200	N	100	N	50	N	>2,000	--	--	--
80P126C	200	N	150	N	70	N	500	--	--	--
80P129C	--	--	--	--	--	--	--	7.000	N	N
80P130C	--	--	--	--	--	--	--	.060	N	N
80P131C	--	--	--	--	--	--	--	N	N	N
80P133C	200	N	300	N	300	N	>2,000	--	--	--
80P134C	<200	N	200	N	150	700	1,500	--	--	--
80P135C	N	N	300	N	500	N	>2,000	--	--	--
80P136C	200	N	200	N	300	N	>2,000	--	--	--
80P137C	1,000	N	300	N	200	N	2,000	--	--	--
80P138C	1,000	N	500	N	150	N	1,500	--	--	--
80P139C	1,000	N	200	N	150	N	1,500	--	--	--
80P140C	200	N	200	200	100	N	>2,000	--	--	--
80P141C	300	N	200	N	300	N	>2,000	--	--	--
80P144C	300	N	200	N	200	N	>2,000	--	--	--
80P146C	N	N	500	N	700	N	>2,000	--	--	--
80P147C	N	N	500	N	700	N	>2,000	--	--	--
80P148C	<200	200	200	N	500	N	>2,000	--	--	--
80P149C	700	N	300	N	200	N	>2,000	--	--	--
80P150C	200	N	300	N	500	N	>2,000	--	--	--
80P151C	N	N	200	N	30	N	300	--	--	--
80P152C	N	N	200	N	50	N	300	--	--	--
80P153C	300	N	300	N	50	N	2,000	--	--	--
80P154C	200	N	200	N	20	N	70	--	--	--
80P156C	300	N	200	N	70	N	300	--	--	--

Sample	UTM EAST	UTM NORTH	Ca-ppm s	Fe-ppm s	Mg-ppm s	Ti-ppm s	Ag-ppm s	As-ppm s	Au-ppm s	B-ppm s	Ba-ppm s	Be-ppm s
80P157C	647,350	4,436,050	3.00	1.50	.70	>2.000	N	N	N	70	70	N
80P158C	647,350	4,435,450	3.00	2.00	2.00	>2.000	N	N	N	70	500	N
80P159C	647,000	4,435,050	.20	5.00	-.30	>2.000	N	N	N	150	1,000	N
80P161C	645,950	4,433,605	5.00	5.00	3.00	1.500	10.0	N	<20	30	100	N
80P162C	645,755	4,433,500	7.00	5.00	1.00	1.000	1.0	N	<20	150	150	N
80P163C	645,000	4,433,950	5.00	5.00	.70	1.500	200.0	N	N	150	150	N
80P164C	644,100	4,434,105	5.00	5.00	1.50	.700	N	N	N	70	150	N
80P165C	634,405	4,427,200	7.00	3.00	1.00	1.500	N	N	N	50	200	N
80P167C	635,155	4,427,200	2.00	.50	.20	>2.000	N	N	N	<20	<50	N
80P168C	636,105	4,427,600	2.00	.70	.30	>2.000	N	N	N	<20	70	N
80P169C	636,300	4,427,800	3.00	2.00	2.00	>2.000	N	N	N	20	100	N
80P170C	636,350	4,427,100	5.00	1.50	.70	>2.000	N	N	N	20	70	N
80P171C	637,355	4,428,100	7.00	3.00	1.00	.700	N	N	N	70	300	N
80P172C	640,070	4,424,590	.30	.20	.15	1.000	N	N	N	50	50	N
80P173C	641,650	4,423,550	.30	.20	.15	1.000	N	N	N	150	50	N
80P174C	642,450	4,424,150	2.00	1.00	.30	>2.000	N	N	N	700	50	N
80P175C	642,840	4,425,440	3.00	2.00	.70	>2.000	N	N	N	500	50	N
80P176C	642,705	4,425,480	1.00	1.00	.50	2.000	N	N	N	300	50	N
80P177C	641,305	4,424,750	1.50	1.50	.70	1.500	N	N	N	1,500	150	N
80P178C	641,050	4,424,850	1.50	1.50	5.00	2.000	N	N	N	200	50	N
80P179C	641,900	4,425,250	1.00	1.00	.50	1.500	N	N	N	500	50	N
80P180C	638,100	4,431,200	--	--	--	--	--	--	--	--	--	--
80P181C	638,905	4,431,550	--	--	--	--	--	--	--	--	--	--
80P182C	638,850	4,431,700	2.00	7.00	7.00	1.500	15.0	N	N	50	50	N
80P183C	639,250	4,432,250	3.00	5.00	5.00	1.500	1.0	N	N	30	100	N
80P184C	639,105	4,432,350	--	--	--	--	--	--	--	--	--	--
80P185C	639,250	4,432,455	3.00	5.00	5.00	1.500	N	N	N	100	200	N
80P186C	639,405	4,432,500	5.00	5.00	3.00	1.500	N	N	N	150	200	N
80P187C	639,855	4,432,605	3.00	5.00	7.00	1.500	N	N	N	100	300	N
80P188C	640,200	4,432,250	3.00	5.00	5.00	1.500	N	N	N	70	300	N
80P189C	642,400	4,432,305	5.00	3.00	3.00	1.500	N	N	N	50	70	N
80P190C	642,800	4,432,255	5.00	5.00	2.00	.700	N	N	N	50	100	N
80P191C	642,955	4,432,300	5.00	7.00	3.00	.700	N	N	N	50	100	N
80P192C	643,405	4,432,350	3.00	7.00	2.00	1.000	N	N	N	70	100	N
80P193C	644,250	4,432,250	5.00	5.00	2.00	.500	N	N	N	30	100	N
80P195C	644,555	4,432,105	--	--	--	--	--	--	--	--	--	--
80P196C	644,650	4,432,000	5.00	3.00	2.00	2.000	N	N	N	30	70	N
80P197C	644,705	4,432,200	3.00	7.00	2.00	1.000	N	N	N	50	100	N
80P198C	645,550	4,431,650	3.00	7.00	2.00	1.500	N	N	N	70	150	N
80P199C	645,555	4,431,400	3.00	3.00	2.00	1.500	N	N	N	50	150	N
80P200C	645,650	4,431,350	--	--	--	--	--	--	--	--	--	--
80P201C	645,605	4,431,255	5.00	5.00	5.00	1.500	N	N	<20	30	100	N
80S001C	648,146	4,396,800	2.00	.70	1.00	>2.000	N	N	N	20	200	N
80S002C	648,560	4,396,470	5.00	2.00	-.30	>2.000	N	N	N	20	<50	N
80S004C	648,375	4,394,560	5.00	1.00	.20	>2.000	N	N	N	<20	100	N

Sample	Bi-ppm s	Co-ppm s	Cr-ppm s	Cu-ppm s	La-ppm s	Mn-ppm s	Mo-ppm s	Nb-ppm s	Ni-ppm s	Pb-ppm s	Sc-ppm s	Sn-ppm s
80P157C	N	20	300	<10	N	500	N	100	N	70	--	N
80P158C	N	30	500	10	N	500	N	50	150	70	--	N
80P159C	N	30	500	150	100	500	10	150	150	300	--	N
80P161C	N	50	2,000	100	50	1,000	N	N	200	100	--	N
80P162C	N	30	200	70	<50	1,000	N	N	100	150	--	N
80P163C	N	100	200	150	<50	1,000	N	N	70	150	--	N
80P164C	N	30	500	70	<50	1,500	N	N	100	200	--	N
80P165C	N	20	300	30	100	700	<10	70	70	150	--	N
80P167C	N	N	100	<10	200	300	N	<50	N	50	--	N
80P168C	N	N	200	<10	200	500	<10	100	N	70	--	20
80P169C	N	20	500	10	300	700	15	70	100	100	--	30
80P170C	N	N	300	10	300	700	20	50	N	50	--	30
80P171C	N	20	150	30	<50	1,000	N	<50	150	200	--	N
80P172C	N	N	50	<10	N	150	N	N	N	30	--	N
80P173C	N	N	N	<10	70	150	N	N	N	N	--	N
80P174C	N	N	100	<10	500	500	15	70	N	N	--	N
80P175C	N	N	150	<10	500	700	30	100	N	N	--	20
80P176C	N	N	100	10	1,000	500	N	N	N	N	--	N
80P177C	N	10	150	<10	500	700	N	<50	N	N	--	N
80P178C	N	10	100	10	200	700	N	N	N	20	--	N
80P179C	N	10	100	10	100	500	N	N	N	N	--	N
80P180C	--	--	--	--	--	--	--	--	--	--	--	--
80P181C	--	--	--	--	--	--	--	--	--	--	--	--
80P182C	N	100	700	150	<50	1,000	N	N	700	N	--	N
80P183C	N	150	500	100	<50	1,000	N	N	500	200	--	N
80P184C	--	--	--	--	--	--	--	--	--	--	--	--
80P185C	N	50	700	30	70	1,000	N	50	300	20	--	N
80P186C	N	30	500	1,000	70	1,000	N	N	200	N	--	N
80P187C	N	50	700	100	50	1,500	N	50	500	20	--	N
80P188C	N	70	700	200	70	1,000	N	50	500	20	--	N
80P189C	N	30	500	50	50	1,000	N	N	150	N	--	N
80P190C	N	20	300	20	50	1,000	N	N	100	N	--	N
80P191C	N	30	300	100	<50	1,000	N	N	150	N	--	N
80P192C	N	50	500	150	50	1,500	N	N	150	N	--	N
80P193C	N	50	300	150	<50	1,000	N	N	150	N	--	N
80P195C	--	--	--	--	--	--	--	--	--	--	--	--
80P196C	N	50	300	30	200	1,000	20	150	100	N	--	<20
80P197C	N	150	300	200	50	1,000	15	<50	200	2,000	--	N
80P198C	N	200	700	700	150	1,500	30	<50	300	3,000	--	N
80P199C	N	70	300	150	100	1,000	N	50	200	300	--	N
80P200C	--	--	--	--	--	--	--	--	--	--	--	--
80P201C	N	70	300	70	100	1,500	N	100	200	200	--	N
80S001C	N	30	150	10	<50	500	N	50	300	50	--	N
80S002C	N	20	500	15	150	700	N	<50	N	70	--	N
80S004C	N	15	70	N	200	700	10	200	N	50	--	N

Sample	Sr-ppm _s	Th-ppm _s	V-ppm _s	W-ppm _s	Y-ppm _s	Zn-ppm _s	Zr-ppm _s	Au-ppm _{as}	Pd-ppm _{as}	Rh-ppm _{as}
80P157C	<200	N	200	N	20	N	100	---	---	---
80P158C	200	N	200	N	70	N	2,000	---	---	---
80P159C	200	N	300	100	100	N	1,500	---	---	---
80P161C	200	N	300	100	70	N	>2,000	---	---	---
80P162C	700	N	200	100	50	N	300	---	---	---
80P163C	700	N	300	100	50	N	1,500	---	---	---
80P164C	500	N	500	100	50	N	1,000	---	---	---
80P165C	700	N	200	100	150	N	>2,000	---	---	---
80P167C	N	200	200	N	700	N	>2,000	---	---	---
80P168C	N	500	300	N	1,000	N	>2,000	---	---	---
80P169C	200	200	300	N	1,000	N	>2,000	---	---	---
80P170C	<200	300	300	N	1,000	N	>2,000	---	---	---
80P171C	1,500	N	200	N	50	N	1,500	---	---	---
80P172C	N	700	70	N	200	N	>2,000	---	---	---
80P173C	N	500	100	N	300	N	>2,000	---	---	---
80P174C	N	200	500	N	500	N	>2,000	---	---	---
80P175C	N	N	500	N	500	N	>2,000	---	---	---
80P176C	N	300	200	N	300	N	>2,000	---	---	---
80P177C	N	200	200	N	300	N	>2,000	---	---	---
80P178C	N	500	200	N	300	N	>2,000	---	---	---
80P179C	N	300	150	N	500	N	>2,000	---	---	---
80P180C	---	---	---	---	---	---	---	N	N	N
80P181C	---	---	---	---	---	---	---	.500	.005	N
80P182C	200	N	200	N	20	N	1,500	---	---	---
80P183C	700	N	200	N	30	N	300	---	---	---
80P184C	---	---	---	---	---	---	---	N	N	N
80P185C	500	N	200	N	70	N	500	---	---	---
80P186C	500	N	500	N	100	N	700	---	---	---
80P187C	200	N	300	N	70	N	200	---	---	---
80P188C	300	N	200	N	100	N	200	---	---	---
80P189C	300	N	300	N	70	N	150	---	---	---
80P190C	700	N	200	N	50	N	500	---	---	---
80P191C	500	N	300	N	50	N	300	---	---	---
80P192C	300	N	300	N	70	N	300	---	---	---
80P193C	300	N	200	N	50	N	200	---	---	---
80P195C	---	---	---	---	---	---	---	70,000	N	N
80P196C	500	200	300	N	500	N	>2,000	---	---	---
80P197C	500	N	200	N	70	N	>2,000	---	---	---
80P198C	500	N	300	N	150	N	>2,000	---	---	---
80P199C	700	N	200	N	150	N	>2,000	---	---	---
80P200C	---	---	---	---	---	---	---	7,000	N	N
80P201C	300	N	300	N	150	N	>2,000	---	---	---
80S001C	300	N	150	N	100	N	2,000	---	---	---
80S002C	500	N	200	N	300	N	>2,000	---	---	---
80S004C	<200	N	300	N	500	N	>2,000	---	---	---

Sample	UTM EAST	UTM NORTH	Ca-ppt. s	Fe-ppt. s	Mg-ppt. s	Ti-ppt. s	Ag-ppt. s	As-ppt. s	Au-ppt. s	B-ppt. s	Ba-ppt. s	Be-ppt. s
80S006C	647,450	4,393,580	--	--	--	--	--	--	--	--	--	--
80S007C	646,045	4,390,590	5.00	1.00	.20	>2.000	N	N	N	<20	200	N
80S008C	646,450	4,390,250	1.50	1.00	.20	>2.000	N	N	N	20	200	N
80S010C	647,990	4,400,210	--	--	--	--	--	--	--	--	--	--
80S012C	647,980	4,399,560	--	--	--	--	--	--	--	--	--	--
80S013C	647,710	4,399,160	3.00	1.50	.70	>2.000	N	N	N	<20	100	N
80S014C	647,660	4,399,000	--	--	--	--	--	--	--	--	--	--
80S015C	647,135	4,399,080	1.00	20.00	.30	1.500	N	N	N	50	300	N
80S016C	646,880	4,399,135	2.00	1.50	.30	2.000	N	N	N	30	100	N
80S017C	646,110	4,398,470	5.00	1.00	.20	>2.000	N	N	N	<20	100	<2
80S018C	646,160	4,398,295	7.00	2.00	1.50	>2.000	N	N	N	<20	100	N
80S019C	645,965	4,397,930	5.00	1.00	.50	>2.000	N	N	N	<20	100	N
80S020C	645,990	4,397,340	--	--	--	--	--	--	--	--	--	--
80S021C	646,020	4,397,330	--	--	--	--	--	--	--	--	--	--
80S022C	646,820	4,397,670	5.00	1.50	1.00	>2.000	N	N	N	<20	100	N
80S023C	647,895	4,397,095	--	--	--	--	--	--	--	--	--	--
80S024C	663,400	4,406,430	2.00	5.00	.70	>2.000	N	N	N	30	700	N
80S026C	661,675	4,406,045	3.00	5.00	.70	>2.000	N	N	N	20	50	N
80S027C	661,260	4,406,100	2.00	5.00	.50	>2.000	N	N	N	50	1,000	N
80S028C	664,595	4,406,270	3.00	1.50	.50	>2.000	N	N	N	20	300	N
80S029C	663,985	4,405,490	5.00	2.00	1.00	1.500	N	N	N	20	50	N
80S030C	663,940	4,405,500	3.00	5.00	1.00	2.000	300.0	N	>1,000	50	100	N
80S032.1C	637,750	4,432,445	3.00	7.00	1.00	>2.000	7.0	N	20	30	1,500	N
80S032C	637,750	4,432,445	3.00	7.00	1.00	>2.000	30.0	N	50	50	1,000	N
80S033.1C	637,800	4,432,800	3.00	3.00	.50	>2.000	50.0	N	150	100	700	N
80S033C	637,800	4,432,650	3.00	7.00	.50	>2.000	20.0	N	70	100	1,000	N
80S034.1C	671,970	4,411,230	3.00	5.00	1.50	>2.000	N	N	N	50	200	N
80S034AC	671,970	4,411,230	3.00	2.00	.50	>2.000	N	N	<20	30	500	N
80S034BC	671,970	4,411,230	3.00	3.00	.70	>2.000	N	N	20	30	500	N
80S035C	664,980	4,406,690	3.00	3.00	1.00	.500	N	N	N	70	1,000	N
80S038C	665,825	4,407,490	3.00	1.00	2.00	>2.000	30.0	N	100	50	200	N
80S041C	666,610	4,407,480	2.00	3.00	.50	>2.000	200.0	N	1,000	50	500	N
80S075C	656,560	4,424,430	3.00	.50	.20	>2.000	N	N	N	<20	<50	N
80S076C	656,330	4,423,390	2.00	.20	.15	>2.000	N	N	N	<20	<50	N
80S077C	656,360	4,423,360	.50	.10	.10	1.000	N	N	N	<20	50	N
80S078C	656,000	4,423,000	1.00	.30	.50	1.500	N	N	N	<20	50	N
80S079C	655,300	4,422,560	1.50	.20	.20	2.000	N	N	N	<20	50	N
80S080.1C	654,840	4,421,790	3.00	7.00	.30	>2.000	N	N	N	30	200	N
80S080C	654,840	4,421,790	1.50	.15	.15	1.500	N	N	N	<20	50	N
80S081C	653,110	4,399,280	5.00	2.00	.50	>2.000	N	N	<20	<20	150	N
80S082C	653,685	4,400,360	5.00	3.00	1.50	>2.000	N	N	N	20	1,000	N
80S084C	655,880	4,401,780	5.00	3.00	2.00	.500	N	N	N	<20	200	N
80S085C	668,470	4,408,940	.30	2.00	.50	1.500	N	N	N	100	1,000	<2
80S086C	665,380	4,407,510	2.00	3.00	1.00	>2.000	N	N	N	70	10,000	N
80S107C	656,155	4,419,130	1.00	1.00	.70	1.000	N	N	N	<20	70	N

Sample	Bi-ppm _s	Co-ppm _s	Cr-ppm _s	Cu-ppm _s	La-ppm _s	Mn-ppm _s	Mo-ppm _s	Nb-ppm _s	Ni-ppm _s	Pb-ppm _s	Sc-ppm _s	Sn-ppm _s
80S006C	--	--	--	--	--	--	--	--	--	--	--	--
80S007C	N 10	10	70	N <10	200	1,000	<10	200	N	100	--	<20
80S008C	N 10	10	70	<10	150	500	N	N	N	20	--	N
80S010C	--	--	--	--	--	--	--	--	--	--	--	--
80S012C	--	--	--	--	--	--	--	--	--	--	--	--
80S013C	N 20	20	300	<10	200	500	<10	70	30	70	--	<20
80S014C	--	--	--	--	--	--	--	--	--	--	--	--
80S015C	N 200	200	100	200	50	300	N	50	500	200	--	500
80S016C	N 15	15	70	<10	<50	500	N	N	20	70	--	N
80S017C	100	N	100	<10	100	500	N	50	N	150	--	<20
80S018C	>2,000	20	200	10	100	700	50	N	70	300	--	N
80S019C	100	10	150	<10	100	500	<10	70	N	30	--	<20
80S020C	--	--	--	--	--	--	--	--	--	--	--	--
80S021C	--	--	--	--	--	--	--	--	--	--	--	--
80S022C	200	70	150	10	100	500	N	<50	70	N	--	N
80S023C	--	--	--	--	--	--	--	--	--	--	--	--
80S024C	<20	70	100	150	70	500	N	<50	50	50	--	N
80S026C	N	20	200	20	50	700	N	<50	N	N	--	N
80S027C	N 200	200	150	500	50	500	N	<50	200	20	--	N
80S028C	30	20	150	50	150	500	N	50	100	50	--	N
80S029C	N	30	150	50	<50	700	N	N	100	N	--	N
80S030C	N 50	50	200	70	<50	700	N	N	150	N	--	N
80S032.1C	N 1,500	1,500	500	700	50	500	N	150	500	N	--	N
80S032C	N 500	500	200	700	50	500	N	100	300	N	--	N
80S033.1C	N 20	20	200	150	50	300	N	100	50	70	--	N
80S033C	N 30	30	300	100	50	300	N	100	70	50	--	N
80S034.1C	N 50	50	500	100	200	1,000	N	<50	100	200	--	500
80S034AC	N 20	20	100	100	200	700	N	<50	20	300	--	70
80S034BC	N 30	30	300	100	200	700	N	N	20	300	--	70
80S035C	N 10	10	70	70	<50	700	N	<50	N	20	--	N
80S038C	100	20	200	10	200	500	N	N	150	70	--	N
80S041C	50	50	500	150	100	500	N	<50	50	150	--	<20
80S075C	N	N	150	<10	300	500	10	50	N	N	--	<20
80S076C	N	N	100	<10	200	200	N	N	N	N	--	N
80S077C	N	N	70	N	100	150	N	N	N	N	--	N
80S078C	N	N	100	<10	100	300	N	N	20	N	--	N
80S079C	N	N	70	<10	100	300	N	N	N	N	--	N
80S080.1C	N 150	150	150	300	70	500	N	70	50	100	--	N
80S080C	N	N	50	<10	100	200	N	N	N	N	--	N
80S081C	N	N	100	10	150	700	15	150	N	20	--	N
80S082C	N	70	200	50	50	700	N	70	70	N	--	N
80S084C	N 20	20	300	20	<50	1,000	N	N	100	20	--	N
80S085C	N 15	15	100	50	50	1,000	N	<50	50	150	--	N
80S086C	N 30	30	200	100	70	500	N	70	70	70	--	N
80S107C	N 10	10	100	<10	N	500	N	N	50	N	--	N

Sample	Sr-ppm _s	Th-ppm _s	V-ppm _s	W-ppm _s	Y-ppm _s	Zn-ppm _s	Zr-ppm _s	Au-ppm _{as}	Pd-ppm _{as}	Rh-ppm _{as}
80S006C	--	--	--	--	--	--	--	N	N	N
80S007C	200	N	200	N	700	N	>2,000	--	--	--
80S008C	200	<200	200	N	300	N	>2,000	--	--	--
80S010C	--	--	--	--	--	--	--	N	N	N
80S012C	--	--	--	--	--	--	--	N	N	N
80S013C	200	N	200	N	300	N	>2,000	--	--	--
80S014C	--	--	--	--	--	--	--	.005	.001	N
80S015C	<200	N	100	N	200	N	>2,000	--	--	--
80S016C	500	N	200	N	200	N	>2,000	--	--	--
80S017C	200	N	300	N	500	N	>2,000	--	--	--
80S018C	500	N	200	N	150	N	>2,000	--	--	--
80S019C	300	N	300	N	300	N	>2,000	--	--	--
80S020C	--	--	--	--	--	--	--	.010	.002	N
80S021C	--	--	--	--	--	--	--	N	.001	N
80S022C	300	N	200	N	150	N	>2,000	--	--	--
80S023C	--	--	--	--	--	--	--	N	.001	N
80S024C	700	N	500	100	100	500	1,500	--	--	--
80S026C	500	N	500	N	70	N	1,000	--	--	--
80S027C	300	N	300	N	70	N	>2,000	--	--	--
80S028C	300	N	200	N	200	N	>2,000	--	--	--
80S029C	300	N	200	N	30	N	>2,000	--	--	--
80S030C	200	N	200	N	50	N	>2,000	--	--	--
80S032.1C	<200	N	200	<100	200	N	1,500	--	--	--
80S032C	200	N	200	200	200	N	1,000	--	--	--
80S033.1C	N	N	150	N	500	N	>2,000	--	--	--
80S033C	N	N	150	N	500	N	2,000	--	--	--
80S034.1C	200	<200	300	N	300	N	>2,000	--	--	--
80S034AC	200	200	200	<100	300	N	>2,000	--	--	--
80S034BC	200	200	200	100	300	N	>2,000	--	--	--
80S035C	1,000	N	200	N	30	N	500	--	--	--
80S038C	<200	200	200	N	300	N	>2,000	--	--	--
80S041C	700	<200	200	N	150	N	>2,000	--	--	--
80S075C	N	N	300	N	300	N	>2,000	--	--	--
80S076C	N	N	150	N	200	N	>2,000	--	--	--
80S077C	N	N	70	N	200	N	>2,000	--	--	--
80S078C	N	N	100	N	300	N	>2,000	--	--	--
80S079C	<200	N	150	N	300	N	>2,000	--	--	--
80S080.1C	300	N	300	N	100	N	>2,000	--	--	--
80S080C	<200	N	100	N	300	N	>2,000	--	--	--
80S081C	200	N	500	N	700	N	>2,000	--	--	--
80S082C	300	N	200	N	100	N	>2,000	--	--	--
80S084C	500	N	150	N	150	N	>2,000	--	--	--
80S085C	200	N	150	N	50	N	2,000	--	--	--
80S086C	500	N	200	<100	70	N	1,000	--	--	--
80S107C	<200	N	100	N	200	N	>2,000	--	--	--

Sample	UTM EAST	UTM NORTH	Ca-ppm s	Fe-ppm s	Mg-ppm s	Ti-ppct. s	Ag-ppm s	As-ppm s	Au-ppm s	B-ppm s	Ba-ppm s	Be-ppm s
80S108C	656,310	4,419,740	1.50	.70	1.00	1.000	N	N	N	20	50	N
80S111C	657,000	4,420,200	2.00	1.00	2.00	.700	N	N	N	<20	50	N
80S112C	657,050	4,420,035	1.00	.70	1.00	.700	N	N	N	<20	50	N
80S113C	656,720	4,419,360	.70	.50	.30	1.000	N	N	N	<20	50	N
80S114C	656,235	4,419,060	1.50	.70	1.00	1.000	N	N	N	<20	50	N
80S115C	656,000	4,418,640	1.50	1.00	1.00	1.000	N	N	N	<20	50	N
80S116C	654,640	4,422,350	2.00	.70	.70	>2.000	N	N	N	<20	50	N
80S117C	654,845	4,423,040	2.00	.70	.50	>2.000	N	N	N	<20	50	N
80S118C	654,880	4,423,820	2.00	.70	.50	>2.000	N	N	N	<20	50	N
80S119C	654,850	4,423,860	1.50	.70	.70	2.000	N	N	N	<20	50	N
80S120C	661,260	4,420,080	2.00	.70	.30	>2.000	N	N	N	100	70	N
80S121C	659,320	4,422,920	3.00	1.00	.50	>2.000	N	N	N	20	70	N
80S122C	659,575	4,422,540	2.00	.70	.50	>2.000	N	N	N	100	50	N
80S123C	659,390	4,422,500	2.00	.50	.30	>2.000	N	N	N	<20	50	N
80S124C	659,170	4,422,535	3.00	1.00	1.00	>2.000	N	N	N	20	100	N
80S125C	658,530	4,423,530	3.00	.30	.20	>2.000	N	N	N	<20	<50	N
80S126C	658,380	4,423,900	3.00	.50	.50	>2.000	N	N	N	<20	<50	N
80S127C	658,340	4,424,010	3.00	.50	.50	>2.000	N	N	N	<20	50	N
80S128C	653,090	4,429,705	.50	5.00	.50	>2.000	N	N	N	300	1,500	N
80S129C	653,185	4,428,450	3.00	2.00	.70	>2.000	N	N	N	200	100	N
80S130C	653,230	4,428,440	5.00	1.00	.70	>2.000	N	N	N	50	100	N
80S131C	649,610	4,430,240	3.00	7.00	1.50	>2.000	N	N	<20	70	2,000	N
80S133C	649,570	4,431,020	.50	3.00	.50	>2.000	N	N	100	100	150	N
80S134C	649,590	4,431,010	2.00	7.00	1.00	>2.000	N	N	20	20	>10,000	N
80S135C	649,650	4,431,485	3.00	7.00	3.00	>2.000	N	N	N	50	>10,000	N
80S137C	643,860	4,438,440	--	--	--	--	--	--	--	--	--	--
80S138C	642,930	4,438,100	--	--	--	--	--	--	--	--	--	--
80S139C	642,750	4,437,750	--	--	--	--	--	--	--	--	--	--
80S140C	641,970	4,436,880	--	--	--	--	--	--	--	--	--	--
80S141C	641,770	4,436,960	--	--	--	--	--	--	--	--	--	--
80S142C	641,740	4,436,840	--	--	--	--	--	--	--	--	--	--
80S143C	641,625	4,436,760	3.00	1.50	1.00	>2.000	N	N	200	50	50	N
80S144C	641,200	4,436,040	--	--	--	--	--	--	--	--	--	--
80S146C	640,580	4,435,800	--	--	--	--	--	--	--	--	--	--
80S147C	640,150	4,435,490	--	--	--	--	--	--	--	--	--	--
80S150C	641,210	4,435,040	5.00	3.00	1.50	1.500	N	N	N	50	70	N
80S151C	641,150	4,435,260	5.00	5.00	3.00	1.000	N	N	N	70	70	N
80S155C	639,180	4,427,680	--	--	--	--	--	--	--	--	--	--
80S156C	638,830	4,427,210	5.00	1.50	2.00	>2.000	N	N	N	70	50	N
80S157C	639,900	4,426,450	5.00	1.50	3.00	2.000	N	N	N	500	100	N
80S158C	639,660	4,426,260	5.00	1.50	3.00	2.000	N	N	N	1,000	100	N
80S159C	639,590	4,426,360	5.00	2.00	2.00	>2.000	N	N	N	1,500	100	N
80S160C	639,240	4,424,950	3.00	1.50	1.00	>2.000	N	N	N	300	70	N
80S161C	638,820	4,424,670	5.00	2.00	1.50	>2.000	N	N	N	150	70	N
80S162C	638,760	4,424,730	3.00	.30	.20	>2.000	N	N	N	<20	<50	N

Sample	Bf-ppm _s	Co-ppm _s	Cr-ppm _s	Cu-ppm _s	La-ppm _s	Mn-ppm _s	Mo-ppm _s	Nb-ppm _s	Ni-ppm _s	Pb-ppm _s	Sc-ppm _s	Sn-ppm _s
80S108C	N	10	100	<10	N	500	N	N	50	N	--	N
80S111C	N	10	100	N	N	500	N	N	50	N	--	N
80S112C	N	10	100	N	N	500	N	N	50	N	--	N
80S113C	N	<10	100	N	N	200	N	N	N	N	--	N
80S114C	N	10	100	N	N	500	N	N	30	N	--	N
80S115C	N	10	100	N	N	500	N	N	50	N	--	N
80S116C	N	10	100	<10	200	500	N	N	20	N	--	N
80S117C	N	10	100	<10	200	300	N	N	N	N	--	N
80S118C	N	10	100	<10	200	300	N	N	N	N	--	N
80S119C	N	10	100	<10	50	300	N	N	20	N	--	N
80S120C	N	10	100	<10	150	300	N	N	N	N	--	N
80S121C	N	10	100	<10	200	500	10	<50	N	N	--	N
80S122C	N	10	100	<10	150	500	N	<50	N	N	--	N
80S123C	N	10	100	<10	150	500	N	<50	N	N	--	N
80S124C	N	10	200	<10	200	500	15	50	N	N	--	20
80S125C	N	N	150	<10	500	300	20	50	N	20	--	<20
80S126C	N	N	150	<10	300	300	10	50	N	20	--	N
80S127C	N	N	150	<10	200	300	15	<50	N	N	--	N
80S128C	N	30	150	200	500	700	10	70	100	200	--	N
80S129C	N	N	150	50	300	500	<10	50	N	N	--	N
80S130C	N	N	150	<10	500	500	15	70	N	20	--	<20
80S131C	N	70	500	150	50	500	N	70	150	300	--	70
80S133C	N	N	500	150	300	500	N	70	N	150	--	N
80S134C	N	150	1,000	500	50	500	N	50	150	500	--	150
80S135C	N	150	1,000	700	50	700	N	70	200	200	--	N
80S137C	--	--	--	--	--	--	--	--	--	--	--	--
80S138C	--	--	--	--	--	--	--	--	--	--	--	--
80S139C	--	--	--	--	--	--	--	--	--	--	--	--
80S140C	--	--	--	--	--	--	--	--	--	--	--	--
80S141C	--	--	--	--	--	--	--	--	--	--	--	--
80S142C	--	--	--	--	--	--	--	--	--	--	--	--
80S143C	N	20	500	15	N	500	N	N	20	70	--	N
80S144C	--	--	--	--	--	--	--	--	--	--	--	--
80S146C	--	--	--	--	--	--	--	--	--	--	--	--
80S147C	--	--	--	--	--	--	--	--	--	--	--	--
80S150C	N	30	500	50	N	1,000	N	N	100	150	--	N
80S151C	N	30	700	50	N	1,000	N	N	150	150	--	N
80S155C	--	--	--	--	--	--	--	--	--	--	--	--
80S156C	N	20	500	<10	200	700	N	<50	150	30	--	N
80S157C	N	20	500	<10	70	1,000	N	50	150	50	--	N
80S158C	N	20	500	70	100	1,000	N	<50	150	50	--	N
80S159C	N	20	500	<10	150	1,000	10	70	100	30	--	N
80S160C	N	10	200	<10	200	700	15	70	N	70	--	<20
80S161C	N	20	200	<10	200	700	15	70	70	100	--	20
80S162C	N	N	100	<10	150	300	N	<50	N	20	--	N

Sample	Sr-ppm s	Th-ppm s	V-ppm s	W-ppm s	Y-ppm s	Zn-ppm s	Zr-ppm s	Au-ppm as	Pd-ppm as	Rh-ppm as
80S108C	200	N	150	N	200	N	>2,000	--	--	--
80S111C	300	N	100	N	200	N	>2,000	--	--	--
80S112C	<200	<200	100	N	200	N	>2,000	--	--	--
80S113C	<200	N	100	N	300	N	>2,000	--	--	--
80S114C	<200	N	100	N	200	N	>2,000	--	--	--
80S115C	200	N	100	N	300	N	>2,000	--	--	--
80S116C	200	N	200	N	300	N	>2,000	--	--	--
80S117C	200	N	200	N	300	N	>2,000	--	--	--
80S118C	<200	N	300	N	300	N	>2,000	--	--	--
80S119C	<200	N	150	N	200	N	>2,000	--	--	--
80S120C	300	N	200	N	300	N	>2,000	--	--	--
80S121C	300	N	300	N	300	N	>2,000	--	--	--
80S122C	200	N	300	N	500	N	>2,000	--	--	--
80S123C	<200	N	200	N	300	N	>2,000	--	--	--
80S124C	200	N	200	N	200	N	>2,000	--	--	--
80S125C	<200	N	300	N	300	N	>2,000	--	--	--
80S126C	<200	N	300	N	500	N	>2,000	--	--	--
80S127C	200	N	300	N	300	N	>2,000	--	--	--
80S128C	<200	N	200	N	100	700	>2,000	--	--	--
80S129C	N	N	200	N	300	N	>2,000	--	--	--
80S130C	<200	N	300	N	500	N	>2,000	--	--	--
80S131C	500	N	200	300	100	N	>2,000	--	--	--
80S133C	N	N	300	N	300	N	>2,000	--	--	--
80S134C	200	N	300	N	200	N	>2,000	--	--	--
80S135C	500	N	300	N	100	N	>2,000	--	--	--
80S137C	--	--	--	--	--	--	--	5.000	N	N
80S138C	--	--	--	--	--	--	--	N	N	N
80S139C	--	--	--	--	--	--	--	6.000	N	N
80S140C	--	--	--	--	--	--	--	N	N	N
80S141C	--	--	--	--	--	--	--	N	N	N
80S142C	--	--	--	--	--	--	--	N	N	N
80S143C	300	N	300	N	50	N	2,000	--	--	--
80S144C	--	--	--	--	--	--	--	N	N	N
80S146C	--	--	--	--	--	--	--	N	N	N
80S147C	--	--	--	--	--	--	--	N	N	N
80S150C	200	N	200	N	50	N	>2,000	--	--	--
80S151C	200	N	300	N	50	N	>2,000	--	--	--
80S155C	--	--	--	--	--	--	--	N	N	N
80S156C	200	300	200	N	300	N	>2,000	--	--	--
80S157C	500	N	150	N	100	N	>2,000	--	--	--
80S158C	500	<200	150	N	150	N	>2,000	--	--	--
80S159C	700	N	200	N	300	N	>2,000	--	--	--
80S160C	300	<200	300	N	500	N	>2,000	--	--	--
80S161C	700	200	300	N	500	N	>2,000	--	--	--
80S162C	<200	N	200	N	700	N	>2,000	--	--	--

Sample	UTM EAST	UTM NORTH	Ca-pct. s	Fe-pct. s	Mg-pct. s	Ti-pct. s	Ag-pptm s	As-pptm s	Au-pptm s	B-pptm s	Ba-pptm s	Be-pptm s
80S163C	638,730	4,425,450	3.00	1.00	.50	>2.000	N	N	N	20	50	N
80S164C	638,345	4,426,100	3.00	1.50	2.00	>2.000	N	N	N	30	50	N
80S165C	637,565	4,426,310	5.00	1.00	.70	>2.000	N	N	N	50	50	N
80S166C	637,090	4,426,940	5.00	2.00	1.00	>2.000	N	N	N	50	100	N
80S167C	635,120	4,425,480	2.00	.70	.30	>2.000	N	N	N	<20	50	N
80S168C	634,840	4,424,840	2.00	.20	.30	>2.000	N	N	N	<20	50	N
80Y001C	648,125	4,396,800	3.00	1.50	5.00	>2.000	N	N	N	150	200	N
80Y002C	648,530	4,396,440	5.00	2.00	.30	>2.000	N	N	N	70	300	N
80Y003C	648,385	4,395,340	5.00	2.00	.50	>2.000	N	N	N	20	100	N
80Y004C	646,150	4,392,900	2.00	1.50	1.50	2.000	N	N	N	50	200	N
80Y005C	648,195	4,387,785	2.00	1.50	.10	>2.000	15.0	N	200	20	100	N
80Y006C	648,275	4,378,850	3.00	2.00	.10	>2.000	N	N	N	20	100	N
80Y007C	648,630	4,370,900	3.00	2.00	.20	>2.000	N	N	N	20	150	N
80Y008C	648,590	4,387,065	1.50	1.00	.10	>2.000	N	N	N	20	150	N
80Y009C	648,760	4,387,110	2.00	2.00	.15	>2.000	N	N	N	20	100	N
80Y010C	648,775	4,387,150	5.00	2.00	.50	1.000	N	N	N	70	300	N
80Y011C	649,620	4,397,570	5.00	2.00	.70	>2.000	N	N	N	30	100	N
80Y012C	650,490	4,398,275	7.00	2.00	.20	>2.000	N	N	N	20	100	N
80Y013C	650,900	4,398,125	5.00	2.00	.10	>2.000	N	N	N	20	100	N
80Y014C	650,470	4,398,150	7.00	1.50	.15	>2.000	N	N	N	20	100	N
80Y015C	650,150	4,398,210	7.00	3.00	.70	>2.000	N	N	N	30	500	5
80Y016C	652,095	4,398,640	3.00	2.00	.30	1.500	N	N	N	30	1,000	5
80Y017C	652,165	4,398,690	5.00	3.00	.30	2.000	N	N	N	30	500	2
80Y018C	651,495	4,398,275	2.00	2.00	.20	.300	N	N	N	<20	700	2
80Y019C	651,575	4,398,190	3.00	2.00	.20	>2.000	N	N	N	<20	200	N
80Y020C	651,725	4,398,360	2.00	3.00	.30	1.000	N	N	N	20	700	N
80Y021C	656,820	4,402,640	5.00	2.00	.10	.150	N	N	N	20	300	N
80Y022C	656,850	4,402,525	10.00	3.00	.15	.200	N	N	N	20	150	N
80Y023C	657,300	4,403,670	7.00	5.00	.15	.300	N	N	N	20	300	N
80Y024C	657,740	4,404,280	7.00	5.00	.20	.500	N	N	N	20	300	N
80Y025C	658,025	4,404,450	5.00	2.00	.15	.500	N	N	N	20	300	N
80Y026C	657,420	4,406,680	--	--	--	--	--	--	--	--	--	--
80Y027C	657,520	4,406,700	--	--	--	--	--	--	--	--	--	--
80Y028C	658,130	4,406,180	--	--	--	--	--	--	--	--	--	--
80Y029C	658,720	4,405,045	7.00	3.00	1.00	1.500	N	N	N	20	500	N
80Y030C	659,130	4,405,050	7.00	5.00	1.50	>2.000	N	N	N	300	200	N
80Y031C	659,480	4,404,660	10.00	3.00	.20	.700	N	N	N	70	200	N
80Y032C	659,780	4,404,660	10.00	2.00	1.00	>2.000	N	N	N	300	300	N
80Y033C	660,350	4,404,820	5.00	3.00	.50	>2.000	N	N	N	70	150	N
80Y034C	660,140	4,404,940	5.00	2.00	.70	>2.000	N	N	N	30	150	N
80Y035C	660,755	4,405,290	5.00	3.00	.50	>2.000	N	N	N	50	100	N
80Y036C	660,585	4,405,000	5.00	2.00	.50	>2.000	N	N	N	70	200	N
80Y038C	663,735	4,410,210	5.00	3.00	.50	>2.000	N	N	N	150	500	N
80Y039C	664,130	4,410,110	2.00	5.00	.50	2.000	N	N	N	70	500	N
80Y041C	664,065	4,409,825	5.00	3.00	.50	2.000	N	N	N	100	300	N

Sample	Bi-ppm _s	Co-ppm _s	Cr-ppm _s	Cu-ppm _s	La-ppm _s	Mn-ppm _s	Mo-ppm _s	Nb-ppm _s	Ni-ppm _s	Pb-ppm _s	Sc-ppm _s	Sn-ppm _s
80S163C	N	20	200	<10	150	200	N	50	N	30	--	<20
80S164C	N	20	200	<10	200	700	N	50	50	20	--	<20
80S165C	N	<10	150	<10	150	500	20	70	20	70	--	20
80S166C	N	10	150	10	100	500	<10	<50	70	70	--	N
80S167C	N	N	150	<10	200	200	10	50	N	50	--	<20
80S168C	N	N	150	<10	200	200	N	<50	N	<20	--	N
80Y001C	N	30	200	50	100	700	N	50	700	N	10	N
80Y002C	N	10	150	20	200	500	N	100	50	50	20	N
80Y003C	N	N	100	20	300	700	15	150	20	30	15	20
80Y004C	N	N	100	<10	200	500	N	<50	70	N	50	30
80Y005C	1,000	N	100	<10	70	300	N	N	20	N	70	N
80Y006C	300	N	150	<10	300	500	20	100	15	50	30	50
80Y007C	N	15	100	15	100	500	N	50	30	N	30	N
80Y008C	N	N	150	<10	100	200	N	N	20	N	50	N
80Y009C	N	N	150	<10	150	300	N	50	20	N	30	N
80Y010C	N	10	100	20	70	500	N	N	50	20	10	N
80Y011C	N	N	200	15	200	500	10	70	30	N	20	N
80Y012C	N	N	150	30	150	700	10	150	20	20	20	N
80Y013C	N	N	100	20	150	500	10	100	20	N	20	N
80Y014C	N	N	100	20	150	700	N	70	20	N	20	N
80Y015C	50	15	150	50	200	1,000	10	100	30	50	20	N
80Y016C	100	N	30	10	1,000	1,000	N	70	N	100	10	N
80Y017C	N	N	50	10	1,000	2,000	N	70	10	70	20	N
80Y018C	N	50	N	<10	700	1,500	N	N	N	30	N	N
80Y019C	N	N	70	<10	150	1,000	N	200	20	30	20	20
80Y020C	N	N	20	<10	1,000	2,000	N	50	10	30	15	N
80Y021C	N	N	N	<10	50	1,500	N	N	N	30	10	N
80Y022C	N	N	20	10	70	2,000	N	N	15	20	50	N
80Y023C	N	N	N	10	70	2,000	N	N	10	30	30	N
80Y024C	N	N	N	10	70	1,500	N	N	10	30	20	N
80Y025C	N	N	N	<10	70	1,000	N	N	15	20	10	N
80Y026C	--	--	--	--	--	--	--	--	--	--	--	--
80Y027C	--	--	--	--	--	--	--	--	--	--	--	--
80Y028C	--	--	--	--	--	--	--	--	--	--	--	--
80Y029C	N	15	100	20	70	1,000	N	50	50	20	20	N
80Y030C	N	50	500	100	70	1,000	N	N	150	20	70	N
80Y031C	N	N	20	10	70	1,500	N	N	15	20	15	N
80Y032C	N	20	200	20	300	700	N	100	50	20	10	N
80Y033C	N	30	150	70	70	500	20	100	70	N	20	N
80Y034C	N	20	150	20	70	300	N	150	50	N	20	N
80Y035C	N	20	200	70	70	500	N	100	50	N	70	N
80Y036C	N	15	150	20	100	300	N	100	30	N	50	N
80Y038C	N	10	50	20	100	700	N	70	30	20	N	N
80Y039C	N	15	100	70	100	1,000	10	50	50	20	N	N
80Y041C	N	15	100	30	100	700	N	50	50	20	N	N

Sample	Sr-ppm _s	Th-ppm _s	V-ppm _s	W-ppm _s	Y-ppm _s	Zn-ppm _s	Zr-ppm _s	Au-ppm _{as}	Pd-ppm _{as}	Rh-ppm _{as}
80S163C	200	<200	300	N	700	N	>2,000	--	--	--
80S164C	<200	300	200	N	500	N	>2,000	--	--	--
80S165C	700	<200	200	N	500	N	>2,000	--	--	--
80S166C	1,000	500	200	N	200	N	>2,000	--	--	--
80S167C	N	700	200	N	1,000	N	>2,000	--	--	--
80S168C	N	500	200	N	700	N	>2,000	--	--	--
80Y001C	200	N	150	N	100	N	>2,000	--	--	--
80Y002C	700	N	300	N	300	N	>2,000	--	--	--
80Y003C	300	N	700	N	500	N	>2,000	--	--	--
80Y004C	N	N	200	N	300	N	>2,000	--	--	--
80Y005C	N	N	200	N	300	N	>2,000	--	--	--
80Y006C	N	500	500	N	700	N	>2,000	--	--	--
80Y007C	200	N	300	N	300	N	>2,000	--	--	--
80Y008C	N	N	200	N	300	N	>2,000	--	--	--
80Y009C	N	200	300	N	500	N	>2,000	--	--	--
80Y010C	500	N	150	N	70	N	>2,000	--	--	--
80Y011C	300	N	500	N	300	N	>2,000	--	--	--
80Y012C	300	N	500	N	500	N	>2,000	--	--	--
80Y013C	200	N	500	N	500	N	>2,000	--	--	--
80Y014C	200	N	500	N	500	N	>2,000	--	--	--
80Y015C	700	N	300	N	200	N	2,000	--	--	--
80Y016C	700	N	150	N	300	N	>2,000	--	--	--
80Y017C	1,000	N	200	N	500	N	>2,000	--	--	--
80Y018C	700	N	50	N	200	N	1,500	--	--	--
80Y019C	500	N	1,000	N	700	N	>2,000	--	--	--
80Y020C	1,000	N	100	N	500	N	>2,000	--	--	--
80Y021C	1,000	N	100	N	70	N	>2,000	--	--	--
80Y022C	1,000	N	150	N	200	N	>2,000	--	--	--
80Y023C	1,500	N	150	N	100	N	>2,000	--	--	--
80Y024C	1,500	N	200	N	70	N	>2,000	--	--	--
80Y025C	1,000	N	150	N	50	N	>2,000	--	--	--
80Y026C	--	--	--	--	--	--	--	.001	.020	N
80Y027C	--	--	--	--	--	--	--	1.000	.007	N
80Y028C	--	--	--	--	--	--	--	.007	.015	N
80Y029C	700	N	200	N	70	N	>2,000	--	--	--
80Y030C	700	N	500	N	150	N	>2,000	--	--	--
80Y031C	1,500	N	200	N	100	N	>2,000	--	--	--
80Y032C	700	N	300	N	150	N	2,000	--	--	--
80Y033C	500	N	500	N	100	N	1,000	--	--	--
80Y034C	N	N	500	N	200	N	500	--	--	--
80Y035C	200	N	500	N	200	N	200	--	--	--
80Y036C	200	N	300	N	200	N	200	--	--	--
80Y038C	1,500	N	300	N	200	N	500	--	--	--
80Y039C	1,000	N	200	N	70	N	>2,000	--	--	--
80Y041C	1,500	N	200	N	100	N	>2,000	--	--	--

Sample	UTM EAST	UTM NORTH	Ca-pct. s	Fe-pct. s	Mg-pct. s	Ti-pct. s	Ag-pptm s	As-pptm s	Au-pptm s	B-pptm s	Ba-pptm s	Be-pptm s
80Y042C	664,170	4,409,670	5.00	5.00	.30	2.000	N	N	N	100	300	N
80Y043C	664,620	4,409,600	2.00	10.00	1.00	>2.000	N	N	N	100	1,000	3
80Y044C	664,890	4,409,080	7.00	5.00	1.00	2.000	N	N	N	70	1,000	N
80Y047C	665,460	4,409,390	1.50	5.00	.50	1.500	N	N	N	200	300	N
80Y048C	665,425	4,409,390	1.50	3.00	.70	1.500	N	N	N	70	500	N
80Y049C	667,895	4,410,175	2.00	3.00	.50	>2.000	N	N	N	100	1,500	N
80Y050C	667,925	4,410,170	5.00	2.00	1.00	.300	7.0	N	50	50	500	N
80Y051C	667,865	4,409,930	1.50	5.00	.70	>2.000	N	N	N	100	500	2
80Y052C	667,920	4,408,850	2.00	5.00	1.00	1.000	N	N	N	70	300	N
80Y054C	667,630	4,408,540	1.00	7.00	.30	>2.000	2.0	N	N	100	500	N
80Y055C	667,610	4,408,050	5.00	3.00	.70	>2.000	N	N	N	50	1,000	N
80Y057C	675,360	4,414,210	5.00	1.00	.70	>2.000	70.0	N	500	30	70	2
80Y058C	675,405	4,414,220	5.00	1.50	1.00	>2.000	N	N	N	30	100	2
80Y059C	675,130	4,413,460	--	--	--	--	--	--	--	--	--	--
80Y060C	675,035	4,413,190	--	--	--	--	--	--	--	--	--	--
80Y061C	674,775	4,412,615	--	--	--	--	--	--	--	--	--	--
80Y062C	674,410	4,412,475	--	--	--	--	--	--	--	--	--	--
80Y063C	673,700	4,412,060	--	--	--	--	--	--	--	--	--	--
80Y064C	671,715	4,406,255	.10	20.00	.20	>2.000	30.0	N	N	20	10,000	N
80Y065C	671,525	4,406,405	1.00	5.00	1.00	>2.000	N	N	N	150	1,500	7
80Y066C	671,275	4,406,870	2.00	5.00	1.00	>2.000	N	N	N	150	2,000	10
80Y067C	671,120	4,406,810	2.00	15.00	.30	>2.000	20.0	N	500	<20	2,000	N
80Y068C	670,415	4,407,230	1.00	5.00	.50	>2.000	7.0	N	20	100	1,000	2
80Y069C	669,570	4,407,340	2.00	5.00	.50	>2.000	1.0	N	N	70	700	2
80Y070C	668,590	4,407,245	2.00	1.50	.50	>2.000	N	N	N	70	500	2
80Y071C	672,355	4,406,770	20.00	2.00	1.00	1.500	N	N	N	100	1,000	2
80Y073C	672,730	4,406,310	10.00	3.00	.70	1.500	N	N	N	50	2,000	N
80Y074C	677,490	4,412,840	--	--	--	--	--	--	--	--	--	--
80Y075C	676,155	4,412,685	--	--	--	--	--	--	--	--	--	--
80Y076C	676,350	4,413,005	--	--	--	--	--	--	--	--	--	--
80Y077C	676,705	4,412,775	--	--	--	--	--	--	--	--	--	--
80Y078C	677,670	4,412,705	--	--	--	--	--	--	--	--	--	--
80Y079C	682,645	4,413,980	5.00	3.00	.30	>2.000	100.0	500	1,000	100	1,000	7
80Y080C	678,650	4,413,715	.15	2.00	.30	>2.000	N	N	N	200	1,500	10
80Y083C	679,365	4,413,755	.50	3.00	.30	>2.000	2,000.0	N	>1,000	300	5,000	15
80Y084C	681,075	4,413,410	.20	2.00	.30	>2.000	10.0	N	200	200	1,000	10
80Y087C	670,995	4,410,390	2.00	3.00	.70	>2.000	N	N	N	100	1,000	2
80Y088C	670,790	4,410,050	3.00	5.00	1.00	>2.000	N	N	N	100	3,000	2
80Y090C	670,300	4,410,850	5.00	3.00	1.00	>2.000	N	N	N	50	1,500	3
80Y091C	670,330	4,410,900	1.50	10.00	.50	2.000	N	N	N	50	1,500	N
80Y092C	672,050	4,411,270	--	--	--	--	--	--	--	--	--	--
80Y093C	671,665	4,411,350	--	--	--	--	--	--	--	--	--	--
80Y094C	672,740	4,411,765	--	--	--	--	--	--	--	--	--	--
80Y095C	671,895	4,411,770	--	--	--	--	--	--	--	--	--	--
80Y096C	671,940	4,411,785	--	--	--	--	--	--	--	--	--	--

Sample	Bi-ppm _s	Co-ppm _s	Cr-ppm _s	Cu-ppm _s	La-ppm _s	Mn-ppm _s	Mo-ppm _s	Nb-ppm _s	Ni-ppm _s	Pb-ppm _s	Sc-ppm _s	Sn-ppm _s
80Y042C	N	15	20	50	70	1,000	N	<50	20	20	20	N
80Y043C	N	30	500	100	100	1,500	15	100	150	30	30	N
80Y044C	N	30	70	100	100	1,000	N	50	100	30	20	N
80Y047C	N	20	100	200	70	700	N	<50	70	20	N	N
80Y048C	N	15	100	50	50	700	N	<50	50	20	N	N
80Y049C	N	20	100	70	100	1,000	N	70	50	N	N	N
80Y050C	N	20	70	30	50	500	N	N	30	N	N	N
80Y051C	N	30	150	150	150	1,000	10	70	100	200	20	N
80Y052C	N	20	100	100	70	700	N	N	50	100	N	N
80Y054C	N	30	150	300	100	1,000	10	70	100	150	20	N
80Y055C	N	20	200	30	50	300	N	50	70	100	N	200
80Y057C	N	N	200	10	50	300	N	<50	100	50	30	N
80Y058C	N	N	200	10	50	500	N	50	100	20	20	N
80Y059C	--	--	--	--	--	--	--	--	--	--	--	--
80Y060C	--	--	--	--	--	--	--	--	--	--	--	--
80Y061C	--	--	--	--	--	--	--	--	--	--	--	--
80Y062C	--	--	--	--	--	--	--	--	--	--	--	--
80Y063C	--	--	--	--	--	--	--	--	--	--	--	--
80Y064C	N	100	150	300	70	200	300	70	150	500	15	N
80Y065C	N	50	300	150	100	1,500	50	150	100	70	30	N
80Y066C	N	30	500	100	150	1,000	20	150	100	50	50	N
80Y067C	N	70	100	500	N	200	15	<50	200	300	N	700
80Y068C	N	50	200	70	50	500	10	150	70	100	20	N
80Y069C	N	30	100	50	50	700	10	200	50	70	20	N
80Y070C	N	15	150	30	50	700	N	100	50	20	20	N
80Y071C	N	15	300	70	100	700	N	N	70	50	20	N
80Y073C	N	30	200	150	100	500	N	N	100	20	15	N
80Y074C	--	--	--	--	--	--	--	--	--	--	--	--
80Y075C	--	--	--	--	--	--	--	--	--	--	--	--
80Y076C	--	--	--	--	--	--	--	--	--	--	--	--
80Y077C	--	--	--	--	--	--	--	--	--	--	--	--
80Y078C	--	--	--	--	--	--	--	--	--	--	--	--
80Y079C	N	30	150	100	200	500	N	50	70	300	20	50
80Y080C	N	10	200	20	200	300	N	70	50	50	50	<20
80Y083C	N	15	300	300	500	500	N	70	70	100	70	150
80Y084C	N	10	200	30	700	500	N	70	50	70	30	N
80Y087C	N	30	300	50	70	1,000	N	100	100	30	30	N
80Y088C	N	50	200	300	150	1,000	N	100	100	30	30	N
80Y090C	N	30	200	70	100	1,000	N	70	70	50	30	N
80Y091C	N	70	100	200	100	500	N	50	150	70	N	N
80Y092C	--	--	--	--	--	--	--	--	--	--	--	--
80Y093C	--	--	--	--	--	--	--	--	--	--	--	--
80Y094C	--	--	--	--	--	--	--	--	--	--	--	--
80Y095C	--	--	--	--	--	--	--	--	--	--	--	--
80Y096C	--	--	--	--	--	--	--	--	--	--	--	--

Sample	Sr-ppm s	Th-ppm s	V-ppm s	W-ppm s	Y-ppm s	Zn-ppm s	Zr-ppm s	Au-ppm as	Pd-ppm as	Rh-ppm as
80Y042C	1,500	N	500	N	100	N	1,000	--	--	--
80Y043C	500	N	500	N	200	N	1,000	--	--	--
80Y044C	1,500	N	300	N	150	N	2,000	--	--	--
80Y047C	200	N	150	N	50	N	>2,000	--	--	--
80Y048C	300	N	150	N	50	N	>2,000	--	--	--
80Y049C	500	N	200	N	100	N	>2,000	--	--	--
80Y050C	1,500	N	100	N	30	N	>2,000	--	--	--
80Y051C	200	N	200	N	100	N	>2,000	--	--	--
80Y052C	700	N	100	N	70	N	>2,000	--	--	--
80Y054C	300	N	200	N	100	N	2,000	--	--	--
80Y055C	500	N	300	N	100	N	>2,000	--	--	--
80Y057C	N	N	500	N	500	N	>2,000	--	--	--
80Y058C	N	N	500	N	300	N	>2,000	--	--	--
80Y059C	--	--	--	--	--	--	--	5.000	.007	N
80Y060C	--	--	--	--	--	--	--	.002	.010	N
80Y061C	--	--	--	--	--	--	--	N	.030	N
80Y062C	--	--	--	--	--	--	--	N	.050	N
80Y063C	--	--	--	--	--	--	--	N	.002	N
80Y064C	N	N	100	N	70	N	200	--	--	--
80Y065C	200	N	300	N	100	N	2,000	--	--	--
80Y066C	300	N	500	N	150	N	1,000	--	--	--
80Y067C	200	N	150	100	100	N	>2,000	--	--	--
80Y068C	200	N	200	N	100	N	2,000	--	--	--
80Y069C	200	N	200	N	300	N	500	--	--	--
80Y070C	500	N	200	N	150	N	1,500	--	--	--
80Y071C	1,000	N	200	N	200	N	500	--	--	--
80Y073C	1,000	N	200	N	200	N	>2,000	--	--	--
80Y074C	--	--	--	--	--	--	--	5.000	N	N
80Y075C	--	--	--	--	--	--	--	N	.020	N
80Y076C	--	--	--	--	--	--	--	.150	.007	N
80Y077C	--	--	--	--	--	--	--	N	.002	N
80Y078C	--	--	--	--	--	--	--	.030	N	N
80Y079C	300	N	200	100	300	N	>2,000	--	--	--
80Y080C	N	N	200	N	300	N	>2,000	--	--	--
80Y083C	300	N	300	N	500	N	>2,000	--	--	--
80Y084C	300	N	150	N	500	N	>2,000	--	--	--
80Y087C	200	N	500	N	100	N	2,000	--	--	--
80Y088C	500	N	300	N	300	N	>2,000	--	--	--
80Y090C	700	N	300	N	100	N	>2,000	--	--	--
80Y091C	200	N	200	N	100	N	>2,000	--	--	--
80Y092C	--	--	--	--	--	--	--	.150	N	N
80Y093C	--	--	--	--	--	--	--	N	N	N
80Y094C	--	--	--	--	--	--	--	.020	.015	N
80Y095C	--	--	--	--	--	--	--	.700	N	N
80Y096C	--	--	--	--	--	--	--	.150	N	N

Sample	UTM EAST	UTM NORTH	Ca-pct. s	Fe-pct. s	Mg-pct. s	Ti-pct. s	Ag-pptm s	As-pptm s	Au-pptm s	B-pptm s	Ba-pptm s	Be-pptm s
80Y097C	655,635	4,421,180	2.00	.50	.15	>2.000	N	N	N	N	50	N
80Y098C	656,685	4,421,900	2.00	.20	.10	>2.000	N	N	N	N	50	N
80Y099C	656,810	4,421,850	1.50	.20	.15	2.000	N	N	N	N	50	N
80Y101C	657,180	4,421,100	2.00	.20	.15	2.000	N	N	N	N	50	N
80Y102C	656,235	4,420,830	1.50	.20	.15	2.000	N	N	N	N	50	N
80Y103C	655,320	4,420,600	2.00	.30	.20	>2.000	N	N	N	N	50	N
80Y105C	657,425	4,416,620	3.00	.50	.20	>2.000	N	N	N	N	50	N
80Y107C	658,625	4,418,070	2.00	.30	.10	>2.000	N	N	N	N	50	N
80Y108C	658,850	4,417,110	3.00	.50	.15	>2.000	N	N	N	N	50	N
80Y109C	659,515	4,417,110	1.00	.20	.10	2.000	N	N	N	N	50	N
80Y110C	660,340	4,417,820	2.00	.50	.20	>2.000	N	N	N	N	50	N
80Y111C	661,255	4,420,390	1.50	.20	.10	>2.000	N	N	N	N	50	N
80Y112C	657,600	4,425,680	3.00	.50	.50	>2.000	N	N	N	N	50	N
80Y113C	657,530	4,426,750	5.00	3.00	.30	>2.000	N	N	N	30	100	N
80Y114C	657,450	4,426,610	3.00	1.50	.50	>2.000	N	N	N	70	100	N
80Y115C	656,770	4,427,095	2.00	1.00	.50	>2.000	N	N	N	50	70	N
80Y116C	656,320	4,427,150	3.00	1.00	1.50	>2.000	N	N	N	20	<50	N
80Y117C	656,235	4,427,240	3.00	.50	.15	>2.000	N	N	N	<20	50	N
80Y118C	656,500	4,427,490	5.00	3.00	.70	>2.000	N	N	N	30	100	N
80Y119C	656,360	4,427,510	5.00	.70	.70	>2.000	N	N	N	20	50	N
80Y121C	655,990	4,428,610	3.00	3.00	.20	>2.000	N	N	N	20	70	N
80Y122C	655,735	4,428,710	2.00	2.00	.20	>2.000	N	N	N	30	200	N
80Y123C	655,355	4,429,270	--	--	--	--	--	--	--	--	--	--
80Y126C	654,410	4,429,105	2.00	10.00	.20	2.000	200.0	700	1,000	100	7,000	N
80Y127C	654,050	4,430,010	2.00	7.00	.20	>2.000	100.0	N	1,000	50	1,500	N
80Y128C	654,050	4,430,010	3.00	5.00	.50	>2.000	N	N	N	100	2,000	N
80Y129C	647,080	4,427,305	5.00	1.50	.30	>2.000	N	N	N	100	100	N
80Y130C	647,340	4,426,745	5.00	1.00	.20	>2.000	N	N	N	20	50	N
80Y132C	647,375	4,426,440	3.00	.50	.10	>2.000	N	N	N	20	50	N
80Y133C	647,575	4,425,560	3.00	.50	.10	>2.000	N	N	N	20	50	N
80Y134C	647,830	4,425,165	3.00	.70	.30	1.000	N	N	N	20	50	N
80Y135C	647,545	4,424,690	2.00	2.00	1.50	1.000	N	N	N	20	100	N
80Y136C	646,180	4,424,355	.15	.30	.30	2.000	N	N	N	20	100	N
80Y137C	647,005	4,424,815	2.00	1.00	.50	2.000	N	N	N	<20	50	N
80Y138C	649,490	4,429,870	3.00	3.00	2.00	2.000	N	N	N	200	1,000	N
80Y139C	648,300	4,429,820	5.00	2.00	1.00	2.000	N	N	N	150	2,000	N
80Y140C	648,650	4,429,160	5.00	2.00	.70	2.000	N	N	N	50	1,000	N
80Y141C	647,335	4,428,750	5.00	.50	.50	>2.000	N	N	<20	20	50	N
80Y142C	646,750	4,428,275	3.00	1.00	.70	>2.000	N	N	N	50	100	N
80Y143C	645,910	4,428,230	5.00	.20	.15	>2.000	N	N	N	20	70	N
80Y144C	645,880	4,428,120	5.00	.20	.20	>2.000	N	N	N	20	<50	N
80Y145C	645,745	4,427,425	5.00	.30	.30	>2.000	N	N	N	20	50	N
80Y146C	645,750	4,427,400	2.00	.50	.20	2.000	N	N	N	30	150	N
80Y148C	646,260	4,427,240	3.00	.50	.30	>2.000	N	N	N	20	100	N
80Y149C	646,280	4,427,100	3.00	.70	2.00	>2.000	N	N	N	700	300	N

Sample	Bi-ppm s	Co-ppm s	Cr-ppm s	Cu-ppm s	La-ppm s	Mn-ppm s	Mo-ppm s	Nb-ppm s	Ni-ppm s	Pb-ppm s	Sc-ppm s	Sn-ppm s
80Y097C	N	N	70	<10	500	500	N	N	20	N	50	N
80Y098C	N	N	30	<10	500	150	N	N	N	N	70	N
80Y099C	N	N	30	<10	300	150	N	N	N	N	70	N
80Y101C	N	N	50	<10	300	150	N	N	15	N	70	N
80Y102C	N	N	30	<10	300	200	N	N	15	N	70	N
80Y103C	N	N	70	<10	300	200	10	N	20	N	70	N
80Y105C	N	N	150	<10	500	300	N	N	20	N	50	N
80Y107C	N	N	100	<10	500	200	N	N	10	N	50	N
80Y108C	N	N	100	<10	500	300	N	N	10	N	30	N
80Y109C	N	N	20	30	150	150	N	N	10	N	100	N
80Y110C	N	N	100	<10	200	300	N	N	15	N	70	N
80Y111C	N	N	20	<10	200	200	N	N	N	N	50	N
80Y112C	N	N	150	<10	500	500	15	N	30	N	30	N
80Y113C	N	20	150	<10	200	700	N	<50	50	N	70	N
80Y114C	N	N	150	<10	300	500	N	<50	50	N	20	N
80Y115C	N	N	100	<10	300	500	N	<50	50	N	50	N
80Y116C	N	N	200	<10	500	500	N	<50	150	N	50	N
80Y117C	N	N	100	<10	700	300	N	<50	30	700	30	100
80Y118C	N	N	150	20	300	500	N	<50	70	100	50	<20
80Y119C	N	N	200	10	700	500	N	<50	70	N	30	N
80Y121C	N	30	100	200	500	500	N	<50	70	N	30	N
80Y122C	N	20	100	100	500	500	N	<50	70	N	50	N
80Y123C	--	--	--	--	--	--	--	--	--	--	--	--
80Y126C	N	300	200	500	100	500	N	50	1,500	100	N	N
80Y127C	N	100	100	200	500	500	N	<50	200	300	30	70
80Y128C	N	70	200	200	500	700	N	<50	150	N	20	N
80Y129C	N	N	150	20	700	500	N	50	30	500	20	500
80Y130C	N	N	200	15	700	500	N	50	10	N	20	N
80Y132C	N	N	100	<10	500	300	N	N	N	N	20	N
80Y133C	N	N	100	<10	500	200	N	N	10	N	30	N
80Y134C	N	N	100	<10	300	500	N	N	20	N	20	N
80Y135C	N	30	100	10	100	700	N	N	100	N	--	N
80Y136C	N	N	100	10	150	200	N	<50	N	N	--	N
80Y137C	N	15	100	10	150	500	N	N	30	N	--	N
80Y138C	N	50	700	200	50	700	N	<50	200	500	--	N
80Y139C	N	30	150	200	50	700	15	50	150	700	--	N
80Y140C	N	50	150	100	100	500	50	<50	70	700	--	N
80Y141C	N	N	100	<10	300	300	20	50	N	50	--	20
80Y142C	N	30	70	10	150	500	10	<50	30	20	--	N
80Y143C	N	N	70	10	300	300	50	70	N	50	--	50
80Y144C	N	N	70	<10	500	300	30	70	N	20	--	30
80Y145C	N	N	70	10	500	300	30	70	N	70	--	20
80Y146C	N	10	50	15	200	200	N	N	N	N	--	N
80Y148C	N	N	70	20	200	300	10	<50	N	20	--	20
80Y149C	N	20	500	<10	150	500	<10	100	200	N	--	<20

Sample	Sc-ppm _s	Th-ppm _s	V-ppm _s	W-ppm _s	Y-ppm _s	Zn-ppm _s	Zr-ppm _s	Au-ppm _{as}	Pd-ppm _{as}	Rh-ppm _{as}
80Y097C	N	N	200	N	500	N	>2,000	--	--	--
80Y098C	N	N	200	N	500	N	>2,000	--	--	--
80Y099C	N	N	150	N	500	N	>2,000	--	--	--
80Y101C	N	N	150	N	500	N	>2,000	--	--	--
80Y102C	N	N	100	N	500	N	>2,000	--	--	--
80Y103C	N	N	100	N	300	N	>2,000	--	--	--
80Y105C	N	N	300	N	500	N	>2,000	--	--	--
80Y107C	N	N	200	N	500	N	>2,000	--	--	--
80Y108C	N	N	300	N	500	N	>2,000	--	--	--
80Y109C	N	N	100	N	500	N	>2,000	--	--	--
80Y110C	N	N	200	N	300	N	>2,000	--	--	--
80Y111C	N	N	150	N	300	N	>2,000	--	--	--
80Y112C	N	N	300	N	500	N	>2,000	--	--	--
80Y113C	500	N	500	N	300	N	>2,000	--	--	--
80Y114C	200	N	300	N	500	N	>2,000	--	--	--
80Y115C	200	N	300	N	500	N	>2,000	--	--	--
80Y116C	N	N	300	N	500	N	>2,000	--	--	--
80Y117C	N	N	300	N	500	N	>2,000	--	--	--
80Y118C	300	N	300	N	300	N	>2,000	--	--	--
80Y119C	N	N	500	N	500	N	>2,000	--	--	--
80Y121C	N	N	300	N	500	N	>2,000	--	--	--
80Y122C	N	N	300	N	500	N	>2,000	--	--	N
80Y123C	--	--	--	--	--	--	--	7,000	N	--
80Y126C	300	N	100	N	200	N	1,000	--	--	--
80Y127C	N	N	200	N	500	N	>2,000	--	--	--
80Y128C	<200	N	300	N	500	N	>2,000	--	--	--
80Y129C	N	N	500	N	500	N	>2,000	--	--	--
80Y130C	N	N	500	N	500	N	>2,000	--	--	--
80Y132C	N	N	300	N	500	N	>2,000	--	--	--
80Y133C	N	N	300	N	300	N	>2,000	--	--	--
80Y134C	500	N	100	N	200	N	>2,000	--	--	--
80Y135C	500	N	150	N	150	N	>2,000	--	--	--
80Y136C	300	200	200	N	200	N	>2,000	--	--	--
80Y137C	200	200	200	N	200	N	>2,000	--	--	--
80Y138C	1,000	N	200	N	70	N	2,000	--	--	--
80Y139C	700	N	200	N	150	N	1,000	--	--	--
80Y140C	1,000	N	150	N	200	N	>2,000	--	--	--
80Y141C	N	500	300	N	1,000	N	>2,000	--	--	--
80Y142C	700	500	200	N	300	N	>2,000	--	--	--
80Y143C	N	1,000	500	N	700	N	>2,000	--	--	--
80Y144C	N	700	500	N	1,000	N	>2,000	--	--	--
80Y145C	<200	700	300	N	700	N	>2,000	--	--	--
80Y146C	500	200	100	N	300	N	>2,000	--	--	--
80Y148C	500	300	200	N	500	N	>2,000	--	--	--
80Y149C	300	N	200	N	200	N	>2,000	--	--	--

Sample	UTM EAST	UTM NORTH	Ca-pct. s	Fe-pct. s	Mg-pct. s	Ti-pct. s	Ag-ppm s	As-ppm s	Au-ppm s	B-ppm s	Ba-ppm s	Be-ppm s
80Y150C	643,735	4,421,845	1.50	.20	.20	1.500	N	N	N	30	100	N
80Y151C	644,500	4,436,350	2.00	3.00	10.00	1.500	N	N	N	20	70	N
80Y152C	645,080	4,436,320	--	--	--	--	--	--	--	--	--	--
80Y153C	645,040	4,436,850	--	--	--	--	--	--	--	--	--	--
80Y155C	646,190	4,436,220	5.00	3.00	5.00	1.500	N	N	N	30	70	N
80Y156C	646,225	4,436,270	3.00	2.00	10.00	2.000	N	N	N	50	70	N
80Y157C	647,150	4,436,310	--	--	--	--	--	--	--	--	--	--
80Y158C	646,160	4,436,240	--	--	--	--	--	--	--	--	--	--
80Y159C	649,225	4,436,050	3.00	2.00	7.00	2.000	N	N	N	100	100	N
80Y160C	649,000	4,436,240	--	--	--	--	--	--	--	--	--	--
80Y162C	647,510	4,436,950	5.00	3.00	5.00	2.000	N	N	N	100	50	N
80Y163C	647,300	4,437,100	3.00	.70	.50	>2.000	N	N	N	50	50	N
80Y164C	647,040	4,437,550	--	--	--	--	--	--	--	--	--	--
80Y165C	646,095	4,438,150	--	--	--	--	--	--	--	--	--	--
80Y166C	645,515	4,438,120	--	--	--	--	--	--	--	--	--	--
80Y167C	645,100	4,438,380	--	--	--	--	--	--	--	--	--	--
80Y168C	645,100	4,438,260	--	--	--	--	--	--	--	--	--	--
80Y170C	635,840	4,429,340	5.00	3.00	5.00	2.000	N	N	N	50	300	N
80Y171C	635,990	4,428,530	7.00	1.00	.70	>2.000	N	N	N	30	50	N
80Y172C	636,120	4,428,610	5.00	2.00	2.00	>2.000	N	N	N	70	300	N
80Y173C	637,125	4,428,180	3.00	3.00	5.00	2.000	N	N	N	50	100	N
80Y174C	637,840	4,429,200	5.00	3.00	1.00	1.500	N	N	N	100	200	N
80Y175C	641,840	4,427,900	3.00	1.00	.30	2.000	N	N	N	200	150	N
80Y176C	642,070	4,427,900	1.50	.70	.30	2.000	N	N	N	<20	200	N
80Y177C	643,370	4,427,190	3.00	.70	.20	>2.000	N	N	N	<20	50	N
80Y178C	643,260	4,427,230	2.00	.70	.30	>2.000	N	N	N	100	150	N
80Y179C	644,530	4,425,150	3.00	.70	.20	>2.000	N	N	N	70	70	N
80Y180C	644,630	4,424,820	5.00	1.00	.20	>2.000	N	N	N	100	70	N
80Y181C	643,185	4,425,850	3.00	.70	.30	>2.000	N	N	N	100	100	N
80Y182C	642,700	4,425,390	3.00	.50	.07	>2.000	N	N	N	20	<50	N
80Y183C	640,260	4,430,970	3.00	5.00	5.00	2.000	N	N	N	200	2,000	N
80Y184C	640,330	4,430,920	3.00	5.00	.50	1.000	7.0	N	<20	150	200	N
80Y186C	640,830	4,431,960	2.00	20.00	.50	1.500	5.0	N	N	20	1,500	N
80Y187C	640,820	4,432,010	2.00	15.00	.50	>2.000	2.0	N	<20	50	700	N
80Y188C	641,070	4,432,170	3.00	3.00	.50	>2.000	N	N	N	70	500	N
80Y189C	641,970	4,432,280	5.00	3.00	.70	>2.000	N	N	N	50	300	N
80Y190C	642,580	4,432,140	2.00	10.00	1.00	>2.000	N	N	N	100	1,000	N
80Y191C	642,670	4,432,010	3.00	5.00	.50	1.500	15.0	N	N	50	500	N
80Y192C	642,980	4,432,000	3.00	1.00	.30	2.000	N	N	200	50	200	N
80Y193C	646,120	4,431,150	5.00	1.50	.50	1.000	N	N	N	50	300	N
80Y194C	646,190	4,431,080	3.00	2.00	.50	1.500	N	N	N	100	500	N
80Y195C	646,110	4,430,860	5.00	3.00	1.50	2.000	N	N	N	100	300	N
80Y196C	646,810	4,430,520	3.00	1.50	.50	>2.000	N	N	N	50	300	N
80Y197C	646,460	4,430,510	5.00	3.00	.50	2.000	N	N	N	100	500	N
80Y198C	646,840	4,430,300	5.00	.20	.15	2.000	N	N	N	20	200	N

Sample	Bi-ppm _s	Co-ppm _s	Cr-ppm _s	Cu-ppm _s	La-ppm _s	Mn-ppm _s	Mo-ppm _s	Nb-ppm _s	Ni-ppm _s	Pb-ppm _s	Sc-ppm _s	Sn-ppm _s
80Y150C	N	N	50	10	150	300	N	N	N	20	--	N
80Y151C	N	70	1,000	20	<50	700	N	N	1,500	N	--	N
80Y152C	--	--	--	--	--	--	--	--	--	--	--	--
80Y153C	--	--	--	--	--	--	--	--	--	--	--	--
80Y155C	N	70	2,000	30	N	700	N	<50	700	N	--	N
80Y156C	N	50	1,000	10	<50	700	N	70	1,000	N	--	N
80Y157C	--	--	--	--	--	--	--	--	--	--	--	--
80Y158C	--	--	--	--	--	--	--	--	--	--	--	--
80Y159C	N	30	3,000	10	50	700	N	50	200	N	--	N
80Y160C	--	--	--	--	--	--	--	--	--	--	--	--
80Y162C	N	30	700	30	N	700	N	N	200	N	--	N
80Y163C	N	N	300	10	<50	300	N	50	N	N	--	N
80Y164C	--	--	--	--	--	--	--	--	--	--	--	--
80Y165C	--	--	--	--	--	--	--	--	--	--	--	--
80Y166C	--	--	--	--	--	--	--	--	--	--	--	--
80Y167C	--	--	--	--	--	--	--	--	--	--	--	--
80Y168C	--	--	--	--	--	--	--	--	--	--	--	--
80Y170C	N	30	1,000	70	50	1,000	N	50	200	N	--	N
80Y171C	N	N	200	20	200	300	30	70	20	20	--	20
80Y172C	N	30	700	30	70	500	N	50	150	N	--	N
80Y173C	N	30	300	10	70	700	15	50	300	N	--	N
80Y174C	N	15	100	30	50	700	N	<50	100	N	--	N
80Y175C	N	10	70	20	150	500	N	N	N	N	--	N
80Y176C	N	10	100	<10	70	300	N	70	50	N	--	N
80Y177C	N	N	100	10	200	300	15	70	N	N	--	20
80Y178C	N	N	100	<10	150	300	N	N	N	N	--	N
80Y179C	N	N	100	50	200	300	10	50	N	N	--	N
80Y180C	N	N	150	<10	500	500	20	50	N	N	--	<20
80Y181C	N	N	100	<10	300	500	N	<50	N	N	--	N
80Y182C	N	N	150	<10	500	500	30	70	N	20	--	N
80Y183C	N	300	500	1,500	50	1,000	N	<50	500	N	--	N
80Y184C	N	150	100	3,000	50	700	N	N	100	300	--	N
80Y186C	N	1,500	100	1,500	70	500	N	N	700	1,000	--	N
80Y187C	N	100	150	300	70	500	N	70	150	200	--	N
80Y188C	N	20	150	150	<50	700	N	70	30	50	--	N
80Y189C	N	20	200	100	<50	1,000	N	50	50	20	--	N
80Y190C	N	500	200	700	70	700	N	<50	300	300	--	N
80Y191C	N	20	100	200	70	500	1,000	50	30	>20,000	--	15
80Y192C	N	30	100	30	50	300	10	<50	N	500	--	N
80Y193C	N	10	100	30	50	500	N	<50	50	200	--	N
80Y194C	N	15	100	50	50	700	N	<50	50	500	--	N
80Y195C	N	30	500	50	100	700	10	150	150	500	--	N
80Y196C	N	20	100	20	200	500	50	50	N	700	--	N
80Y197C	N	30	150	100	150	500	20	100	70	500	--	N
80Y198C	N	N	70	<10	200	300	N	N	N	N	--	N

Sample	Sr-ppm _s	Th-ppm _s	V-ppm _s	W-ppm _s	Y-ppm _s	Zn-ppm _s	Zr-ppm _s	Au-ppm _{as}	Pd-ppm _{as}	Rh-ppm _{as}
80Y150C	<200	<200	100	N	500	N	>2,000	--	--	--
80Y151C	N	N	100	N	70	N	>2,000	--	--	--
80Y152C	--	--	--	--	--	--	--	7.000	.010	N
80Y153C	--	--	--	--	--	--	--	N	.010	N
80Y155C	300	N	200	N	50	N	1,500	--	--	--
80Y156C	200	N	200	N	30	N	1,000	--	--	--
80Y157C	--	--	--	--	--	--	--	2.000	.005	N
80Y158C	--	--	--	--	--	--	--	N	.005	N
80Y159C	700	N	500	N	100	N	>2,000	--	--	--
80Y160C	--	--	--	--	--	--	--	.002	N	N
80Y162C	300	N	300	N	50	N	300	--	--	--
80Y163C	200	N	300	N	200	N	2,000	--	--	--
80Y164C	--	--	--	--	--	--	--	N	.002	N
80Y165C	--	--	--	--	--	--	--	10.000	.003	N
80Y166C	--	--	--	--	--	--	--	.003	.003	N
80Y167C	--	--	--	--	--	--	--	1.000	.001	N
80Y168C	--	--	--	--	--	--	--	N	.005	N
80Y170C	500	N	300	N	70	N	2,000	--	--	--
80Y171C	200	300	500	N	1,000	N	>2,000	--	--	--
80Y172C	500	N	300	N	100	N	>2,000	--	--	--
80Y173C	300	N	200	150	70	N	>2,000	--	--	--
80Y174C	1,000	N	200	N	50	N	2,000	--	--	--
80Y175C	300	200	150	N	200	N	>2,000	--	--	--
80Y176C	200	N	150	N	200	N	>2,000	--	--	--
80Y177C	N	500	300	N	500	N	>2,000	--	--	--
80Y178C	200	300	200	N	300	N	>2,000	--	--	--
80Y179C	<200	200	300	N	500	N	>2,000	--	--	--
80Y180C	<200	N	300	N	300	N	>2,000	--	--	--
80Y181C	<200	200	300	N	300	N	>2,000	--	--	--
80Y182C	N	200	300	N	500	N	>2,000	--	--	--
80Y183C	700	N	200	<100	70	N	2,000	--	--	--
80Y184C	700	N	200	N	70	N	>2,000	--	--	--
80Y186C	500	N	100	100	70	N	>2,000	--	--	--
80Y187C	<200	N	150	N	200	N	1,000	--	--	--
80Y188C	300	N	200	N	200	N	1,000	--	--	--
80Y189C	300	N	300	N	100	N	1,000	--	--	--
80Y190C	500	N	150	N	150	N	>2,000	--	--	--
80Y191C	700	N	300	150	70	N	>2,000	--	--	--
80Y192C	700	N	200	<70	150	N	>2,000	--	--	--
80Y193C	700	N	150	N	50	N	>2,000	--	--	--
80Y194C	700	N	150	N	70	N	>2,000	--	--	--
80Y195C	700	N	200	N	150	1,500	>2,000	--	--	--
80Y196C	700	N	200	N	200	N	>2,000	--	--	--
80Y197C	1,000	N	200	N	200	N	>2,000	--	--	--
80Y198C	200	N	150	N	300	N	>2,000	--	--	--

Sample	UTM EAST	UTM NORTH	Ca-pct. g	Fe-pct. g	Mg-pct. g	Ti-pct. g	Ag-ppm g	As-ppm g	Au-ppm g	B-ppm g	Ba-ppm g	Be-ppm g
80Y199C	646,950	4,430,085	2.00	3.00	.50	2.000	N	N	N	100	1,500	N
80Y200C	647,360	4,429,960	3.00	3.00	1.50	2.000	N	N	N	150	2,000	N
80Y201C	647,600	4,429,600	3.00	2.00	.50	2.000	N	N	100	70	2,000	N
80Y202C	671,970	4,411,230	3.00	1.50	.50	>2.000	200.0	2,000	500	70	300	N

Sample	Bi-ppm g	Co-ppm g	Cr-ppm g	Cu-ppm g	La-ppm g	Mn-ppm g	Mo-ppm g	Nb-ppm g	Ni-ppm g	Pb-ppm g	Sc-ppm g	Sn-ppm g
80Y199C	N	30	150	100	150	2,000	N	200	50	70	--	N
80Y200C	N	20	200	50	100	1,000	20	150	100	100	--	150
80Y201C	N	150	70	150	150	500	100	70	100	2,000	--	20
80Y202C	N	20	100	2,000	200	700	N	<50	50	3,000	--	>2,000

Sample	Sr-ppm g	Th-ppm g	V-ppm g	W-ppm g	Y-ppm g	Zn-ppm g	Zr-ppm g	Au-ppm ag	Pd-ppm ag	Rh-ppm ag
80Y199C	500	N	300	N	100	N	2,000	--	--	--
80Y200C	700	N	300	N	100	N	2,000	--	--	--
80Y201C	700	N	200	N	200	N	>2,000	--	--	--
80Y202C	200	700	200	100	300	N	>2,000	--	--	--

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