

UNITED STATES DEPARTMENT OF THE INTERIOR  
GEOLOGICAL SURVEY

DESCRIPTIONS AND CHEMICAL ANALYSES OF 270 ROCKS AND SOILS  
ANALYZED FOR PLATINUM-GROUP METALS  
FROM THE IRON CANYON AREA, LANDER COUNTY, NEVADA

By

Robert R. Carlson,<sup>1</sup> Paul E. Venuti,<sup>2</sup>  
Norman J. Page,<sup>2</sup> and Ted G. Theodore<sup>2</sup>

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This report is preliminary and has  
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conformity with Geological Survey  
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Introduction

The Iron Canyon area is located in the southeastern part of the Antler Peak 15-minute quadrangle, Nevada (fig. 1). This report presents the locations (fig. 2), and descriptions (table 1) and chemical analyses of 270 rocks and soils tested for platinum-group metals from Iron Canyon; 264 are rock samples and six are soil samples. The analyses listed in table 2 are the data used to construct the distribution diagrams and histograms in a report by Theodore and others (1976). Twenty-nine elements (Mg, Fe, Ca, Ti, As, Sb, W, V, Mo, Sn, Ni, Cr, Ba, Sr, B, Pb, Mn, Bi, Be, Nb, Y, Cd, Cu, Zr, Ag, La, Zn, Sc, and Co) were analyzed by a six-step spectrographic method (Grimes and Marranzino, 1968). The spectrographic results are reported to the nearest number in the series 1, 0.7, 0.5, 0.3, 0.2, 0.15, 0.1, and so on. The precision of a reported value is approximately plus 100 percent or minus 50 percent. Mercury and gold were analyzed by atomic-absorption methods (Vaughn and McCarthy, 1964; Thompson and others, 1968); gold in a few samples was analyzed by fire assay. Platinum, palladium, rhodium, ruthenium, and iridium were analyzed by fire-assay, emission spectrographic techniques (Cooley and others, 1976); rhodium, ruthenium, and iridium were not detected in any of the samples from Iron Canyon at lower detection levels of 0.002 to 0.5 ppm. The geology of the Iron Canyon area is described by Roberts (1964), Roberts and Arnold (1965), and Theodore and Roberts (1971).

Spectrographic analyses were made by N. M. Conklin, K. J. Curry, E. L. Mosier, J. M. Motooka, and K. C. Watts. Platinum-group metal analyses were made by R. R. Carlson, E. F. Cooley, and T. A. Doerge. Gold and mercury analyses were made by W. L. Campbell, L. Dickson, T. G. Ging, R. F. Hansen, W. W. Janes, H. D. King, W. B. Lynch, J. D. Hoffman, C. Huffman, C. L. Jacobson, B. Marshall, E. E. Martinez, P. Martinez, J. D. Menzik, R. L. Miller, J. M. Mitchell, K. R. Murphy, S. L. Noble, M. R. Parker, M. S. Rickard, L. B. Riley, T. A. Roemer, J. A. Thomas, J. E. Troxel, and G. H. VanSickle.

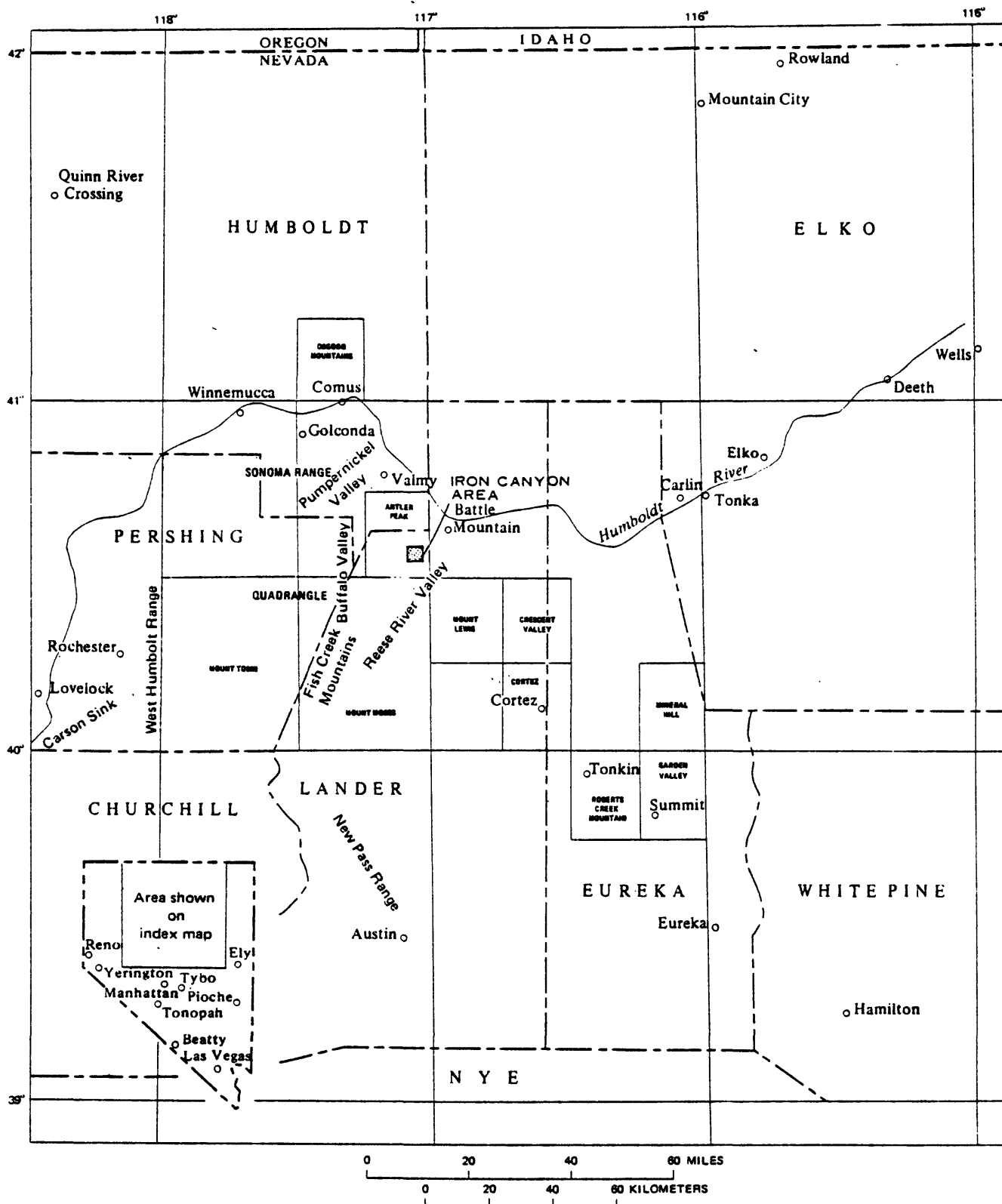


Figure 1. Location map of the Antler Peak quadrangle.

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Table 1.--Sample descriptions of 270 rocks and soils analyzed from the Iron Canyon area

[SC, Lower or Middle Cambrian Scott Canyon Formation; H, Upper Cambrian Harmony Formation; V, Ordovician Valmy Formation; T, Tertiary quartz monzonite or altered granodiorite porphyry dike]

Sample no.	Formation	Sample description
ADK-095	--	Fault breccia
-113	--	Iron oxide plus vein quartz
-130	--	Do.
-136	SC	Chert and iron-oxide-stained argillite
-147	--	Iron oxide and vein quartz
-152	SC	Chert, sulfide-bearing
-166	SC	Iron oxide and silicified chert
-174	SC	Chert and shale, iron-oxide-stained and brecciated
ADJ-963	SC	Greenstone, iron oxide along joints
-970	SC	Iron oxide, in chert and shale
ADJ-981	--	Iron oxide, vein quartz, and chert
-987	T	Porphyry dike, altered
ABB-844	SC	Chert, iron-oxide-stained
-853	--	Iron oxide and vein quartz
-876	--	Do.
-883	--	Iron oxide
-888	SC	Chert, copper-oxide-stained
-908	--	Iron oxide and vein quartz
-916	--	Do.
ADR-951	SC	Chert
ADR-957	T	Porphyry dike
-973	--	Iron oxide, from fault zone
-976	SC	Chert, sparse iron oxide
ADS-013	--	Iron oxide
-020	SC	Chert, sparse iron oxide
-030	SC	Do.
ACO-356	SC	Chert
-359	SC	Chert, some shale containing iron oxide on bedding
-419	SC	Chert and argillite
-456	SC	Chert, some iron oxide along fractures
ACO-459	--	Iron oxide
-494	SC	Chert, iron-oxide-stained and veined by quartz
-500	SC	Chert and argillite, brecciated and iron-oxide-stained
-506	SC	Greenstone, altered
-530	SC	Quartzite and chert, abundant iron oxide
-533	H	Arkose
-536	SC	Greenstone
-539	SC	Chert, some iron oxide
-549	SC	Greenstone, abundant iron oxide
-558	SC	Chert, abundant iron oxide
ACO-569	H	Arkose
-607	H	Arkose, micaceous
-681	SC	Shale
-748	H	Arkose
-769	H	Quartzite, pebbly; veined by quartz
-789	SC	Greenstone, sparse iron oxide
-807	T	Porphyry, altered and iron-oxide-stained
-814	SC	Chert and iron oxide
-834	SC	Chert and iron oxide
AEH-207	T	Porphyry, altered, and stained by iron oxide
AEH-238	SC	Chert and shale, sparse iron oxide
-248	--	Vein quartz and iron oxide, trace scorodite
-274	H	Quartzite, abundant iron oxide
-311	SC	Chert
-335	SC	Chert, sparse iron oxide
-379	V	Do.
-387	SC	Chert and iron oxide
-397	SC	Greenstone, sheared
-415	SC	Chert and vein quartz, moderate iron oxide
-432	SC	Greenstone
AEH-568	SC	Chert, iron oxide, and vein quartz
-587	SC	Chert and iron oxide
-609	SC	Chert and shale, altered
-629	SC	Chert, altered and brecciated; iron oxide along fractures
-817	SC	Chert
-823	SC	Do.
-836	SC	Greenstone
-841	SC	Chert, sparse to moderate iron oxide
-859	SC	Chert and iron oxide
-867	--	Iron oxide

Table 1.—Sample descriptions of 270 rocks and soils analyzed from the Iron Canyon area—Continued

Sample no.	Formation	Sample description
AEH-874	SC	Greenstone
-877	--	Iron oxide
-958	SC	Chert, sparse iron oxide
-983	SC	Chert and iron oxide
-993	SC	Greenstone
ADR-954	SC	Greenstone, sparse iron oxide
-955	SC	Greenstone, some iron oxide
-960	SC	Greenstone
-968	SC	Greenstone and sparse iron oxide
-969	SC	Do.
ADR-970	SC	Greenstone
-974	SC	Do.
-975	SC	Do.
ADK-076	SC	Do.
-077	SC	Chert, pod(?) in greenstone
-078	SC	Greenstone, altered
-079	SC	Do.
-080	SC	Do.
-081	SC	Do.
-082	SC	Do.
ADK-122	SC	Greenstone, iron-oxide-stained
-123	SC	Do.
-169	SC	Greenstone
-170	SC	Do.
-171	SC	Do.
-172	--	Calcite
-173	SC	Greenstone
-175	SC	Greenstone and calcite
-180	SC	Greenstone, calcite, and iron oxide
ACO-122	SC	Chert, iron oxide along fractures
ACO-123	--	Iron oxide, from minor shear zone
-124	--	Soil sample, collected 15 cm below ground surface
-125	--	Do.
-126	--	Do.
-127	--	Do.
-128	--	Do.
-129	SC	Greenstone
-130	SC	Do.
-131	SC	Do.
-132	SC	Chert, iron oxide along bedding
ACO-133	SC	Chert
-134	SC	Do.
-135	SC	Do.
-136	--	Iron oxide
-137	H	Quartzite
-138	T	Porphyry dike
-139	--	Fault breccia
-140	--	Do.
-141	--	Do.
-142	--	Do.
ACO-143	--	Fault breccia
-144	--	Do.
-145	--	Do.
-146	SC	Chert, iron oxide along bedding
-147	SC	Greenstone
-148	SC	Chert, moderate iron oxide along bedding
-149	SC	Chert, sparse iron oxide along bedding
-150	--	Iron oxide
-151	SC	Chert, iron oxide stained and veined by quartz
-152	SC	Do.
ACO-153	SC	Greenstone
-154	--	Soil sample, collected above sample ACO-153
-155	SC	Greenstone
-156	T	Porphyry dike
-157	SC	Greenstone
-158	T	Porphyry dike
-159	--	Vein quartz
-160	T, SC	Porphyry and chert, iron-oxide-stained
-161	T	Porphyry, altered and stained by iron oxide
-162	T	Porphyry, altered

Table 1.--Sample descriptions of 270 rocks and soils analyzed from the Iron Canyon area--Continued

Sample no.	Formation	Sample description
ACO-322	--	Iron oxide along Butte fault, dark-brick-red
-323	--	Iron oxide
-324	SC	Chert and shale, sheared, iron-oxide-stained
-325	SC	Chert and shale, dark-red iron oxide; some scorodite
-326	--	Fault gouge, mainly sheared chert and shale
-327	--	Porphyry, altered
-328	--	Fault breccia, altered to clay and stained by iron oxide
-329	T	Porphyry, altered and brecciated
-330	--	Fault gouge
-331	--	Do.
ACO-332	--	Do.
-333	--	Do.
-334	SC	Chert, iron-oxide-stained and brecciated
-335	--	Iron oxide, along Butte fault
-336	SC	Chert, brecciated and stained heavily by iron oxide
-337	T	Porphyry, altered intensely to clay
-338	SC	Chert, intensely stained by iron oxide, brecciated
-339	--	Iron oxide, along Butte fault
-340	T	Porphyry, altered intensely to clay
-341	--	Iron oxide, along Butte fault
ACO-342	SC	Chert and shale, sheared, altered to clay
-343	T	Porphyry, altered, stained intensely by iron oxide
-344	--	Fault breccia, abundant iron oxide
-345	--	Iron oxide, along Butte fault
-346	--	Clay gouge, along Butte fault
-367	SC	Shale, some iron oxide
-368	SC	Chert and iron oxide
-369	SC	Iron oxide, chert, and argillite
-370	--	Iron oxide, some scorodite
-374	--	Iron oxide
ACO-375	SC	Argillite and chert
-376	SC	Argillite
-377	SC	Chert, abundant iron oxide
-378	T	Porphyry, altered
-379	V	Quartzite
-380	--	Iron oxide, collected 15 cm from fault
-381	V	Quartzite and pebbly sandstone, altered
-382	V	Quartzite
-383	--	Iron oxide
-384	SC	Chert and argillite, some iron oxide
ACO-385	SC	Argillite and chert, some iron oxide
-386	SC	Argillite, stained by iron oxide
-387	SC	Argillite and chert, abundant vein quartz
-388	T	Porphyry dike, iron oxide along fractures
-389	V	Quartzite
-390	--	Iron oxide
-391	SC	Chert and argillite, stained intensely by iron oxide
-392	--	Iron oxide
-393	--	Do.
-394	V	Quartzite
ACO-395	V	Quartzite, iron oxide along fractures
-396	--	Iron oxide, along minor fault
-397	T	Porphyry dike, along fault
-398	--	Iron oxide, along fault
-399	V	Quartzite, abundant iron oxide
-400	SC	Chert, abundant iron oxide
-401	SC	Chert and argillite
-402	SC	Chert and argillite, stained by iron oxide
-403	SC	Chert, stained by iron oxide
-404	SC	Chert
ACO-405	--	Iron oxide
-406	SC	Chert, stained by iron oxide
-407	T	Porphyry
-408	SC	Chert, stained by iron oxide
-409	SC	Chert, stained by iron oxide and veined by quartz
-410	SC	Chert and argillite
-411	SC	Greenstone
-412	--	Iron oxide
-413	T	Porphyry dike
-414	--	Iron oxide

Table 1.--Sample descriptions of 270 rocks and soils analyzed from the Iron Canyon area--Continued

Sample no.	Formation	Sample descriptions
ACO-415	SC	Chert, stained by iron oxide
AEH-492	SC	Greenstone
-493	SC	Do.
-494	SC	Do.
-495	SC	Do.
-496	SC	Do.
-497	SC	Do.
-498	SC	Do.
-499	T	Porphyry dike, altered
-500	SC	Greenstone
AEH-501	SC	Do.
-502	SC	Do.
-503	SC	Do.
-504	T	Porphyry
-505	SC	Greenstone
-506	T	Porphyry
-507	SC	Greenstone
-508	SC	Do.
-509	SC	Do.
-510	SC	Chert, sparse iron oxide
AEH-511	SC	Chert, iron oxide along fracture
-512	SC	Greenstone
-514	SC	Do.
-515	--	Iron oxide
-517	SC	Greenstone, some iron oxide
-520	--	Iron oxide
-521	--	Do.
-522	--	Vein quartz and sulfides
-523	SC	Chert, altered, stained by iron oxide
-524	SC	Do.
AEH-525	SC	Chert and iron oxide
-526	SC	Do.
-527	SC	Greenstone
-528	SC	Do.
-529	SC	Do.
-531	SC	Greenstone, altered and stained by iron oxide
-532	--	Iron oxide
-533	T	Porphyry dike, altered; some iron oxide
-534	SC	Chert
-535	SC	Greenstone
AEH-536	SC	Chert and iron oxide
-537	SC	Do.
-538	SC	Do.
-594	SC	Chert and shale, sparse iron oxide
-595	--	Iron oxide
-596	SC	Greenstone, altered, and stained by iron oxide
-597	--	Iron oxide
-598	SC	Greenstone
-599	SC	Greenstone, altered, and stained by iron oxide
-600	--	Iron oxide
AEH-601	T	Porphyry, altered
-602	SC	Greenstone
-603	SC	Do.
-656	SC	Chert, sparse iron oxide
-657	SC	Do.
-658	SC	Greenstone
-659	SC	Do.
-660	SC	Greenstone and iron oxide
-661	SC	Greenstone and sparse iron oxide
-662	SC	Do.



Table 2.—*Semiquantitative spectrographic analyses and chemical analyses for Au, Hg, Pt, and Pd of 270 rocks and soils from the Iron Canyon area*

[G, greater than upper limit of determination or greater than value shown; N, not detected at limit of detection or at value shown; L, detected but below limit of determination or below value shown; B, not determined. Analysts: Spectrographic results, N. M. Conklin, K. J. Curry, E. L. Mosier, J. M. Motooka, K. C. Watts; Pt-group metals, R. R. Carlson, E. F. Cooley, T. A. Doerge; Au and Hg, W. L. Campbell, L. Dickson, T. G. Ging, R. F. Hansen, W. W. Janes, H. D. King, W. B. Lynch, J. D. Hoffman, C. Huffman, C. L. Jacobson, B. Marshall, E. E. Martinez, P. Martinez; J. D. Menzik, R. L. Miller, J. M. Mitchell, K. R. Murphy, S. L. Noble, M. R. Parker, M. S. Rickard, L. B. Riley, T. A. Roemer, J. A. Thomas, J. E. Troxel, and G. H. VanSickle]

(tabular material follows)

## PT-PD DATA IRON CANYON

SAMPLE	MG	FE	CA	TI	AS	SP	W	V	MU	SN
ADK095	3000.	0.6	7000.	15000.	0.N	0.N	0.N	700.	10.00L	0.0 N
ADK113	3000.	0.6	700.	1500.	0.N	0.N	0.N	300.	15.00	0.0 N
ADK130	3000.	50000.	700.	700.	0.N	0.N	0.N	70.	7.00	0.0 N
ADK136	30000.	0.6	5000.	700.	0.N	0.N	0.N	70.	0.0 N	0.0 N
ADK147	200.	70000.	1500.	300.	10000.	700.	0.N	150.	15.00	20.00L
ADK152	300.	30000.	700.	1500.	0.N	0.N	0.N	70.	0.0 N	10.00
ADK166	1500.	30000.	1500.	1500.	0.N	0.N	0.N	150.	15.00	15.00
ADK174	15000.	50000.	2000.	1500.	0.N	0.N	0.N	100.	7.00	0.0 N
ADJ963	20000.	70000.	5000.	10000.	0.N	0.N	0.N	300.	10.00L	0.0 N
ADJ970	15000.	70000.	10000.	15000.	0.N	0.N	0.N	500.	10.00L	0.0 N
ADJ981	1500.	0.6	1500.	500.	0.N	0.N	0.N	100.	0.0 N	0.0 N
ADJ987	1500.	70000.	3000.	3000.	20000.	0.N	0.N	150.	0.0 N	70.00
AB8844	7000.	70000.	15000.	1000.	700.	100.L	100.L	100.	3.00	10.00L
AB8853	3000.	100000.	5000.	1000.	500.L	100.L	100.L	100.	7.00	10.00L
AB8876	3000.	100000.	3000.	1000.	500.L	300.	100.L	70.	7.00	10.00L
AB8883	7000.	50000.	5000.	1500.	500.L	100.L	100.L	70.	3.00	10.00L
AB8888	2000.	20000.	1000.	1500.	700.	100.	100.L	50.	2.00	10.00L
AB8908	10000.	30000.	10000.	1000.	500.L	100.L	100.L	200.	2.00	10.00L
AB8916	5000.	70000.	2000.	5000.	1000.	500.	300.	70.	2.00	10.00L
ADR951	3000.	15000.	700.	1000.	200.L	100.L	50.L	20.	5.00L	10.00L
ADR957	5000.	10000.	1500.	500.	200.L	100.L	50.L	10.	5.00L	10.00L
ADR973	3000.	150000.	1000.	5000.	300.	100.L	50.L	200.	5.00L	10.00L
ADR976	1000.	10000.	5000.	2000.	200.L	100.L	50.L	500.	5.00	10.00L
ADS013	500.	150000.	1500.	1500.	2000.	100.L	1500.	70.	5.00L	20.00
ADS020	2000.	20000.	500.	3000.	200.L	100.L	50.L	100.	5.00L	10.00L
ADS030	1000.	100000.	1000.	1000.	200.	100.L	50.L	200.	5.00L	10.00L
AC0356	5000.	15000.	500.L	1000.	200.	0.N	0.N	30.	0.0 N	0.0 N
AC0359	10000.	50000.	1000.	2000.	2000.	0.N	50.L	70.	0.0 N	10.00L
AC0419	1500.	5000.	1000.	1000.	200.	0.N	50.L	50.	0.0 N	10.00L
AC0456	1000.	1500.	1500.	700.	0.N	100.L	50.L	50.	0.0 N	10.00L
AC0459	1500.	100000.	500.	10000.	1500.	200.	50.L	300.	0.0 N	50.00
AC0494	1000.	7000.	700.	700.	200.	100.L	50.L	100.	5.00L	10.00L
AC0500	200.	20000.	2000.	3000.	0.N	100.L	50.L	150.	0.0 N	10.00L
AC0506	1000.	70000.	30000.	10000.G	0.N	100.L	50.L	200.	0.0 N	10.00L
AC0530	100.	5000.	1500.	700.	0.N	100.L	50.L	50.	0.0 N	10.00L
AC0533	3000.	15000.	1000.	2000.	0.N	100.L	50.L	50.	0.0 N	10.00L
AC0536	15000.	100000.	50000.	10000.	0.N	100.L	50.L	200.	0.0 N	10.00L
AC0539	7000.	15000.	1000.	2000.	200.L	100.L	50.L	70.	5.00L	10.00L
AC0549	7000.	100000.	30000.	10000.G	200.L	100.L	50.L	100.	5.00L	10.00L
AC0558	1000.	20000.	700.	1000.	200.L	100.L	50.L	150.	5.00L	10.00L
AC0569	1000.	5000.	1000.	700.	200.L	100.L	50.L	20.	5.00L	10.00L
AC0607	3000.	20000.	5000.	5000.	200.L	100.L	50.L	30.	5.00L	10.00L
AC0681	10000.	50000.	5000.	10000.	200.L	100.L	50.L	150.	5.00L	10.00L
AC0748	3000.	20000.	1500.	2000.	200.L	100.L	50.L	30.	5.00L	10.00L
AC0769	7000.	30000.	1500.	5000.	200.L	100.L	50.L	70.	5.00L	10.00L
AC0789	30000.	200000.	7000.	0.6	0.N	0.N	50.L	700.	0.0 N	0.0 N
AC0807	2000.	150000.	15000.	5000.	1000.	200.	50.L	200.	0.0 N	30.00
AC0814	3000.	150000.	2000.	2000.	0.N	100.L	50.L	300.	15.00	0.0 N
AC0834	700.	15000.	5000.	700.	200.L	100.L	50.L	70.	10.00	0.0 N
AEH207	20000.	50000.	10000.	3000.	200.L	100.L	50.L	100.	0.0 N	0.0 N

## PT-PD DATA IRON CANYON

SAMPLE	NI	CR	BA	SR	R	PR	MN	BI	RF	N3
ADK095	30.00	15.00	3000.	300.	0.8	0.0	1500.	0.0	1.00	15.
ADK113	50.00	100.00	3000.	0.0	0.0	0.0	150.	0.0	3.00	0.0
ADK130	30.00	30.00	3000.	15.	0.0	10.	150.	0.0	0.0	0.0
ADK136	70.00	15.00	300.	30.	0.0	20.	300.	0.0	1.00	0.0
ADK147	15.00	30.00	10000.	150.	0.0	7000.	50.	70.	0.0	0.0
ADK152	3.00	30.00	20000.	70.	0.0	300.	30.	15.	0.0	0.0
ADK166	15.00	50.00	1500.	100.	0.0	300.	70.	0.0	0.0	0.0
ADK174	700.00	30.00	300.	30.	0.0	10.	300.	0.0	0.0	0.0
ADJ963	50.00	30.00	1000.	150.	0.0	10.	700.	0.0	0.0	0.0
ADJ970	30.00	70.00	7000.	700.	0.0	20.	500.	0.0	1.50	0.0
ADJ981	100.00	15.00	700.	50.	0.0	20.	1000.	0.0	1.50	0.0
ADJ987	5.00	100.00	5000.	300.	0.0	700.	30.	0.0	3.00	0.0
AB8844	70.00	30.00	700.	70.	10.0	300.	100.	100.	1.00	0.0
AB8853	50.00	50.00	5000.0	100.	10.0	10.	300.	10.0	1.00	0.0
AB8876	20.00	20.00	1500.	50.0	10.	20.	100.	10.0	1.00	0.0
AB8883	3.00	20.00	1500.	50.0	10.	50.	70.	10.0	1.00	0.0
AB8888	20.00	30.00	300.	50.0	15.	70.	20.	10.0	1.00	0.0
AB8908	50.00	50.00	1500.	50.	10.0	50.	150.	10.0	1.00	0.0
AB8916	15.00	10.00	1000.	70.	10.0	700.	200.	1000.	1.00	0.0
ADR951	10.00	10.00	1000.	100.0	10.	10.0	300.	10.0	1.00	10.0
ADR957	5.00	10.00	2000.	100.	150.	10.	200.	10.0	5.00	100.
ADR973	100.00	70.00	700.	100.0	50.	10.	1500.	10.0	1.00	10.0
ADR976	10.00	50.00	1000.	100.0	70.	10.	70.	10.0	1.00	10.0
ADS013	10.00	15.00	700.	100.	10.0	500.	100.	100.	1.00	10.0
ADS020	5.00	20.00	1500.	100.0	10.0	10.0	150.	10.0	1.00	10.0
ADS030	10.00	50.00	5000.0	100.	10.	20.	50.	10.0	1.00	10.0
AC0356	20.00	10.00	1000.	0.0	20.	0.0	500.	10.0	1.00	10.0
AC0359	50.00	30.00	1500.	0.0	50.	0.0	3000.	10.0	1.00	10.0
AC0419	10.00	10.00	1000.	0.0	30.	0.0	50.	10.0	1.00	10.0
AC0456	0.0	10.00	700.	0.0	30.	0.0	100.	10.0	1.00	10.
AC0459	10.00	100.00	1000.	200.	100.	700.	150.	10.0	1.00	10.
AC0494	5.00	20.00	500.	100.0	50.	15.	70.	10.0	1.50	50.
AC0500	30.00	30.00	5000.0	100.0	10.0	30.	70.	10.0	1.00	10.0
AC0506	20.00	0.0	1500.	300.	70.	10.	2000.	10.0	1.00	10.
AC0530	15.00	20.00	3000.	0.0	20.	0.0	150.	10.0	2.00	50.
AC0533	10.00	20.00	300.	0.0	15.	0.0	500.	10.0	1.00	10.
AC0536	50.00	1000.00	3000.	7000.	15.	10.	1000.	10.0	1.00	10.
AC0539	20.00	15.00	2000.	100.0	50.	0.0	200.	10.0	0.0	20.
AC0549	50.00	30.00	150.	100.0	15.	10.0	700.	10.0	1.50	10.
AC0558	50.00	30.00	3000.	0.0	50.	10.	300.	10.0	0.0	30.
AC0569	5.00	10.00	2000.	0.0	10.	20.	300.	10.0	1.50	15.
AC0607	20.00	20.00	300.	100.0	20.	500.	1000.	10.0	1.00	10.0
AC0681	30.00	75.00	1500.	100.0	100.	0.0	700.	10.0	2.00	20.
AC0748	15.00	15.00	300.	0.0	20.	0.0	300.	0.0	0.0	10.
AC0769	20.00	20.00	500.	100.0	50.	10.0	300.	10.0	1.50	10.
AC0789	100.00	150.00	3000.	100.	10.	10.	3000.	0.0	0.0	20.
AC0807	20.00	150.00	3000.	200.	20.	5000.	150.	10.	0.0	10.0
AC0814	200.00	50.00	1500.	0.0	100.	30.	300.	0.0	1.00	10.0
AC0834	30.00	10.00	700.	0.0	30.	10.	200.	10.0	1.00	10.
AEH207	30.00	50.00	1000.	500.	15.	70.	1000.	0.0	1.50	10.

## PT-PD DATA IRON CANYON

SAMPLE	Y	CD	CU	ZR	AG	LA	7N	SC	CO	AU
ADK095	70.00	0.0	150.00	0.0	0.0 N	70.	0.0	0.0	30.00	0.0500L
ADK113	70.00	0.0	300.00	0.0	0.0 N	30.	700.	0.0	0.0 N	0.0500L
ADK130	7.00	0.0	200.00	0.0	0.0 N	0.0	0.0	0.0	5.00	0.0500L
ADK136	70.00	0.0	200.00	0.0	0.0 N	30.	700.	0.0	15.00	0.0700
ADK147	15.00	70.	700.00	0.0	100.00	50.	700.	0.0	0.0 N	2.0000
ADK152	10.00	0.0	300.00	0.0	7.00	0.0	0.0	0.0	0.0 N	0.0500L
ADK166	15.00	0.0	100.00	0.0	5.00	0.0	300.	0.0	0.0 N	0.5000
ADK174	15.00	0.0	150.00	0.0	0.50	0.0	0.0	0.0	15.00	0.0500L
ADJ963	30.00	0.0	150.00	0.0	0.0 N	30.	0.0	0.0	30.00	0.0500L
ADJ970	30.00	0.0	150.00	0.0	0.0 N	30.	0.0	0.0	15.00	0.0500L
ADJ981	20.00	0.0	150.00	0.0	0.0 N	0.0	3000.	0.0	10.00	0.6000
ADJ987	20.00	0.0	70.00	0.0	7.00	30.	0.0	0.0	0.0 N	0.8000
AB8844	15.00	50.	300.00	50.	3.00	20.0	700.	7.00	5.00L	0.5000
AB8853	10.00	20.0	150.00	50.	1.00	20.0	200.0	7.00	5.00	0.1000L
AB8876	7.00	20.0	500.00	50.	0.50	20.0	200.0	7.00	5.00L	0.1000L
AB8883	7.00	20.0	100.00	50.	1.00	20.0	200.0	5.00	5.00L	0.1000L
AB8888	7.00	20.0	200.00	50.	0.70	20.0	200.0	5.00	5.00L	0.1000L
AB8908	7.00	20.0	100.00	100.	0.70	20.0	200.	7.00	5.00L	0.1000L
AB8916	7.00	20.0	50.00	50.	70.00	20.0	200.0	7.00	5.00L	1.5000
ADR951	10.00L	20.0	10.00	50.	0.50L	20.	200.0	5.00	5.00L	0.1000L
ADR957	30.00	20.0	5.00	100.	0.50L	20.0	200.0	5.00	5.00L	0.1000L
ADR973	10.00	20.0	100.00	70.	0.50	20.	300.	5.00	20.00	0.1000L
ADR976	10.00	20.0	50.00	70.	0.50	20.	300.	5.00	20.00	0.1000L
ADS013	10.00L	20.0	1000.00	30.	100.00	20.0	700.	5.00	50.00	16.3000
ADS020	10.00L	20.0	70.00	50.	0.50L	20.	200.0	5.00	5.00L	0.1000
ADS030	10.00L	20.0	200.00	50.	2.00	20.0	200.0	5.00	5.00L	0.1000L
AC0356	0.0 N	20.0	50.00	30.	0.0 N	0.0	0.0	5.00	0.0 N	0.0200L
AC0359	10.00	20.0	50.00	100.	0.50	0.0	0.0	5.00	5.00	0.0200L
AC0419	10.00L	20.0	10.00L	20.	0.70	20.0	0.0	5.00	0.0 N	0.0200L
AC0456	0.0 N	20.0	7.00	30.	0.50L	0.0	0.0	0.0	5.00L	0.0200L
AC0459	15.00	20.0	300.00	150.	10.00	20.	500.	20.00	0.0 N	0.2000
AC0494	10.00L	20.0	7.00	30.	3.00	20.0	20.0	5.00L	5.00L	0.0200L
AC0500	10.00	20.0	5.00L	50.	0.0 N	20.0	300.	5.00L	5.00L	0.0200L
AC0506	30.00	20.0	150.00	150.	0.0 N	20.	200.0	20.00	30.00	0.0200L
AC0530	0.0 N	20.0	5.00	30.	0.0 N	0.0	200.0	0.0	5.00L	0.4000
AC0533	20.00	20.0	5.00L	500.	0.0 N	0.0	200.0	5.00	5.00L	0.0200L
AC0536	30.00	20.0	100.00	100.	0.0 N	20.	200.0	5.00L	50.00	0.0200L
AC0539	10.00	20.0	10.00	100.	0.50L	20.0	200.0	7.00	5.00	0.0200L
AC0549	30.00	20.0	20.00	200.	0.50L	30.	200.0	5.00L	30.00	0.0200L
AC0558	15.00	20.0	30.00	100.	0.50L	20.0	200.0	7.00	15.00	0.0200L
AC0569	10.00L	20.0	5.00	500.	0.50L	0.0	200.0	0.0	0.0 N	0.0200L
AC0607	10.00	20.0	10.00	200.	3.00	20.0	200.	5.00	5.00	0.0200L
AC0681	20.00	20.0	50.00	150.	0.0 N	30.	200.0	15.00	10.00	0.0200L
AC0748	15.00	20.0	7.00	200.	0.50L	0.0	200.0	5.00L	0.0 N	0.0200
AC0769	30.00	20.0	30.00	300.	0.0 N	20.	200.0	10.00	5.00	0.0300
AC0789	50.00	20.0	200.00	200.	0.0 N	0.0	200.	70.00	50.00	0.0200L
AC0807	10.00	0.0	200.00	100.	20.00	0.0	300.	20.00	0.0 N	0.3800
AC0814	50.00	0.0	150.00	70.	1.00	20.	5000.	10.00	10.00	0.0500
AC0834	15.00	0.0	50.00	200.	0.50	0.0	0.0	5.00L	5.00L	0.0200L
AEH207	10.00	20.0	30.00	100.	0.0 N	0.0	500.	20.00	10.00	0.0200L

## PT-PD DATA IRON CANYON

SAMPLE	HG	PT	PD	X COORD	Y COORD
ADK095	0.220000	0.0	N	379620.	111610.
ADK113	0.200000	0.0	N	377990.	111415.
ADK130	0.400000	0.0	N	377955.	112145.
ADK136	0.090000	0.0	N	378680.	112695.
ADK147	0.450000	0.0	N	378790.	112150.
ADK152	0.150000	0.0	N	378295.	111120.
ADK166	0.900000	0.0	N	380155.	112790.
ADK174	0.160000	0.0	N	379260.	112125.
ADJ963	0.060000	0.0	N	380125.	110555.
ADJ970	0.130000	0.0	N	381925.	111275.
ADJ981	0.100000	0.0	N	381680.	110345.
ADJ987	0.700000	0.0	N	380995.	110460.
ABR844	0.300000	0.0	N	377950.	110675.
ABR853	0.130000	0.0	N	377295.	110755.
ABR876	0.280000	0.0	N	377710.	109690.
ABR883	0.100000	0.0	N	377715.	108985.
ABR888	0.350000	0.0	N	377785.	108455.
ABR908	0.010000L	0.0	N	378645.	109800.
ABR916	0.300000	0.0	N	379420.	108955.
ADR951	0.050000	0.0	N	380400.	109980.
ADR957	0.030000	0.0	N	379400.	109785.
ADR973	0.740000	0.0	N	380275.	111205.
ADR976	0.030000	0.0	N	379300.	110505.
ADS013	0.0	0.0	N	377280.	108930.
ADS020	0.0	0.0	N	377135.	109755.
ADS030	0.0	0.0	N	378345.	110455.
AC0356	0.500000	0.0	N	382340.	112850.
AC0359	0.400000	0.0	N	382525.	112185.
AC0419	0.100000	0.0	N	378685.	114435.
AC0456	0.050000	0.0	N	380185.	114570.
AC0459	16.000000	0.0	N	379525.	113660.
AC0494	0.060000	0.0	N	381075.	114515.
AC0500	0.050000L	0.0	N	381235.	113745.
AC0506	0.070000	0.0	N	381755.	113435.
AC0530	1.400000	0.0	N	380445.	113645.
AC0533	0.050000L	0.0	N	381415.	114965.
AC0536	0.050000	0.0	N	382135.	114910.
AC0539	0.050000L	0.0	N	382655.	114905.
AC0549	0.050000L	0.0	N	382180.	114430.
AC0558	0.060000	0.0	N	382710.	114445.
AC0569	0.050000L	0.0	N	382710.	113590.
AC0607	0.0	0.0	N	382600.	111470.
AC0681	0.120000	0.0	N	382565.	110460.
AC0748	0.050000L	0.0	N	380160.	108855.
AC0769	0.050000L	0.0	N	380200.	108150.
AC0789	0.570000	0.0	N	381085.	111140./
AC0807	0.130000	0.0	N	381165.	109765.
AC0814	0.110000	0.0	N	381825.	109700.
AC0834	0.480000	0.0	N	382660.	109590.
AEH207	0.180000	0.0	N	381175.	108910.

DATE 3/30/76

## PT-PD DATA IRON CANYON

SAMPLE	MG	FE	CA	TI	AS	SR	W	V	MO	SN
AEH238	5000.	30000.	3000.	1000.	200.L	100.L	50.L	700.	0.0 N	0.0 N
AEH248	1000.	70000.	10000.	1000.	200.	100.L	50.L	300.	50.00	10.00L
AEH274	15000.	100000.	15000.	7000.	200.L	100.L	50.L	150.	0.0 N	0.0 N
AEH311	1000.	7000.	1500.	300.	0.N	100.L	50.L	70.	5.00L	0.0 N
AEH335	1000.	5000.	1000.	300.	200.L	100.L	50.L	30.	0.0 N	0.0 N
AEH379	1500.	3000.	700.	200.	200.L	100.L	50.L	10.	0.0 N	0.0 N
AEH387	15000.	70000.	10000.	300.	200.L	100.L	50.L	50.	7.00	10.00L
AEH397	20000.	70000.	2000.	10000.	200.L	100.L	50.L	300.	0.0 N	10.00L
AEH415	1000.	7000.	3000.	500.	200.	100.L	50.L	20.	0.0 N	0.0 N
AEH432	30000.	70000.	10000.	10000.	0.N	0.N	0.N	300.	0.0 N	0.0 N
AEH568	1000.	3000.	500.L	500.	0.N	0.N	0.N	30.	0.0 N	0.0 N
AEH587	2000.	7000.	1500.	7000.	0.N	0.N	0.N	200.	5.00L	0.0 N
AEH609	1500.	5000.	1000.	700.	0.N	0.N	0.N	200.	5.00	0.0 N
AEH629	1500.	15000.	500.	1500.	700.	0.N	0.N	150.	5.00	0.0 N
AEH817	2000.	10000.	1500.	500.	0.N	100.	0.N	50.	5.00	10.00L
AEH823	10000.	30000.	2000.	5000.	0.N	0.N	0.N	30.	0.0 N	0.0 N
AEH836	50000.	150000.	70000.	10000.G	0.N	0.N	0.N	500.	0.0 N	0.0 N
AEH841	1500.	7000.	700.	500.	0.N	0.N	0.N	20.	0.0 N	0.0 N
AEH859	3000.	50000.	7000.	700.	0.N	0.N	0.N	100.	5.00	0.0 N
AEH867	2000.	10000.	1000.	1000.	0.N	0.N	0.N	30.	0.0 N	0.0 N
AEH874	50000.	100000.	50000.	10000.	0.N	0.N	0.N	300.	0.0 N	0.0 N
AEH877	2000.	200000.	1500.	2000.	0.N	200.	0.N	70.	7.00	0.0 N
AEH958	2000.	15000.	700.	1500.	500.	0.N	0.N	150.	5.00	0.0 N
AEH983	3000.	30000.	5000.	15000.	200.L	0.N	0.N	150.	5.00	0.0 N
AEH993	70000.	100000.	200000.	7000.	0.N	0.N	0.N	200.	0.0 N	0.0 N
ADR954	30000.	200000.	5000.	10000.G	200.L	100.L	50.L	1000.	5.00L	10.00L
ADR955	30000.	150000.	50000.	10000.G	200.L	100.L	50.L	700.	5.00L	10.00L
ADR960	50000.	150000.	50000.	10000.G	200.L	100.L	50.L	500.	5.00L	10.00L
ADR968	50000.	100000.	3000.	10000.G	200.L	100.L	50.L	700.	5.00L	10.00L
ADR969	7000.	100000.	3000.	10000.G	200.L	100.L	100.	500.	5.00L	10.00L
ADR970	30000.	150000.	20000.	10000.G	200.L	100.L	50.L	1000.	5.00L	10.00L
ADR974	30000.	150000.	30000.	10000.G	200.L	100.L	50.L	1000.	5.00L	10.00L
ADR975	50000.	150000.	50000.	10000.G	200.L	100.L	50.L	1500.	5.00L	10.00L
ADK076	30000.	0.6	30000.	15000.	0.N	0.N	0.N	7000.	10.00L	0.0 N
ADK077	15000.	30000.	7000.	700.	1500.	0.N	0.N	70.	0.0 N	0.0 N
ADK078	20000.	70000.	3000.	7000.	1500.	0.N	0.N	300.	0.0 N	0.0 N
ADK079	20000.	70000.	3000.	5000.	2000.	0.N	0.N	150.	0.0 N	0.0 N
ADK080	15000.	70000.	10000.	30000.	0.N	0.N	0.N	200.	15.00	0.0 N
ADK081	30000.	70000.	15000.	15000.	0.N	200.	0.N	300.	0.0 N	0.0 N
ADK082	30000.	0.6	70000.	15000.	0.N	0.N	0.N	300.	0.0 N	0.0 N
ADK122	30000.	70000.	0.6	7000.	0.N	150.	0.N	300.	0.0 N	0.0 N
ADK123	30000.	70000.	7000.	15000.	0.N	0.N	0.N	500.	0.0 N	0.0 N
ADK169	70000.	70000.	50000.	7000.	0.N	0.N	0.N	300.	0.0 N	0.0 N
ADK170	70000.	70000.	70000.	15000.	0.N	0.N	0.N	300.	0.0 N	0.0 N
ADK171	30000.	70000.	30000.	15000.	0.N	0.N	0.N	700.	0.0 N	0.0 N
ADK172	5000.	10000.	0.6	1500.	0.N	0.N	0.N	30.	0.0 N	0.0 N
ADK173	50000.	70000.	7000.	15000.	0.N	0.N	0.N	300.	0.0 N	0.0 N
ADK175	50000.	70000.	0.6	10000.	0.N	0.N	0.N	150.	0.0 N	0.0 N
ADK180	50000.	70000.	70000.	7000.	1000.	0.N	0.N	300.	10.00L	0.0 N
AC0122	2000.	20000.	1000.	7000.	200.L	100.L	50.L	100.	0.0 N	10.00L

## PT-PD DATA IRON CANYON

SAMPLE	NI	CR	BA	SR	R	PR	MN	RT	RE	NB
AEH238	20.00	10.00	700.	0.N	1000.	200.	200.	10.L	1.00L	10.L
AEH248	100.00	20.00	1000.	200.	50.	100.	100.	10.L	1.50	10.
AEH274	10.00	50.00	300.	100.	10.	15.	300.	50.L	1.00L	10.
AEH311	10.00	15.00	200.	100.L	10.	10.	150.	10.L	1.00L	10.
AEH335	5.00	15.00	200.	0.N	10.	10.	100.	10.L	0.0 N	10.L
AEH379	5.00	5.00	150.	0.N	10.L	10.L	70.	10.L	1.00L	10.L
AEH387	50.00	15.00	300.	100.	10.L	10.L	300.	0.N	1.00	10.L
AEH397	150.00	200.00	700.	0.N	50.	0.N	1000.	0.N	0.0 N	10.L
AEH415	5.00	5.00	1500.	0.N	20.	100.	100.	10.L	1.00L	0.N
AEH432	30.00	20.00	2000.	100.L	10.L	10.L	500.	0.N	0.0 N	10.
AEH568	5.00	15.00	300.	0.N	10.L	10.L	100.	10.L	0.0 N	0.N
AEH587	50.00	15.00	300.	0.N	10.L	100.	100.	10.L	1.00L	0.N
AEH609	5.00	20.00	300.	0.N	15.	0.N	50.	10.L	0.0 N	0.N
AEH629	5.00L	5.00L	1000.	100.L	30.	20.	50.	10.L	1.00L	10.L
AEH817	10.00	10.00	700.	0.N	20.	10.	70.	0.N	1.00L	10.
AEH823	20.00	10.00	1000.	0.N	10.	10.L	300.	0.N	1.00L	20.
AEH836	150.00	200.00	500.	300.	20.	10.L	1500.	0.N	1.00L	20.
AEH841	10.00	5.00	700.	0.N	20.	10.	70.	0.N	1.00L	10.L
AEH859	20.00	15.00	700.	0.N	20.	10.	200.	10.L	1.00L	10.
AEH867	10.00	10.00	3000.	0.N	30.	200.	100.	10.	1.00L	10.
AEH874	100.00	150.00	2000.	150.	10.L	10.L	1000.	0.N	1.00L	30.
AEH877	100.00	50.00	1000.	200.	30.	20.	200.	0.N	2.00	15.
AEH958	10.00	70.00	5000.G	100.L	15.	70.	50.	0.N	1.00L	10.L
AEH983	70.00	70.00	5000.	100.L	10.	15.	200.	0.N	1.00L	10.
AEH993	300.00	2000.00	1500.	300.	10.L	15.	2000.	0.N	1.00L	15.
ADR954	30.00	50.00	700.	200.	10.L	10.L	2000.	10.L	1.00L	10.L
ADR955	30.00	50.00	1500.	300.	10.L	10.L	1500.	10.L	1.00L	10.L
ADR960	150.00	500.00	5000.G	200.	10.	10.	1000.	10.L	1.00L	10.L
ADR968	30.00	30.00	1000.	100.	10.L	10.L	1500.	10.L	1.00L	10.L
ADR969	10.00	15.00	3000.	100.	0.N	10.	10.L	500.	2.00	50.
ADR970	50.00	70.00	1000.	300.	10.	10.L	1500.	10.L	1.00L	10.L
ADR974	10.00	15.00	3000.	100.	10.L	10.L	1500.	10.L	1.00L	10.L
ADR975	150.00	70.00	2000.	500.	10.L	10.L	2000.	10.L	1.00L	10.L
ADK076	70.00	70.00	3000.	300.	0.R	0.N	1000.	0.N	1.00	15.
ADK077	70.00	15.00	300.	30.	0.R	15.	1000.	0.N	0.0 N	0.N
ADK078	70.00	70.00	5000.	70.	0.R	70.	1000.	0.N	1.00	15.
ADK079	70.00	150.00	700.	200.	0.R	15.	700.	0.N	1.00	10.
ADK080	150.00	150.00	3000.	150.	0.R	20.	500.	0.N	1.00	10.
ADK081	70.00	100.00	2000.	200.	0.R	30.	700.	0.N	0.0 N	15.
ADK082	70.00	200.00	1500.	300.	0.R	0.N	1500.	0.N	1.00	20.
ADK122	300.00	500.00	7000.	0.R	0.R	15.	1500.	0.N	0.0 N	10.
ADK123	15.00	70.00	7000.	0.R	0.R	70.	1000.	0.N	0.0 N	20.
ADK169	70.00	700.00	1000.	500.	0.R	15.	1000.	0.N	0.0 N	20.
ADK170	150.00	1000.00	1500.	500.	0.R	10.	1500.	0.R	0.0 N	30.
ADK171	70.00	1500.00	700.	200.	0.R	10.	700.	0.R	0.0 N	30.
ADK172	7.00	7.00	300.	500.	0.R	5.	2000.	0.R	0.0 N	0.N
ADK173	150.00	1000.00	3000.	100.	0.R	7.	1500.	0.R	0.0 N	30.
ADK175	70.00	500.00	700.	500.	0.R	5.	3000.	0.R	0.0 N	10.
ADK180	70.00	700.00	2000.	150.	0.R	0.N	1000.	0.R	0.0 N	15.
AC0122	20.00	10.00	300.	100.L	70.	10.L	300.	10.L	0.0 N	10.L

## PT-PD DATA IRON CANYON

SAMPLE	Y	CD	CU	ZR	AG	LA	ZN	SC	CO	AJ
AEH238	20.00	20.1	50.00	30.	1.00	50.	0.0 N	5.00	0.0 N	0.0200L
AEH248	20.00	20.1	300.00	30.	1.00	20.	700.	5.00	5.00L	0.2200
AEH274	15.00	20.1	20.00	500.	0.0 N	20.	0.0 N	5.00	7.00	0.0700
AEH311	10.00L	20.1	15.00	20.	0.70	20.	0.0 N	5.00L	5.00L	0.0800
AEH335	10.00L	20.1	30.00	15.	1.50	0.0 N	0.0 N	0.0 N	5.00	0.0200L
AEH379	0.0 N	20.1	7.00	0.0 N	0.0 N	0.0 N	0.0 N	0.0 N	5.00L	0.0200L
AEH387	10.00L	20.1	150.00	10.	0.50	20.	200.1	5.00	7.00	0.0200L
AEH397	30.00	20.1	50.00	100.	0.0 N	0.0 N	300.	70.00	20.00	0.0200L
AEH415	10.00L	20.1	10.00	10.	2.00	0.0 N	0.0 N	5.00	5.00	0.0200L
AEH432	20.00	0.0 N	70.00	100.	0.0 N	0.0 N	0.0 N	20.00	30.00	0.0200L
AEH568	0.0 N	0.0 N	5.00L	10.	1.00	0.0 N	0.0 N	5.00L	5.00L	0.0200L
AEH587	10.00L	0.0 N	15.00	20.	0.70	20.1	200.1	5.00L	5.00	0.0200L
AEH609	10.00L	0.0 N	10.00	30.	0.50	0.0 N	0.0 N	5.00L	5.00L	0.0200L
AEH629	10.00L	0.0 N	70.00	30.	1.50	0.0 N	0.0 N	5.00	5.00	0.0200L
AEH817	10.00L	0.0 N	30.00	30.	1.50	0.0 N	0.0 N	5.00L	0.0 N	0.0 N
AEH823	15.00	0.0 N	30.00	100.	0.70	20.	0.0 N	5.00	5.00	0.0 N
AEH836	30.00	0.0 N	100.00	150.	0.0 N	30.	0.0 N	30.00	100.00	0.0 N
AEH841	0.0 N	0.0 N	10.00	20.	0.50L	0.0 N	200.	5.00	0.0 N	0.0 N
AEH859	15.00	0.0 N	50.00	30.	0.50L	0.0 N	0.0 N	5.00	0.0 N	0.0 N
AEH867	10.00L	0.0 N	50.00	30.	2.00	0.0 N	500.	5.00L	0.0 N	0.0 N
AEH874	20.00	0.0 N	70.00	200.	0.50L	20.	0.0 N	20.00	50.00	0.0 N
AEH877	20.00	0.0 N	100.00	50.	0.50L	0.0 N	3000.	7.00	15.00	0.0 N
AEH958	10.00	0.0 N	30.00	100.	0.70	20.1	0.0 N	7.00	15.00	0.0 N
AEH983	10.00	0.0 N	70.00	70.	3.00	20.	200.1	5.00L	10.00	0.0 N
AEH993	20.00	0.0 N	30.00	70.	0.50	20.1	0.0 N	30.00	150.00	0.0 N
ADR954	50.00	20.1	100.00	200.	0.50L	50.	200.1	50.00	70.00	0.1000L
ADR955	30.00	20.1	100.00	200.	0.50L	50.	200.1	30.00	5.00	0.1000L
ADR960	30.00	20.1	10.00	200.	0.50L	20.	200.1	50.00	50.00	0.1000L
ADR968	20.00L	100.	200.00	200.	0.50L	20.	200.1	50.00	10.00	0.1000L
ADR969	30.00	20.1	70.00	300.	0.50L	20.	200.1	50.00	50.00	0.1000L
ADR970	50.00	20.1	100.00	200.	0.0 N	20.	200.1	50.00	70.00	0.1000L
ADR974	30.00	20.1	200.00	300.	0.0 N	70.	0.0 N	0.0 A	70.00	0.1000L
ADR975	70.00	0.0 N	150.00	0.0 A	0.0 N	0.0 N	300.	0.0 A	70.00	0.1000L
ADK076	30.00	0.0 N	150.00	0.0 A	0.0 N	0.0 N	0.0 N	0.0 A	70.00	0.0500L
ADK077	30.00	0.0 N	100.00	0.0 A	0.70	30.	0.0 N	0.0 A	70.00	0.0500L
ADK078	30.00	0.0 N	150.00	0.0 A	0.0 N	30.	300.	0.0 A	30.00	0.0500L
ADK079	30.00	0.0 N	150.00	0.0 A	0.0 N	0.0 N	200.	0.0 A	15.00	0.3000
ADK080	50.00	0.0 N	150.00	0.0 A	0.0 N	50.	0.0 N	0.0 A	30.00	0.0500L
ADK081	50.00	0.0 N	100.00	0.0 A	0.0 N	70.	0.0 N	0.0 A	50.00	0.0500L
ADK082	20.00	0.0 N	150.00	0.0 A	0.0 N	30.	0.0 N	0.0 A	70.00	0.0500L
ADK122	30.00	0.0 N	150.00	0.0 A	0.0 N	70.	0.0 N	0.0 A	15.00	0.0500L
ADK123	30.00	0.0 N	150.00	0.0 A	0.0 N	30.	0.0 N	0.0 A	30.00	0.1000
ADK169	30.00	0.0 N	150.00	0.0 A	0.0 N	50.	0.0 N	0.0 A	50.00	0.0500L
ADK170	30.00	0.0 N	150.00	0.0 A	0.0 N	50.	0.0 N	0.0 A	30.00	0.0500L
ADK171	10.00	0.0 N	20.00	0.0 A	0.0 N	0.0 N	0.0 N	0.0 A	0.0 N	0.0500L
ADK172	10.00	0.0 N	20.00	0.0 A	0.0 N	0.0 N	0.0 N	0.0 A	0.0 N	0.0500L
ADK173	30.00	0.0 N	150.00	0.0 A	0.0 N	70.	0.0 N	0.0 A	30.00	0.0500L
ADK175	20.00	0.0 N	100.00	0.0 A	0.0 N	30.	0.0 N	0.0 A	30.00	0.0800
ADK180	30.00	0.0 N	100.00	0.0 A	0.0 N	30.	0.0 N	0.0 A	30.00	0.0500L
ACO122	10.00L	20.1	100.00	50.	0.0 N	0.0 N	200.1	5.00	5.00L	0.0200L



## PT-PD DATA IRON CANYON

SAMPLE	HG	PT	PD	X COORD	Y COORD
AEM238	0.050000	0.0	N	381775.	108945.
AEM248	1.100000	0.0	N	382605.	108960.
AEM274	0.020000	0.0	N	381055.	109110.
AEM311	0.040000	0.0	N	382775.	109280.
AEM335	0.030000	0.0	N	381925.	108290.
AEM379	0.020000	0.0	N	378545.	113730.
AEM387	0.030000	0.0	N	378565.	114975.
AEM397	0.010000L	0.0	N	378045.	114500.
AEM415	0.090000	0.0	N	377810.	113710.
AEM432	0.010000L	0.0	N	377155.	113675.
AEM568	0.010000L	0.0	N	375475.	112490.
AEM587	0.010000L	0.0	N	376325.	112855.
AEM609	0.010000L	0.0	N	376325.	112170.
AEM629	0.030000	0.0	N	375720.	112220.
AEM817	0.080000	0.0	N	381150.	112135.
AEM823	0.010000L	0.0	N	381900.	112095.
AEM836	0.030000	0.0	N	381840.	112845.
AEM841	0.040000	0.0	N	381260.	112880.
AEM859	0.030000	0.0	N	377015.	111440.
AEM867	0.040000	0.0	N	377110.	112135.
AEM874	0.030000	0.0	N	377140.	112970.
AEM877	0.010000	0.0	N	377850.	112825.
AEM958	0.030000	0.0	N	378620.	108990.
AEM983	0.040000	0.0	N	378875.	108100.
AEM993	0.0	0.0	N	379540.	108190.
ADR954	0.180000	0.0	N	379745.	109845.
ADR955	0.130000	0.0	N	379650.	109975.
ADR960	0.030000	0.005000	0.010000	379485.	110095.
ADR968	0.060000	0.0	N	379680.	110435.
ADR969	0.090000	0.0	N	379880.	110450.
ADR970	0.020000	0.0	N	379840.	110800.
ADR974	0.060000	0.005000	0.010000	379620.	110830.
ADR975	0.040000	0.020000	0.020000	379345.	110870.
ADK076	0.280000	0.0	N	381225.	111205.
ADK077	0.350000	0.0	N	381345.	111000.
ADK078	0.300000	0.0	N	381390.	110910.
ADK079	0.600000	0.0	N	381400.	110815.
ADK080	0.280000	0.0	N	381415.	110975.
ADK081	0.280000	0.005000L	0.005000	381495.	111135.
ADK082	0.360000	0.0	N	379575.	111850.
ADK122	0.090000	0.0	N	377595.	112280.
ADK123	0.120000	0.0	N	377545.	112360.
ADK169	0.130000	0.005000	0.010000	380070.	112485.
ADK170	0.180000	0.005000	0.015000	379950.	112385.
ADK171	0.100000	0.0	N	379725.	112235.
ADK172	0.200000	0.0	N	379625.	112215.
ADK173	0.220000	0.0	N	379320.	112200.
ADK175	0.080000	0.0	N	379325.	112620.
ADK180	0.060000	0.0	N	379440.	112950.
AC0122	0.070000	0.0	N	379795.	112650.

## PT-PD DATA IRON CANYON

SAMPLE	MG	FE	CA	TI	AS	SR	W	V	MO	SN
AC0123	5000.	100000.	1000.	7000.	200.L	100.L	50.L	150.	5.00	10.00L
AC0124	20000.	70000.	5000.	10000.	200.L	100.L	50.L	200.	0.0 N	10.00L
AC0125	20000.	100000.	10000.	10000.G	200.L	100.L	50.L	700.	0.0 N	10.00L
AC0126	20000.	100000.	15000.	10000.G	200.L	100.L	50.L	500.	0.0 N	10.00L
AC0127	20000.	70000.	10000.	10000.G	200.L	100.L	50.L	200.	0.0 N	10.00L
AC0128	15000.	70000.	7000.	10000.	200.L	100.L	50.L	200.	0.0 N	10.00L
AC0129	15000.	100000.	10000.	10000.G	200.L	100.L	50.L	500.	0.0 N	10.00L
AC0130	30000.	100000.	30000.	10000.G	200.L	100.L	50.L	300.	0.0 N	10.00L
AC0131	20000.	100000.	10000.	10000.	200.L	100.L	50.L	300.	0.0 N	10.00L
AC0132	700.	50000.	2000.	1000.	500.	100.L	50.L	50.	10.00	10.00L
AC0133	500.	20000.	1500.	700.	0.N	100.L	50.L	20.	5.00	10.00L
AC0134	2000.	30000.	1000.	1000.	300.	100.L	50.L	150.	5.00	10.00L
AC0135	200.	100000.	1500.	300.	200.	100.L	50.L	150.	0.0 N	10.00L
AC0136	10000.	100000.	1000.	5000.	0.N	0.N	50.L	200.	5.00	10.00L
AC0137	2000.	7000.	1000.	1000.	0.N	0.N	50.L	10.	0.0 N	10.00L
AC0138	2000.	30000.	500.	5000.	500.	0.N	50.L	100.	5.00	10.00
AC0139	20000.	100000.	1000.	5000.	2000.	100.L	50.L	200.	5.00	50.00
AC0140	10000.	70000.	2000.	3000.	1500.	0.N	50.L	100.	0.0 N	0.0 N
AC0141	5000.	50000.	70000.	5000.	0.N	0.N	50.L	150.	10.00	0.0 N
AC0142	1000.	200000.	1000.	5000.	500.	2000.	50.L	150.	0.0 N	0.0 N
AC0143	500.	100000.	2000.	700.	10000.G	100.	50.L	15.	0.0 N	0.0 N
AC0144	500.	200000.	2000.	1500.	500.	100.	50.L	30.	0.0 N	0.0 N
AC0145	5000.	50000.	1000.	5000.	300.	100.L	50.L	100.	5.00L	10.00L
AC0146	1500.	30000.	1000.	1000.	200.L	100.L	50.L	50.	5.00L	10.00L
AC0147	30000.	100000.	5000.	10000.G	200.L	100.L	50.L	500.	0.0 N	0.0 N
AC0148	2000.	30000.	2000.	2000.	0.N	0.N	0.N	500.	15.00	0.0 N
AC0149	5000.	2000.	2000.	500.	0.N	0.N	0.N	200.	5.00	0.0 N
AC0150	1500.	150000.	3000.	1000.	0.N	0.N	0.N	150.	10.00	0.0 N
AC0151	1000.	10000.	1000.	1000.	0.N	0.N	0.N	150.	5.00	0.0 N
AC0152	500.	20000.	700.	1500.	0.N	0.N	0.N	70.	10.00	0.0 N
AC0153	30000.	70000.	70000.	10000.G	0.N	0.N	0.N	500.	0.0 N	0.0 N
AC0154	15000.	70000.	5000.	10000.	0.N	0.N	0.N	200.	0.0 N	0.0 N
AC0155	30000.	100000.	50000.	10000.G	0.N	0.N	0.N	500.	0.0 N	0.0 N
AC0156	10000.	30000.	2000.	5000.	0.N	0.N	0.N	200.	0.0 N	0.0 N
AC0157	20000.	100000.	20000.	10000.G	0.N	0.N	0.N	500.	0.0 N	0.0 N
AC0158	10000.	30000.	2000.	5000.	0.N	0.N	0.N	200.	0.0 N	0.0 N
AC0159	200.	1000.	1000.	200.	0.N	0.N	0.N	10.	5.00	0.0 N
AC0160	1000.	30000.	2000.	2000.	3000.	150.	0.N	150.	0.0 N	10.00
AC0161	1000.	50000.	500.	3000.	500.	100.	0.N	100.	0.0 N	30.00
AC0162	1000.	30000.	5000.	3000.	1000.	5000.	0.N	70.	0.0 N	20.00
AC0322	5000.	50000.	3000.	5000.	700.	200.	0.N	300.	0.0 N	100.00
AC0323	1500.	50000.	1500.	2000.	5000.	300.	50.L	200.	10.00	5.00
AC0324	1500.	20000.	2000.	1000.	200.	0.N	0.N	150.	10.00	10.00
AC0325	500.	150000.	1500.	1000.	5000.	300.	0.N	100.	15.00	0.0 N
AC0326	1000.	50000.	1500.	2000.	2000.	200.	0.N	150.	15.00	10.00
AC0327	700.	50000.	500.	3000.	2000.	200.	0.N	70.	0.0 N	20.00
AC0328	1000.	50000.	500.	5000.	1000.	100.	50.	100.	5.00	30.00
AC0329	700.	30000.	1000.	2000.	2000.	1000.	0.N	100.	15.00	15.00
AC0330	700.	50000.	1000.	1500.	7000.	1000.	0.N	50.	7.00	10.00
AC0331	1500.	20000.	2000.	2000.	1000.	200.	0.N	100.	5.00	15.00

## PT-PD DATA IRON CANYON

SAMPLE	NI	CR	RA	SR	R	PR	MN	PI	RF	RB
AC0123	70.00	100.00	2000.	300.	20.	150.	700.	10.L	2.00	10.
AC0124	50.00	100.00	700.	200.	30.	10.	1000.	10.L	1.00L	20.
AC0125	30.00	70.00	700.	100.	20.	10.	700.	10.L	0.0 N	20.
AC0126	50.00	70.00	300.	300.	15.	10.L	1000.	10.L	0.0 N	20.
AC0127	30.00	50.00	500.	150.	15.	10.L	700.	10.L	1.00L	10.
AC0128	30.00	70.00	500.	150.	20.	15.	1000.	10.L	1.00L	10.
AC0129	70.00	150.00	500.	100.	10.L	10.L	500.	10.L	0.0 N	20.
AC0130	70.00	200.00	5000.	2000.	10.	0.N	1000.	10.	0.0 N	20.
AC0131	100.00	300.00	700.	100.	15.	0.N	700.	10.L	0.0 N	10.
AC0132	30.00	20.00	1000.	0.N	20.	30.	5000.6	10.L	1.00	10.L
AC0133	20.00	15.00	1000.	0.N	30.	30.	5000.	10.	1.00	10.L
AC0134	20.00	50.00	1000.	0.N	50.	30.	200.	10.	1.00	10.L
AC0135	70.00	30.00	300.	0.N	10.L	70.	500.	0.N	1.00	10.L
AC0136	50.00	150.00	1000.	2000.	10.	700.	700.	0.N	1.00L	10.
AC0137	5.00	5.00	100.	0.N	10.L	10.L	150.	10.	1.00L	10.L
AC0138	5.00	30.00	1500.	100.	10.L	200.	50.	10.	1.00L	10.L
AC0139	30.00	300.00	1500.	200.	30.	5000.	300.	0.N	1.00L	10.L
AC0140	30.00	100.00	500.	200.	50.	30.	200.	10.	1.00	10.L
AC0141	10.00	150.00	200.	200.	10.	10.	300.	0.N	1.00L	10.L
AC0142	50.00	20.00	2000.	0.N	10.L	1500.	700.	50.	1.00	10.L
AC0143	15.00	30.00	700.	700.	20.	15.	20.	0.N	1.00L	10.L
AC0144	15.00	30.00	50.	0.N	10.	1500.	100.	50.	1.00L	10.L
AC0145	50.00	30.00	1500.	100.L	20.	70.	200.	10.L	1.00L	10.L
AC0146	30.00	70.00	2000.	0.N	20.	10.L	300.	10.L	1.00	10.L
AC0147	50.00	30.00	5000.	100.	10.L	10.L	500.	0.N	0.0 N	15.
AC0148	100.00	70.00	700.	0.N	150.	10.	50.	0.N	1.00	10.L
AC0149	10.00	10.00	500.	0.N	10.	10.	50.	0.N	0.0 N	10.L
AC0150	100.00	15.00	500.	0.N	20.	20.	300.	0.N	0.0 N	10.L
AC0151	20.00	10.00	200.	0.N	30.	10.	50.	10.L	0.0 N	10.L
AC0152	20.00	10.00	500.	0.N	50.	10.L	50.	10.L	0.0 N	10.L
AC0153	100.00	200.00	1500.	500.	10.L	10.L	1000.	0.N	0.0 N	10.
AC0154	30.00	70.00	700.	200.	30.	10.	1000.	0.N	1.00L	10.
AC0155	100.00	200.00	500.	100.	0.N	10.L	1000.	0.N	0.0 N	10.
AC0156	20.00	15.00	2000.	150.	10.	10.L	500.	0.N	1.00L	10.L
AC0157	150.00	300.00	5000.	200.	10.	0.N	700.	0.N	0.0 N	10.
AC0158	10.00	10.00	1000.	200.	20.	10.L	500.	0.N	1.00L	10.L
AC0159	10.00	5.00	300.	0.N	10.	0.N	20.	10.	0.0 N	10.L
AC0160	10.00	20.00	1500.	0.N	200.	500.	100.	20.	0.0 N	10.L
AC0161	5.00	20.00	5000.	0.N	10.	300.	50.	10.	0.0 N	10.L
AC0162	5.00	30.00	2000.	200.	500.	10000.	10.	1000.	0.0 N	10.L
AC0322	70.00	300.00	500.	100.L	1000.	700.	30.	15.	1.00	15.
AC0323	20.00	50.00	5000.	200.	300.	1000.	20.	50.	1.00L	10.
AC0324	20.00	30.00	700.	0.N	30.	20.	50.	0.N	1.00L	10.L
AC0325	20.00	50.00	2000.	200.	50.	700.	30.	30.	1.00L	10.
AC0326	15.00	100.00	1500.	200.	70.	200.	30.	10.	0.0 N	10.
AC0327	5.00	20.00	5000.	100.	200.	1500.	20.	50.	0.0 N	10.
AC0328	5.00	100.00	1000.	100.	300.	500.	20.	15.	1.00L	10.
AC0329	5.00	30.00	1500.	300.	100.	1000.	30.	20.	0.0 N	10.
AC0330	5.00	50.00	700.	500.	200.	5000.	30.	300.	0.0 N	10.
AC0331	10.00	30.00	1000.	500.	300.	500.	30.	10.	1.00L	10.

## PT-PD DATA IRON CANYON

SAMPLE	Y	CD	CU	ZR	AG	LA	ZN	SC	CO	AU
AC0123	50.00	20.L	500.00	100.	0.50	50.	200.	10.00	20.00	0.0200L
AC0124	20.00	20.L	50.00	200.	0.0 N	20.	200.	15.00	300.00	0.0200L
AC0125	30.00	20.L	100.00	200.	0.0 N	20.	200.L	20.00	50.00	0.0200L
AC0126	30.00	20.L	100.00	200.	0.0 N	20.	200.L	20.00	50.00	0.0200L
AC0127	20.00	20.L	70.00	150.	0.0 N	20.	200.L	15.00	30.00	0.0200L
AC0128	20.00	20.L	70.00	150.	0.0 N	20.	200.L	15.00	30.00	0.0200L
AC0129	20.00	20.L	50.00	150.	0.0 N	20.	200.L	20.00	50.00	0.0200L
AC0130	20.00	20.L	70.00	150.	0.0 N	20.	200.L	20.00	50.00	0.0200L
AC0131	20.00	20.L	70.00	150.	0.0 N	20.	200.L	20.00	50.00	0.0200L
AC0132	30.00	20.L	50.00	70.	0.0 N	20.	300.	10.00	20.00	0.0200L
AC0133	10.00	20.L	50.00	50.	0.0 N	20.L	0.N	10.00	5.00	0.0200L
AC0134	10.00	20.L	70.00	200.	0.50	20.L	0.N	10.00	5.00L	0.0200L
AC0135	20.00	20.L	100.00	30.	1.00	20.	2000.	5.00	5.00L	0.0200L
AC0136	20.00	50.	100.00	100.	2.00	20.	2000.	20.00	10.00	0.0200L
AC0137	10.00	0.N	10.00	200.	0.0 N	20.L	0.N	5.00L	0.0 N	0.0200L
AC0138	20.00	0.N	50.00	100.	5.00	20.	0.N	5.00	0.0 N	0.0200L
AC0139	30.00	0.N	150.00	100.	20.00	20.	300.	15.00	10.00	0.1400
AC0140	30.00	0.N	100.00	100.	1.00	30.	0.N	10.00	20.00	3.3100
AC0141	10.00L	0.N	100.00	30.	0.50	0.N	0.N	10.00	0.0 N	2.2900
AC0142	20.00	0.N	500.00	50.	15.00	0.N	1000.	10.00	20.00	0.7800
AC0143	10.00	0.N	200.00	70.	1.00	20.	200.L	5.00	30.00	22.5600
AC0144	10.00	50.	700.00	70.	10.00	20.	500.	5.00	5.00	4.5100
AC0145	15.00	20.L	70.00	200.	1.00	30.	200.L	5.00	20.00	0.0200L
AC0146	10.00	20.L	50.00	50.	0.50L	0.N	0.N	5.00	5.00L	0.0200L
AC0147	20.00	0.N	70.00	200.	0.0 N	0.N	0.N	15.00	30.00	0.0200L
AC0148	20.00	0.N	100.00	100.	1.00	0.N	500.	5.00	5.00	0.0200L
AC0149	10.00	0.N	20.00	50.	1.00	0.N	0.N	5.00L	0.0 N	0.0200L
AC0150	10.00	0.N	50.00	50.	0.70	0.N	0.N	5.00L	0.0 N	0.0200L
AC0151	10.00L	0.N	50.00	50.	0.50	0.N	0.N	5.00L	0.0 N	0.0200L
AC0152	0.0 N	0.N	50.00	30.	0.50L	0.N	0.N	5.00	0.0 N	0.0200L
AC0153	20.00	0.N	70.00	100.	0.0 N	0.N	0.N	20.00	50.00	0.0200L
AC0154	20.00	0.N	70.00	150.	0.0 N	0.N	0.N	15.00	20.00	0.0200L
AC0155	20.00	0.N	50.00	150.	0.0 N	0.N	0.N	20.00	50.00	0.0200L
AC0156	10.00	0.N	20.00	200.	0.0 N	0.N	0.N	10.00	10.00	0.0200L
AC0157	20.00	0.N	100.00	100.	0.0 N	0.N	0.N	20.00	50.00	0.0200L
AC0158	10.00L	0.N	20.00	200.	0.0 N	0.N	0.N	5.00	5.00	0.0200L
AC0159	0.0 N	0.N	20.00	10.L	0.0 N	0.N	0.N	5.00L	0.0 N	0.0200L
AC0160	10.00	0.N	30.00	70.	10.00	0.N	0.N	5.00	0.0 N	0.5400
AC0161	15.00	0.N	20.00	100.	5.00	0.N	0.N	5.00	0.0 N	0.0600
AC0162	30.00	0.N	50.00	150.	200.00	0.N	0.N	5.00	0.0 N	4.3400
AC0322	20.00	20.L	500.00	50.	7.00	0.N	0.N	15.00	5.00	0.0600
AC0323	15.00	20.L	700.00	50.	10.00	0.N	0.N	10.00	5.00	0.2000
AC0324	10.00L	0.N	50.00	30.	7.00	0.N	0.N	5.00	5.00L	0.0400
AC0325	10.00L	0.N	500.00	50.	30.00	0.N	0.N	5.00	5.00	0.2000
AC0326	15.00	0.N	200.00	70.	30.00	0.N	0.N	5.00	5.00	0.4000
AC0327	10.00	0.N	20.00	100.	50.00	0.N	0.N	7.00	0.0 N	3.0000
AC0328	15.00	0.N	20.00	100.	20.00	0.N	0.N	10.00	0.0 N	0.6000
AC0329	20.00	0.N	100.00	100.	100.00	50.	0.N	10.00	0.0 N	0.4000
AC0330	0.0 N	0.N	70.00	30.	150.00	0.N	0.N	10.00	0.0 N	1.0000
AC0331	10.00	0.N	50.00	70.	50.00	0.N	0.N	10.00	0.0 N	0.6000

## PT-PD DATA IRON CANYON

SAMPLE	HG	PT	PD	X COORD	Y COORD
AC0123	0.090000	0.005000L	0.005000	379820.	112555.
AC0124	0.050000	0.0 N	0.002000	379835.	112350.
AC0125	0.060000	0.005000L	0.003000	379845.	112235.
AC0126	0.060000	0.005000L	0.002000	379840.	112145.
AC0127	0.040000	0.0 N	0.002000	379865.	112040.
AC0128	0.040000	0.0 N	0.002000	379940.	111950.
AC0129	0.060000	0.0 N	0.002000	379975.	111890.
AC0130	0.050000	0.0 N	0.0 N	380015.	111720.
AC0131	0.050000	0.005000	0.005000	380060.	111565.
AC0132	1.200000	0.0 N	0.0 N	381015.	110435.
AC0133	0.110000	0.0 N	0.0 N	380575.	110230.
AC0134	0.080000	0.0 N	0.0 N	380570.	110105.
AC0135	0.540000	0.005000L	0.005000	380535.	109880.
AC0136	0.120000	0.0 N	0.0 N	380635.	109695.
AC0137	0.030000	0.0 N	0.0 N	380480.	109125.
AC0138	0.030000	0.0 N	0.0 N	380405.	109365.
AC0139	0.060000	0.0 N	0.0 N	380330.	109405.
AC0140	0.080000	0.0 N	0.0 N	379585.	108595.
AC0141	0.020000	0.0 N	0.0 N	379480.	109600.
AC0142	0.100000	0.0 N	0.003000	379420.	108955.
AC0143	0.050000	0.0 N	0.0 N	379780.	108975.
AC0144	0.180000	0.0 N	0.0 N	379835.	109065.
AC0145	0.040000	0.0 N	0.0 N	379795.	109110.
AC0146	0.180000	0.0 N	0.003000	379840.	109485.
AC0147	0.030000	0.0 N	0.0 N	379965.	109570.
AC0148	0.900000	0.005000	0.010000	380380.	111640.
AC0149	0.100000	0.0 N	0.0 N	380380.	111640.
AC0150	3.000000	0.0 N	0.005000	380340.	111620.
AC0151	0.110000	0.0 N	0.003000	380330.	111655.
AC0152	0.670000	0.0 N	0.002000	380340.	111755.
AC0153	0.050000	0.0 N	0.0 N	380230.	111680.
AC0154	0.180000	0.0 N	0.002000	380055.	111820.
AC0155	0.020000	0.0 N	0.002000	380090.	111920.
AC0156	0.060000	0.0 N	0.0 N	380130.	111965.
AC0157	0.100000	0.005000	0.005000	380075.	111955.
AC0158	0.060000	0.0 N	0.0 N	380065.	111975.
AC0159	0.440000	0.0 N	0.0 N	380350.	112220.
AC0160	1.100000	0.0 N	0.005000	380385.	111920.
AC0161	0.650000	0.0 N	0.0 N	380430.	111785.
AC0162	1.800000	0.0 N	0.007000	380530.	111920.
AC0322	0.400000	0.0 N	0.007000	380540.	111600.
AC0323	1.500000	0.0 N	0.002000	380560.	111580.
AC0324	0.500000	0.0 N	0.003000	380570.	111610.
AC0325	0.600000	0.0 N	0.003000	380580.	111620.
AC0326	0.900000	0.0 N	0.005000	380560.	111560.
AC0327	0.900000	0.0 N	0.002000	380570.	111570.
AC0328	3.200000	0.0 N	0.005000	380590.	111580.
AC0329	1.700000	0.0 N	0.007000	380575.	111595.
AC0330	1.800000	0.0 N	0.007000	380580.	111585.
AC0331	2.100000	0.0 N	0.007000	380610.	111595.

## PT-PD DATA IRON CANYON

SAMPLE	MG	FE	CA	TI	AS	SB	W	V	MO	SN
AC0332	1000.	100000.	1500.	2000.	3000.	300.	50.	100.	10.00	15.00
AC0333	2000.	100000.	1000.	3000.	2000.	7000.	0.0 N	150.	15.00	20.00
AC0334	1000.	70000.	1000.	2000.	1500.	150.	50.	150.	5.00	20.00
AC0335	5000.	150000.	20000.	2000.	10000.6	700.	0.0 N	100.	0.0 N	20.00
AC0336	3000.	70000.	2000.	2000.	700.	300.	0.0 N	200.	10.00	30.00
AC0337	1000.	100000.	500.	5000.	3000.	500.	0.0 N	150.	0.0 N	50.00
AC0338	5000.	50000.	1500.	10000.	1000.	150.	0.0 N	300.	5.00	150.00
AC0339	1500.	70000.	1000.	5000.	2000.	300.	0.0 N	200.	10.00	50.00
AC0340	1000.	50000.	2000.	1500.	500.	150.	0.0 N	150.	5.00	15.00
AC0341	7000.	50000.	2000.	5000.	500.	200.	0.0 N	300.	20.00	20.00
AC0342	5000.	50000.	1500.	10000.	200.	100.	0.0 N	300.	5.00	20.00
AC0343	1000.	100000.	1000.	5000.	1000.	200.	0.0 N	150.	0.0 N	100.00
AC0344	2000.	70000.	3000.	2000.	1000.	150.	0.0 N	200.	20.00	20.00
AC0345	2000.	200000.	5000.	2000.	10000.	1000.	0.0 N	300.	50.00	20.00
AC0346	2000.	150000.	5000.	5000.	2000.	500.	0.0 N	200.	0.0 N	100.00
AC0367	700.	15000.	700.	700.	1000.	0.0 N	0.0 N	50.	0.0 N	0.0 N
AC0368	500.	2000.	1000.	500.	200.1	0.0 N	0.0 N	10.	0.0 N	0.0 N
AC0369	1000.	30000.	1000.	1500.	700.	100.1	0.0 N	150.	0.0 N	0.0 N
AC0370	1000.	30000.	3000.	1500.	700.	300.	0.0 N	200.	30.00	50.00
AC0374	500.	150000.	3000.	1000.	10000.6	2000.	0.0 N	50.	5.00	200.00
AC0375	2000.	5000.	1500.	2000.	200.	0.0 N	0.0 N	200.	7.00	0.0 N
AC0376	500.	15000.	1000.	500.	2000.	150.	0.0 N	20.	7.00	15.00
AC0377	1000.	30000.	2000.	1500.	1000.	150.	0.0 N	70.	5.00	20.00
AC0378	5000.	30000.	1000.	5000.	200.	100.	0.0 N	200.	0.0 N	100.00
AC0379	200.	3000.	3000.	500.	200.	0.0 N	0.0 N	10.	0.0 N	0.0 N
AC0380	2000.	150000.	3000.	2000.	3000.	150.	0.0 N	300.	0.0 N	30.00
AC0381	1500.	5000.	3000.	5000.	2000.	200.	100.	200.	10.00	100.00
AC0382	200.	1000.	5000.	700.	200.1	0.0 N	0.0 N	10.	0.0 N	0.0 N
AC0383	500.	200000.	1500.	1000.	1500.	5000.	70.	200.	20.00	20.00
AC0384	700.	7000.	1500.	700.	200.1	0.0 N	0.0 N	10.	10.00	0.0 N
AC0385	1000.	7000.	2000.	1500.	200.	0.0 N	0.0 N	70.	5.00	10.00
AC0386	1000.	10000.	1500.	1000.	200.	0.0 N	0.0 N	20.	5.00	0.0 N
AC0387	1000.	50000.	1500.	1500.	3000.	2000.	0.0 N	50.	10.00	20.00
AC0388	5000.	10000.	1000.	2000.	200.1	100.	0.0 N	50.	5.00	50.00
AC0389	500.	3000.	1000.	500.	200.1	0.0 N	0.0 N	10.	5.00	0.0 N
AC0390	1500.	100000.	2000.	700.	1500.	2000.	0.0 N	100.	15.00	0.0 N
AC0391	1000.	30000.	1000.	1000.	500.	150.	0.0 N	70.	10.00	20.00
AC0392	1500.	70000.	7000.	700.	10000.6	500.	0.0 N	50.	5.00L	15.00
AC0393	1000.	70000.	3000.	5000.	10000.6	200.	0.0 N	300.	10.00	20.00
AC0394	1000.	5000.	1000.	700.	200.1	0.0 N	0.0 N	10.	0.0 N	0.0 N
AC0395	700.	7000.	1000.	1000.	200.	0.0 N	0.0 N	10.	0.0 N	10.00
AC0396	5000.	10000.	1500.	1500.	700.	200.	0.0 N	100.	10.00	20.00
AC0397	5000.	10000.	1000.	2000.	200.	100.	0.0 N	70.	5.00	20.00
AC0398	2000.	100000.	1000.	1500.	200.1	0.0 N	0.0 N	50.	0.0 N	0.0 N
AC0399	500.	20000.	2000.	200.	200.	200.	0.0 N	30.	5.00	0.0 N
AC0400	1000.	30000.	2000.	1000.	200.1	0.0 N	0.0 N	50.	5.00	0.0 N
AC0401	1000.	5000.	1500.	500.	200.1	0.0 N	0.0 N	150.	7.00	0.0 N
AC0402	700.	20000.	1500.	2000.	200.1	0.0 N	0.0 N	200.	5.00	0.0 N
AC0403	700.	30000.	1500.	500.	200.	0.0 N	0.0 N	20.	7.00	0.0 N
AC0404	1000.	3000.	1000.	1000.	200.1	0.0 N	0.0 N	50.	5.00	0.0 N

## PT-PD DATA IRON CANYON

SAMPLE	NI	CR	BA	SR	R	PB	WH	HI	RE	NR
AC0332	15.00	50.00	3000.	500.	700.	700.	200.	20.	1.00L	10.
AC0333	15.00	50.00	2000.	700.	2000.	1500.	100.	20.	1.00	10.
AC0334	5.00	50.00	1500.	500.	150.	500.	30.	10.	1.00L	10.
AC0335	15.00	100.00	3000.	700.	2000.G	500.	30.	70.	1.00	10.
AC0336	30.00	100.00	3000.	700.	2000.G	300.	150.	10.	1.50	10.
AC0337	30.00	100.00	3000.	700.	100.	1000.	20.	150.	1.00L	10.
AC0338	10.00	150.00	5000.	200.	2000.G	500.	30.	10.	1.00	50.
AC0339	20.00	100.00	3000.	500.	2000.	1000.	200.	70.	1.00L	20.
AC0340	20.00	100.00	3000.	1000.	50.	150.	100.	10.	1.00L	10.
AC0341	15.00	100.00	1500.	100.	2000.G	50.	200.	10.	1.00	10.
AC0342	15.00	150.00	1500.	200.	1000.	300.	100.	30.	1.00	20.
AC0343	10.00	100.00	3000.	200.	50.	1000.	20.	100.	1.00L	10.
AC0344	150.00	50.00	1500.	200.	2000.G	500.	5000.	100.	1.00L	10.
AC0345	150.00	50.00	5000.G	700.	2000.	10000.	5000.G	1000.	1.00L	10.
AC0346	5.00	70.00	3000.	200.	700.	7000.	300.	700.	0.0 N	10.L
AC0367	5.00	10.00	700.	200.	20.	100.	100.	10.L	1.00L	10.L
AC0368	5.00	20.00	300.	0.N	20.	10.	100.	10.	0.0 N	10.L
AC0369	10.00	50.00	2000.	0.N	200.	200.	100.	10.L	1.00L	10.L
AC0370	10.00	50.00	1500.	100.	100.	15000.	2000.	10.L	1.00L	15.
AC0374	10.00	20.00	1000.	300.	100.	20000.G	200.	0.N	1.00L	10.
AC0375	10.00	70.00	300.	0.N	50.	500.	50.	10.L	1.00L	10.
AC0376	10.00	50.00	700.	0.N	30.	5000.	100.	10.L	1.00L	10.
AC0377	5.00	20.00	700.	0.N	20.	700.	150.	10.	1.00L	10.
AC0378	5.00	10.00	5000.	0.N	70.	200.	50.	10.	1.00L	10.
AC0379	5.00	5.00	300.	0.N	10.	30.	200.	10.L	1.00L	10.
AC0380	70.00	200.00	1500.	0.N	100.	100.	150.	0.N	1.00	10.
AC0381	5.00	100.00	3000.	0.N	70.	700.	30.	10.L	1.00L	20.
AC0382	10.00	5.00	150.	0.N	20.	10.	150.	10.L	1.00L	10.
AC0383	10.00	30.00	1000.	100.	300.	20000.G	50.	100.	1.00	10.
AC0384	10.00	50.00	700.	0.N	30.	200.	150.	10.L	1.00L	10.
AC0385	10.00	50.00	3000.	0.N	70.	70.	300.	10.L	1.00L	10.
AC0386	10.00	30.00	500.	0.N	50.	30.	200.	10.L	1.00L	10.
AC0387	10.00	70.00	700.	0.N	70.	15000.	100.	0.N	1.00L	10.
AC0388	10.00	5.00	5000.	0.N	70.	5000.	150.	10.L	1.00	15.
AC0389	5.00	5.00	500.	0.N	20.	30.	150.	10.L	1.00L	10.
AC0390	70.00	50.00	2000.	100.	20.	2000.	500.	0.N	2.00	10.L
AC0391	30.00	50.00	2000.	100.L	50.	300.	200.	10.L	1.00L	10.
AC0392	5.00	50.00	1000.	200.	20.	5000.	150.	20.	1.00L	10.
AC0393	20.00	150.00	1000.	100.	150.	300.	100.	10.L	2.00	15.
AC0394	5.00	5.00	500.	0.N	20.	10.L	200.	10.L	1.00L	10.
AC0395	5.00	10.00	1000.	0.N	20.	10.	70.	10.L	0.0 N	10.
AC0396	50.00	30.00	700.	0.N	100.	700.	100.	10.L	1.00L	10.
AC0397	15.00	20.00	5000.	0.N	100.	500.	150.	10.L	1.50	10.
AC0398	30.00	30.00	1000.	0.N	70.	20.	200.	10.L	1.00	10.
AC0399	5.00	10.00	700.	0.N	50.	30.	150.	10.L	0.0 N	10.
AC0400	10.00	20.00	500.	0.N	70.	10.	70.	10.L	1.00L	10.
AC0401	15.00	50.00	1000.	0.N	30.	10.L	100.	10.L	0.0 N	10.
AC0402	20.00	70.00	5000.G	200.	20.	10.	150.	10.L	1.50	10.
AC0403	10.00	30.00	1000.	0.N	30.	10.L	100.	10.L	1.00L	10.L
AC0404	10.00	50.00	1500.	0.N	50.	10.L	100.	10.L	1.00L	10.

## PT-PD DATA IRON CANYON

SAMPLE	Y	CD	CU	ZR	AG	LA	ZN	SC	CO	AU
AC0332	10.00	0.0	150.00	50.	20.00	0.0	0.0	5.00	0.0	0.6000
AC0333	10.00	0.0	100.00	70.	20.00	0.0	0.0	10.00	5.00	0.7000
AC0334	15.00	0.0	300.00	50.	15.00	0.0	0.0	7.00	0.0	0.5000
AC0335	20.00	0.0	5000.00	30.	100.00	0.0	0.0	15.00	5.00	2.1000
AC0336	15.00	0.0	200.00	30.	30.00	0.0	0.0	10.00	5.00	0.8000
AC0337	20.00	0.0	50.00	100.	50.00	0.0	0.0	7.00	0.0	1.4000
AC0338	30.00	0.0	70.00	150.	15.00	0.0	0.0	15.00	0.0	0.6000
AC0339	30.00	0.0	200.00	100.	50.00	0.0	0.0	10.00	5.00	0.5000
AC0340	15.00	0.0	50.00	100.	10.00	0.0	0.0	5.00L	0.0	0.1000
AC0341	20.00	0.0	50.00	100.	20.00	0.0	0.0	10.00	0.0	0.6000
AC0342	30.00	0.0	70.00	200.	5.00	50.	0.0	15.00	0.0	0.0400
AC0343	20.00	0.0	200.00	100.	150.00	0.0	0.0	5.00	0.0	0.4000
AC0344	20.00	0.0	150.00	50.	30.00	0.0	0.0	10.00	5.00	0.2000
AC0345	20.00	0.0	1000.00	50.	200.00	0.0	300.	20.00	100.00	4.9000
AC0346	20.00	0.0	50.00	200.	100.00	0.0	0.0	10.00	0.0	2.8000
AC0367	0.0	0.0	20.00	20.	3.00	50.	0.0	5.00	0.0	0.2000
AC0368	10.00	0.0	10.00	20.	1.50	0.0	0.0	5.00L	0.0	0.2000
AC0369	10.00	0.0	100.00	50.	3.00	0.0	0.0	5.00	0.0	0.1000
AC0370	15.00	0.0	150.00	50.	30.00	0.0	0.0	5.00	0.0	0.2000
AC0374	50.00	50.	1000.00	30.	500.00	100.	700.	7.00	0.0	4.9000
AC0375	20.00	0.0	10.00	100.	3.00	0.0	0.0	5.00	0.0	0.0200L
AC0376	10.00L	0.0	100.00	20.	20.00	20.	0.0	5.00L	0.0	1.1000
AC0377	10.00	0.0	70.00	50.	15.00	0.0	0.0	5.00	0.0	1.6000
AC0378	10.00	0.0	50.00	150.	15.00	50.	0.0	10.00	0.0	0.4000
AC0379	10.00L	0.0	5.00	100.	0.50	20.	0.0	5.00L	0.0	0.0600
AC0380	20.00	0.0	150.00	50.	10.00	150.	1500.	7.00	10.00	0.2000
AC0381	20.00	0.0	30.00	200.	10.00	100.	0.0	10.00	0.0	0.6000
AC0382	10.00L	0.0	5.00	100.	0.50L	0.0	0.0	5.00L	0.0	0.0200L
AC0383	10.00	0.0	500.00	30.	150.00	0.0	0.0	10.00	0.0	0.9000
AC0384	10.00L	0.0	20.00	20.	2.00	0.0	0.0	5.00L	0.0	0.0200L
AC0385	10.00	0.0	50.00	70.	5.00	0.0	0.0	5.00	0.0	0.0200L
AC0386	10.00	0.0	20.00	30.	5.00	0.0	0.0	5.00	0.0	0.0200L
AC0387	20.00	0.0	200.00	50.	50.00	0.0	0.0	7.00	0.0	0.4000
AC0388	10.00	0.0	50.00	150.	10.00	0.0	0.0	5.00	0.0	0.0200L
AC0389	10.00L	0.0	5.00L	100.	0.70	0.0	0.0	5.00L	0.0	0.0200L
AC0390	20.00	50.	300.00	20.	5.00	0.0	2000.	7.00	10.00	0.0800
AC0391	10.00	0.0	70.00	30.	10.00	0.0	300.	7.00	5.00	0.2000
AC0392	10.00	0.0	50.00	30.	50.00	0.0	0.0	10.00	0.0	0.8000
AC0393	20.00	20.	200.00	200.	5.00	20.	300.	15.00	5.00	0.4000
AC0394	10.00L	0.0	5.00	200.	0.50	0.0	0.0	5.00L	5.00	0.0200L
AC0395	10.00L	0.0	10.00	200.	10.00	0.0	0.0	5.00L	5.00	0.0400
AC0396	15.00	30.	150.00	100.	70.00	0.0	1000.	10.00	5.00	0.0600
AC0397	10.00	0.0	50.00	150.	10.00	0.0	1000.	10.00	5.00	0.0800
AC0398	10.00L	0.0	70.00	50.	2.00	0.0	200.	10.00	5.00	0.0200L
AC0399	10.00L	0.0	10.00	100.	10.00	0.0	0.0	5.00L	5.00L	0.6000
AC0400	10.00L	0.0	15.00	30.	0.50	0.0	200.0	5.00	5.00L	0.0200L
AC0401	10.00L	0.0	10.00	30.	1.50	0.0	0.0	5.00L	5.00L	0.0200L
AC0402	10.00	0.0	70.00	100.	0.70	20.	0.0	10.00	5.00L	0.0200L
AC0403	10.00L	0.0	5.00	30.	1.00	0.0	0.0	5.00L	5.00L	0.0200L
AC0404	10.00	0.0	10.00	50.	0.50L	0.0	0.0	5.00	5.00L	0.0200L



## PT-PD DATA IRON CANYON

SAMPLE	HG	PT	PD	X COORD	Y COORD
AC0332	7.100000	0.005000	0.015000	380615.	111580.
AC0333	2.300000	0.005000	0.007000	380620.	111585.
AC0334	2.100000	0.0	0.005000	380625.	111570.
AC0335	2.900000	0.0	0.015000	380615.	111575.
AC0336	1.500000	0.0	0.007000	380600.	111625.
AC0337	1.500000	0.0	0.0	380605.	111620.
AC0338	0.900000	0.0	0.007000	380605.	111615.
AC0339	0.900000	0.010000	0.015000	380610.	111600.
AC0340	0.300000	0.0	0.002000	380615.	111605.
AC0341	1.400000	0.0	0.007000	380570.	111600.
AC0342	1.100000	0.0	0.005000	380575.	111610.
AC0343	0.300000	0.0	0.0	380595.	111605.
AC0344	0.500000	0.0	0.010000	380550.	111630.
AC0345	0.500000	0.030000	0.020000	380555.	111625.
AC0346	0.400000	0.0	0.002000	380570.	111620.
AC0367	1.800000	0.0	0.0	379280.	114140.
AC0368	0.800000	0.0	0.0	379340.	114125.
AC0369	0.400000	0.0	0.0	379350.	114185.
AC0370	1.200000	0.0	0.002000	379305.	114235.
AC0374	5.200000	0.0	0.020000	379305.	114330.
AC0375	0.200000	0.0	0.005000	379305.	114330.
AC0376	0.500000	0.0	0.0	379330.	114405.
AC0377	0.400000	0.0	0.003000	379490.	114390.
AC0378	0.100000	0.0	0.0	379655.	114300.
AC0379	0.100000	0.0	0.0	379770.	114435.
AC0380	0.500000	0.0	0.010000	379975.	114445.
AC0381	0.500000	0.0	0.003000	379975.	114445.
AC0382	0.100000	0.0	0.0	379730.	114515.
AC0383	6.500000	0.005000	0.015000	379510.	114600.
AC0384	0.900000	0.0	0.0	379525.	114565.
AC0385	0.500000	0.0	0.002000	379420.	114130.
AC0386	0.500000	0.0	0.0	379435.	114180.
AC0387	0.400000	0.0	0.005000	379465.	114185.
AC0388	0.100000	0.0	0.0	379520.	114180.
AC0389	0.100000	0.0	0.0	379585.	114090.
AC0390	2.600000	0.0	0.002000	379545.	114025.
AC0391	0.800000	0.0	0.0	379590.	114045.
AC0392	1.200000	0.0	0.002000	379590.	114265.
AC0393	0.100000	0.0	0.005000	379865.	114650.
AC0394	0.200000	0.0	0.0	379695.	114780.
AC0395	0.100000	0.0	0.0	379510.	114960.
AC0396	2.000000	0.0	0.003000	379380.	114910.
AC0397	0.100000	0.0	0.0	379365.	114735.
AC0398	0.100000	0.0	0.0	379450.	114650.
AC0399	1.200000	0.0	0.0	379515.	114855.
AC0400	0.200000	0.0	0.0	379505.	114725.
AC0401	0.200000	0.0	0.0	378490.	114180.
AC0402	0.200000	0.0	0.0	378490.	114480.
AC0403	0.100000	0.0	0.003000	378580.	114500.
AC0404	0.100000	0.0	0.0	379640.	114660.

## PT-PD DATA IRON CANYON

SAMPLE	MG	FE	CA	TI	AS	SR	W	V	MO	SN
AC0405	1000.	5000.	2000.	500.	200.	0.0	0.0	100.	5.00	0.0
AC0406	1500.	3000.	1000.	700.	200.L	0.0	0.0	70.	0.0	0.0
AC0407	50000.	30000.	50000.	2000.	0.0	0.0	0.0	100.	5.00	0.0
AC0408	3000.	20000.	1000.	5000.	200.L	0.0	0.0	200.	5.00	0.0
AC0409	1500.	10000.	500.	1500.	200.L	0.0	0.0	50.	7.00	0.0
AC0410	2000.	5000.	2000.	1500.	200.	0.0	0.0	200.	7.00	0.0
AC0411	100000.	150000.	5000.	10000.G	0.0	0.0	0.0	500.	0.0	0.0
AC0412	15000.	150000.	5000.	10000.G	1000.	100.	0.0	500.	5.00	0.0
AC0413	10000.	20000.	2000.	2000.	0.0	0.0	0.0	200.	5.00	0.0
AC0414	1000.	50000.	1500.	700.	1000.	200.	0.0	50.	0.0	0.0
AC0415	1000.	5000.	1000.	500.	200.L	0.0	0.0	50.	0.0	0.0
AEH492	30000.	70000.	30000.	10000.G	0.0	0.0	0.0	300.	0.0	0.0
AEH493	20000.	70000.	15000.	10000.	0.0	0.0	0.0	300.	0.0	0.0
AEH494	20000.	70000.	15000.	10000.	0.0	0.0	0.0	300.	0.0	0.0
AEH495	20000.	70000.	20000.	10000.	0.0	0.0	0.0	300.	0.0	0.0
AEH496	15000.	50000.	3000.	7000.	0.0	0.0	0.0	150.	0.0	0.0
AEH497	20000.	70000.	5000.	10000.	0.0	0.0	0.0	300.	0.0	0.0
AEH498	20000.	100000.	30000.	10000.G	0.0	0.0	0.0	500.	0.0	0.0
AEH499	15000.	15000.	5000.	2000.	0.0	0.0	0.0	150.	0.0	0.0
AEH500	15000.	30000.	7000.	7000.	0.0	0.0	0.0	200.	0.0	0.0
AEH501	20000.	100000.	20000.	10000.G	0.0	0.0	0.0	300.	0.0	0.0
AEH502	20000.	50000.	10000.	10000.	0.0	0.0	0.0	300.	0.0	0.0
AEH503	20000.	70000.	30000.	10000.G	0.0	0.0	0.0	300.	0.0	0.0
AEH504	20000.	20000.	20000.	3000.	0.0	0.0	0.0	200.	0.0	0.0
AEH505	20000.	50000.	20000.	7000.	0.0	0.0	0.0	300.	0.0	0.0
AEH506	20000.	30000.	5000.	3000.	0.0	0.0	0.0	150.	0.0	0.0
AEH507	20000.	70000.	20000.	10000.	0.0	0.0	0.0	700.	0.0	0.0
AEH508	20000.	100000.	15000.	10000.	0.0	0.0	0.0	500.	0.0	0.0
AEH509	50000.	70000.	20000.	7000.	0.0	0.0	0.0	300.	0.0	0.0
AEH510	10000.	20000.	3000.	5000.	0.0	0.0	0.0	150.	0.0	0.0
AEH511	7000.	20000.	2000.	1500.	0.0	0.0	0.0	200.	7.00	0.0
AEH512	30000.	70000.	30000.	10000.	0.0	0.0	0.0	300.	0.0	0.0
AEH514	20000.	50000.	15000.	7000.	0.0	0.0	0.0	300.	0.0	0.0
AEH515	20000.	100000.	3000.	10000.	0.0	0.0	0.0	500.	0.0	0.0
AEH517	20000.	70000.	5000.	10000.	0.0	0.0	0.0	300.	0.0	0.0
AEH520	2000.	20000.	1000.	1000.	2000.	100.	0.0	150.	5.00	0.0
AEH521	200.	100000.	500.L	700.	1000.	0.0	0.0	15.	0.0	0.0
AEH522	200.	15000.	500.L	500.	5000.	0.0	0.0	20.	0.0	0.0
AEH523	1000.	7000.	500.	500.	1500.	0.0	0.0	200.	7.00	0.0
AEH524	1500.	20000.	700.	1000.	200.L	0.0	0.0	200.	10.00	0.0
AEH525	7000.	5000.	700.	1000.	1500.	0.0	0.0	300.	20.00	0.0
AEH526	7000.	10000.	1000.	2000.	0.0	0.0	0.0	300.	7.00	0.0
AEH527	20000.	70000.	30000.	10000.G	0.0	0.0	0.0	1000.	0.0	0.0
AEH528	20000.	70000.	20000.	10000.	0.0	0.0	0.0	700.	0.0	0.0
AEH529	30000.	100000.	15000.	10000.G	0.0	0.0	0.0	500.	0.0	0.0
AEH531	20000.	70000.	15000.	10000.	0.0	0.0	0.0	300.	0.0	0.0
AEH532	500.	200000.	500.L	200.	0.0	0.0	0.0	10.	0.0	0.0
AEH533	20000.	100000.	1000.	10000.	0.0	0.0	0.0	300.	0.0	0.0
AEH534	20000.	70000.	30000.	10000.	0.0	0.0	50.0	700.	0.0	0.0
AEH535	20000.	70000.	30000.	10000.	0.0	0.0	50.0	300.	0.0	0.0

## PT-PD DATA IRON CANYON

SAMPLE	NI	CR	RA	SR	R	PR	MN	BT	BE	N3
AC0405	20.00	30.00	2000.	2000.	30.	10.	200.	10.0	1.00	10.
AC0406	10.00	30.00	1000.	0.0	30.	10.0	100.	10.0	1.00	10.
AC0407	150.00	300.00	3000.	700.	20.	30.	1500.	10.0	1.00	10.
AC0408	30.00	100.00	5000.6	300.	30.	20.	200.	10.0	2.00	10.
AC0409	15.00	20.00	1500.	0.0	50.	10.	30.	10.0	1.00	10.
AC0410	15.00	30.00	1000.	0.0	50.	0.0	150.	10.0	1.00	10.
AC0411	150.00	150.00	2000.	700.	20.	10.	2000.	0.0	0.0	50.
AC0412	150.00	100.00	3000.	100.	500.	50.	2000.	0.0	1.00	50.
AC0413	70.00	100.00	3000.	5000.	2000.6	10.0	2000.	10.0	1.00	10.
AC0414	5.00	20.00	1000.	0.0	10.	10.0	150.	10.0	0.0	10.0
AEH492	10.00	10.00	1500.	0.0	30.	0.0	70.	10.0	1.00	10.0
AEH493	50.00	30.00	300.	300.	10.0	0.0	1500.	0.0	0.0	50.
AEH494	30.00	50.00	500.	150.	10.0	0.0	1000.	0.0	0.0	20.
AEH495	150.00	150.00	2000.	100.	10.0	10.	1000.	0.0	0.0	10.0
AEH496	70.00	150.00	2000.	100.0	10.0	10.	300.	0.0	0.0	20.
AEH497	30.00	20.00	200.	100.	10.0	100.	1000.	0.0	0.0	10.
AEH498	100.00	70.00	1000.	500.	15.	15.	1500.	0.0	1.00	50.
AEH499	50.00	150.00	500.	200.	10.0	10.	300.	10.0	1.00	0.0
AEH500	150.00	150.00	700.	100.0	10.0	10.0	200.	0.0	0.0	10.
AEH501	70.00	30.00	700.	300.	10.	10.	1500.	0.0	1.00	50.
AEH502	50.00	50.00	500.	100.	10.0	10.	300.	0.0	0.0	10.
AEH503	50.00	50.00	500.	200.	10.	10.	1500.	0.0	1.00	50.
AEH504	50.00	200.00	700.	300.	10.	15.	300.	0.0	1.00	10.0
AEH505	20.00	30.00	300.	150.	10.0	10.0	300.	0.0	0.0	0.0
AEH506	30.00	150.00	1000.	150.	10.0	20.	300.	0.0	1.00	0.0
AEH507	50.00	50.00	300.	150.	10.0	0.0	500.	0.0	0.0	10.
AEH508	50.00	7.00	3000.	150.	10.0	0.0	500.	0.0	0.0	0.0
AEH509	200.00	300.00	3000.	150.	10.	20.	500.	0.0	0.0	0.0
AEH510	20.00	20.00	150.	0.0	10.0	20.	150.	10.0	0.0	0.0
AEH511	20.00	20.00	150.	0.0	10.0	20.	70.	10.0	0.0	0.0
AEH512	300.00	700.00	1500.	100.	10.0	10.	1000.	0.0	0.0	10.0
AEH514	100.00	150.00	2000.	100.	10.0	0.0	300.	0.0	0.0	10.
AEH515	5.00	15.00	5000.	100.	10.	1000.	300.	0.0	0.0	20.
AEH517	150.00	200.00	200.	100.	10.0	15.	300.	0.0	0.0	10.
AEH520	5.00	20.00	1500.	150.	10.	200.	50.	10.0	1.00	10.0
AEH521	5.00	7.00	200.	0.0	10.0	1000.	10.	150.	0.0	0.0
AEH522	20.00	10.00	70.	0.0	10.0	1000.	20.	50.	0.0	0.0
AEH523	10.00	20.00	200.	0.0	10.	150.	50.	10.0	0.0	10.
AEH524	70.00	50.00	300.	0.0	20.	50.	70.	10.0	1.00	10.0
AEH525	5.00	30.00	5000.6	0.0	10.0	10.	70.	10.0	0.0	10.0
AEH526	7.00	50.00	1500.	0.0	10.	10.	100.	10.0	1.00	10.
AEH527	100.00	50.00	200.	200.	10.0	10.0	1000.	0.0	0.0	20.
AEH528	100.00	100.00	1500.	200.	10.	20.	500.	0.0	0.0	10.
AEH529	200.00	500.00	300.	100.0	10.0	10.0	1000.	0.0	0.0	10.
AEH531	150.00	300.00	1000.	100.	10.0	0.0	1000.	0.0	10.00	20.
AEH532	100.00	10.00	50.	0.0	0.0	30.	70.	0.0	1.00	0.0
AEH533	30.00	150.00	2000.	100.	10.0	200.	300.	0.0	0.0	20.
AEH534	150.00	150.00	1000.	100.	10.	0.0	1000.	0.0	0.0	10.
AEH535	100.00	30.00	300.	100.	10.0	0.0	500.	0.0	0.0	20.

## PT-PD DATA IRON CANYON

SAMPLE	Y	CD	CU	ZR	AG	LA	ZN	SC	CO	AU
AC0405	20.00	0. N	20.00	20.	0.50	50.	0. N	5.00	5.00L	0.0200L
AC0406	10.00L	0. N	10.00	30.	0.50	0. N	0. N	5.00L	5.00L	0.0200L
AC0407	10.00	0. N	20.00	100.	0.50	0. N	0. N	10.00	10.00	0.0200L
AC0408	10.00	0. N	50.00	150.	2.00	20.	0. N	7.00	5.00L	0.0200L
AC0409	10.00	0. N	15.00	30.	0.70	20.	0. N	7.00	5.00L	0.0200L
AC0410	15.00	0. N	20.00	30.	3.00	20.	0. N	7.00	5.00L	0.0200L
AC0411	30.00	0. N	200.00	200.	0.50L	0. N	0. N	50.00	100.00	0.0200L
AC0412	30.00	0. N	200.00	200.	1.00	0. N	0. N	50.00	50.00	0.3000
AC0413	10.00	0. N	30.00	150.	0.50	0. N	0. N	10.00	20.00	0.0200L
AC0414	10.00L	0. N	10.00	20.	1.50	0. N	0. N	5.00	0.0 N	0.9000
AC0415	10.00L	0. N	5.00	20.	0.0 N	0. N	0. N	5.00L	0.0 N	0.0200L
AEH492	50.00	0. N	200.00	300.	0.0 N	20.	0. N	30.00	30.00	0.0200L
AEH493	20.00	0. N	20.00	200.	0.0 N	20.0L	0. N	20.00	20.00	0.0200L
AEH494	30.00	0. N	100.00	200.	0.50	20.0L	0. N	20.00	20.00	0.0200L
AEH495	20.00	0. N	100.00	150.	0.0 N	0. N	0. N	20.00	30.00	0.0200L
AEH496	15.00	0. N	20.00	200.	0.0 N	0. N	0. N	10.00	10.00	0.0200L
AEH497	20.00	0. N	20.00	150.	0.0 N	0. N	0. N	15.00	15.00	0.0200L
AEH498	70.00	0. N	150.00	200.	0.0 N	30.	0. N	30.00	30.00	0.0200L
AEH499	10.00L	0. N	7.00	50.	0.0 N	0. N	0. N	7.00	10.00	0.0200L
AEH500	10.00L	0. N	20.00	70.	0.0 N	0. N	0. N	10.00	10.00	0.0200L
AEH501	70.00	0. N	100.00	200.	0.0 N	30.	500.	30.00	20.00	0.0200L
AEH502	30.00	0. N	70.00	150.	0.0 N	0. N	0. N	30.00	20.00	0.0200L
AEH503	70.00	0. N	70.00	200.	0.0 N	30.	0. N	30.00	30.00	0.0200L
AEH504	20.00	0. N	10.00	70.	0.0 N	0. N	0. N	10.00	10.00	0.0200L
AEH505	15.00	0. N	70.00	50.	0.0 N	0. N	0. N	10.00	20.00	0.0200L
AEH506	10.00	0. N	10.00	100.	0.0 N	0. N	0. N	5.00	7.00	0.0200L
AEH507	20.00	0. N	150.00	200.	0.0 N	0. N	0. N	20.00	15.00	0.0200L
AEH508	20.00	0. N	150.00	150.	0.0 N	0. N	0. N	20.00	20.00	0.0200L
AEH509	10.00	0. N	15.00	100.	0.0 N	0. N	0. N	10.00	15.00	0.0200L
AEH510	10.00L	0. N	150.00	30.	1.00	0. N	0. N	5.00L	5.00	0.0200L
AEH511	10.00L	0. N	150.00	30.	0.50	0. N	0. N	5.00L	5.00	0.0200L
AEH512	15.00	0. N	150.00	70.	0.0 N	0. N	0. N	30.00	30.00	0.0200L
AEH514	10.00	0. N	150.00	100.	0.0 N	0. N	0. N	20.00	15.00	0.0200L
AEH515	10.00	0. N	200.00	200.	5.00	0. N	0. N	30.00	5.00	0.0600
AEH517	10.00	15.	0.0 N	150.	0.50	0. N	300.	30.00	5.00	0.0200L
AEH520	10.00L	0. N	70.00	70.	7.00	0. N	200.	5.00	7.00	0.0200L
AEH521	10.00L	0. N	150.00	50.	100.00	0. N	0. N	0.0 N	5.00	0.0600
AEH522	0.0 N	0. N	100.00	0. N	70.00	0. N	200.	0.0 N	0.0 N	14.0000
AEH523	10.00L	0. N	50.00	10.	2.00	0. N	500.	0.0 N	15.00	1.1000
AEH524	10.00	0. N	150.00	150.	0.0 N	0. N	0. N	5.00L	5.00L	0.0200
AEH525	10.00	0. N	100.00	30.	0.70	0. N	0. N	20.00	20.00	0.0200L
AEH526	10.00L	0. N	50.00	50.	1.50	0. N	0. N	5.00L	5.00L	0.0400
AEH527	50.00	0. N	200.00	200.	0.0 N	20.	0. N	5.00	5.00L	0.0200L
AEH528	20.00	0. N	150.00	150.	0.0 N	0. N	0. N	30.00	30.00	0.0200L
AEH529	20.00	0. N	150.00	100.	0.50L	0. N	0. N	50.00	20.00	0.0200L
AEH531	20.00	0. N	150.00	200.	0.0 N	20.	0. N	50.00	30.00	0.0200L
AEH532	10.00L	0. N	100.00	10.0L	0.0 N	0. N	0. N	30.00	30.00	0.0200L
AEH533	15.00	0. N	100.00	200.	1.00	0. N	3000.	0.0 N	10.00	0.0200
AEH534	30.00	0. N	200.00	200.	0.70	0. N	300.	30.00	5.00	0.0200L
AEH535	20.00	0. N	70.00	200.	1.00	0. N	300.	30.00	30.00	0.0200L

## PT-PD DATA IRON CANYON

SAMPLE	HG	PT	PD	X COORD	Y COORD
AC0405	0.100000	0.0	N	379640.	114660.
AC0406	0.100000	0.0	N	378665.	114800.
AC0407	0.100000	0.0	N	378725.	114795.
AC0408	0.200000	0.0	N	378765.	114760.
AC0409	0.100000	0.0	N	378955.	114800.
AC0410	0.200000	0.0	N	379045.	114740.
AC0411	0.050000L	0.0	N	379190.	114655.
AC0412	0.700000	0.005000	0.003000	379180.	114690.
AC0413	0.050000L	0.0	N	379135.	114680.
AC0414	1.100000	0.0	N	379305.	114475.
AC0415	0.200000	0.0	N	379000.	114530.
AEH492	0.040000	0.0	N	377545.	114175.
AEH493	0.030000	0.0	N	377415.	114150.
AEH494	0.020000	0.0	N	377305.	114115.
AEH495	0.020000	0.005000L	0.002000	377240.	114095.
AEH496	0.010000L	0.0	N	377095.	114145.
AEH497	0.040000	0.0	N	376940.	114110.
AEH498	0.020000	0.0	N	376790.	114050.
AEH499	0.010000L	0.0	N	376730.	114040.
AEH500	0.020000	0.0	N	376670.	114010.
AEH501	0.010000L	0.0	N	376575.	113895.
AEH502	0.020000	0.0	N	376520.	113820.
AEH503	0.030000	0.0	N	376730.	113795.
AEH504	0.020000	0.0	N	376730.	113895.
AEH505	0.020000	0.0	N	376715.	113640.
AEH506	0.010000L	0.0	N	376710.	113500.
AEH507	0.010000L	0.0	N	376640.	113445.
AEH508	0.020000	0.0	N	376510.	113335.
AEH509	0.010000L	0.0	N	376510.	113040.
AEH510	0.010000L	0.0	N	376350.	113130.
AEH511	0.020000	0.0	N	376420.	113200.
AEH512	0.020000	0.0	N	376420.	113200.
AEH514	0.010000L	0.0	N	376405.	113330.
AEH515	0.020000	0.0	N	376295.	113290.
AEH517	0.010000L	0.0	N	376215.	113150.
AEH520	0.020000	0.0	N	376000.	113035.
AEH521	0.240000	0.0	N	375180.	113035.
AEH522	0.180000	0.0	N	375180.	113035.
AEH523	0.020000	0.0	N	375225.	113155.
AEH524	0.030000	0.0	N	375135.	113305.
AEH525	0.020000	0.0	N	375435.	113455.
AEH526	0.010000L	0.0	N	375495.	113200.
AEH527	0.010000L	0.0	N	375835.	113225.
AEH528	0.010000L	0.0	N	376150.	113465.
AEH529	0.010000L	0.0	N	375805.	113510.
AEH531	0.020000	0.0	N	375830.	113615.
AEH532	0.060000	0.0	N	375745.	113755.
AEH533	0.010000L	0.0	N	375745.	113755.
AEH534	0.010000L	0.0	N	375820.	113810.
AEH535	0.010000L	0.0	N	375800.	113855.

## PT-PD DATA IRON CANYON

SAMPLE	MG	FE	CA	TI	AS	SB	W	V	MO	SN
AEH536	15000.	30000.	1500.	1500.	0.N	0.N	0.N	100.	0.0 N	0.0 N
AEH537	1500.	7000.	500.	700.	0.N	0.N	0.N	100.	5.00L	0.0 N
AEH538	1500.	2000.	500.L	700.	0.N	0.N	0.N	200.	5.00	0.0 N
AEH594	2000.	5000.	1000.	1000.	0.N	0.N	0.N	200.	5.00	0.0 N
AEH595	20000.	30000.	20000.	10000.G	0.N	0.N	0.N	300.	0.0 N	10.00
AEH596	15000.	20000.	3000.	10000.	0.N	0.N	0.N	200.	0.0 N	15.00
AEH597	20000.	70000.	20000.	10000.	0.N	0.N	0.N	300.	0.0 N	10.00
AEH598	20000.	100000.	20000.	10000.	0.N	0.N	0.N	300.	0.0 N	10.00
AEH599	20000.	70000.	20000.	10000.	0.N	0.N	0.N	500.	0.0 N	10.00
AEH600	20000.	70000.	20000.	10000.	0.N	0.N	0.N	300.	5.00	10.00L
AEH601	15000.	20000.	5000.	2000.	0.N	0.N	0.N	150.	0.0 N	0.0 N
AEH602	20000.	30000.	30000.	7000.	0.N	0.N	0.N	300.	0.0 N	10.00
AEH603	20000.	70000.	30000.	10000.	0.N	0.N	0.N	300.	0.0 N	10.00L
AEH656	1500.	5000.	500.L	700.	0.N	0.N	0.N	200.	0.0 N	0.0 N
AEH657	1500.	5000.	1500.	500.	0.N	0.N	0.N	100.	0.0 N	0.0 N
AEH658	20000.	70000.	30000.	10000.G	0.N	0.N	0.N	300.	0.0 N	0.0 N
AEH659	20000.	30000.	20000.	10000.	0.N	0.N	0.N	300.	0.0 N	0.0 N
AEH660	30000.	70000.	20000.	10000.	0.N	0.N	0.N	500.	0.0 N	0.0 N
AEH661	30000.	100000.	20000.	10000.	0.N	0.N	0.N	500.	0.0 N	0.0 N
AEH662	50000.	100000.	30000.	10000.G	0.N	0.N	0.N	500.	0.0 N	0.0 N

## PT-PD DATA IRON CANYON

SAMPLE	NI	CR	BA	SR	B	PB	MN	HI	HE	NB
AEM536	70.00	30.00	1000.	0.N	10.	10.L	300.	0.N	1.00	0.N
AEM537	10.00	15.00	300.	0.N	15.	30.	50.	10.L	0.0 N	0.N
AEM538	5.00L	20.00	500.	0.N	15.	10.L	20.	10.L	0.0 N	0.N
AEM594	10.00	30.00	300.	0.N	30.	10.	20.	10.L	0.0 N	0.N
AEM595	5.00	10.00	3000.	150.	10.L	30.	300.	0.N	0.0 N	20.
AEM596	5.00L	30.00	1000.	1000.	10.L	50.	200.	0.N	0.0 N	10.L
AEM597	20.00	150.00	1500.	200.	10.L	20.	500.	0.N	0.0 N	20.
AEM598	50.00	30.00	1000.	150.	10.L	10.	700.	0.N	0.0 N	20.
AEM599	30.00	50.00	1000.	150.	10.L	20.	700.	0.N	0.0 N	20.
AEM600	100.00	300.00	3000.	150.	10.	30.	500.	0.N	0.0 N	10.
AEM601	30.00	200.00	500.	150.	10.L	10.	150.	0.N	0.0 N	0.N
AEM602	150.00	300.00	2000.	100.	10.L	30.	500.	0.N	0.0 N	10.
AEM603	30.00	70.00	1000.	150.	10.L	10.	1000.	0.N	0.0 N	20.
AEM656	5.00	20.00	200.	0.N	10.	0.N	20.	10.L	0.0 N	0.N
AEM657	5.00	10.00	200.	0.N	10.	0.N	70.	10.L	0.0 N	0.N
AEM658	70.00	200.00	2000.	100.	10.L	0.N	500.	0.N	0.0 N	10.
AEM659	100.00	200.00	2000.	100.	10.L	0.N	500.	0.N	0.0 N	0.N
AEM660	150.00	150.00	2000.	100.L	10.L	20.	500.	0.N	0.0 N	0.N
AEM661	150.00	150.00	1000.	150.	10.L	20.	1000.	0.N	0.0 N	20.
AEM662	100.00	100.00	3000.	150.	10.L	10.	1000.	0.N	0.0 N	10.

## PT-PD DATA IRON CANYON

SAMPLE	Y	CD	CU	ZR	AG	LA	ZN	SC	CO	AU
AEH536	10.00	0.0	150.00	50.	0.50L	0.0	0.0	5.00	10.00	0.0400
AEH537	10.00L	0.0	15.00	20.	1.00	0.0	0.0	5.00L	5.00	0.0200L
AEH538	10.00L	0.0	5.00	15.	1.00	0.0	0.0	5.00L	5.00L	0.0200L
AEH594	0.0 N	0.0	20.00	20.	0.50L	0.0	0.0	5.00L	5.00L	0.0200L
AEH595	20.00	0.0	200.00	200.	2.00	20.	0.0	30.00	7.00	0.4000
AEH596	10.00	0.0	150.00	100.	0.70	0.0	0.0	15.00	5.00	0.0200L
AEH597	20.00	0.0	30.00	200.	0.50L	20.	0.0	30.00	7.00	0.0200L
AEH598	15.00	0.0	50.00	150.	0.0 N	20.	0.0	20.00	20.00	0.0200L
AEH599	20.00	0.0	30.00	200.	0.0 N	0.0	0.0	30.00	20.00	0.0200
AEH600	15.00	0.0	200.00	200.	1.50	0.0	0.0	30.00	15.00	0.0200L
AEH601	10.00L	0.0	10.00	50.	0.50L	0.0	0.0	5.00	7.00	0.0200L
AEH602	15.00	0.0	100.00	100.	0.70	0.0	200.0	20.00	20.00	0.0200L
AEH603	20.00	0.0	70.00	200.	0.0 N	20.	200.0	20.00	20.00	0.0200L
AEH656	0.0 N	0.0	10.00	15.	0.70	0.0	0.0	0.0 N	5.00L	0.0200L
AEH657	0.0 N	0.0	5.00	10.	0.70	0.0	0.0	0.0 N	5.00L	0.0200L
AEH658	30.00	0.0	100.00	200.	0.0 N	0.0	0.0	20.00	15.00	0.0200L
AEH659	20.00	0.0	50.00	70.	0.0 N	0.0	0.0	20.00	20.00	0.0200L
AEH660	15.00	0.0	150.00	100.	0.50L	0.0	0.0	30.00	20.00	0.0200L
AEH661	20.00	0.0	70.00	200.	0.50L	0.0	0.0	30.00	20.00	0.0200L
AEH662	20.00	0.0	150.00	200.	0.50L	0.0	0.0	30.00	30.00	0.0200L



## PT-PD DATA IRON CANYON

SAMPLE	HG	PT	PD	X COORD	Y COORD
AEH536	0.010000L	0.0	N	375790.	113980.
AEH537	0.030000	0.0	N	375920.	113840.
AEH538	0.020000	0.0	N	375935.	114025.
AEH594	0.010000L	0.0	N	376115.	112615.
AEH595	0.020000	0.0	N	376135.	112590.
AEH596	0.020000	0.0	N	376235.	112545.
AEH597	0.010000L	0.0	N	376330.	112510.
AEH598	0.020000	0.0	N	376440.	112495.
AEH599	0.010000L	0.0	N	376885.	112410.
AEH600	0.020000	0.0	N	376770.	112435.
AEH601	0.010000L	0.0	N	376665.	112465.
AEH602	0.020000	0.0	N	376665.	112465.
AEH603	0.010000L	0.0	N	376625.	112465.
AEH656	0.010000L	0.0	N	376050.	113825.
AEH657	0.040000	0.0	N	376165.	113885.
AEH658	0.010000L	0.0	N	376340.	113860.
AEH659	0.010000L	0.0	N	376295.	113735.
AEH660	0.040000	0.005000L	0.002000	376290.	113640.
AEH661	0.010000L	0.0	N	376425.	113625.
AEH662	0.010000L	0.0	N	376365.	113485.