Yukon Mining Incentives Program

Final Report
Bonnet Plume Mines Project

Focused Regional Module
YMIP 03- 010

Bernie Kreft

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YEIP
2003-010
2003

Project Location – The Bonnet Plume Mines (BPM) project is located in the Mayo Mining District on NTS mapsheets 106-C-5/13/14. The approximate centre of the project is at UTM 580000E and 7175000N.

Access – Access to the target area was by helicopter.

Exploration Target – BPM was a reconnaissance program designed to evaluate the Olympic Dam type Cu-Co-Au potential of Proterozoic stratigraphy along the east edge of the Bonnet Plume Basin. Geology consists of a variety of Proterozoic phyllite, quartzite, shale and dolomite intruded by diorite dykes and plugs, and areas of Wernecke Breccia. Wernecke Breccias have numerous distinct similarities to the world class Olympic Dam deposit in Australia.

Mineralization in the BPM area was first discovered by Bonnet Plume River Mines in 1969. Their work resulted in the discovery of three main areas of mineralization (Glacial Lake, Tetrahedrite Creek and Dolores Creek) and several reconnaissance targets requiring further work, the most important being Kohse Creek. Although successful, the projects were funded by a private syndicate, and the money soon ran out. The only other work on these targets was conducted by John Hajek during the period 1981 to 1999. This work is poorly documented and focused entirely on the search for narrow and discontinuous high grade Au-Ag-As-Sb-Cu-Co veins. This project focused on Glacial Lake, Tetrahedrite Creek and Kohse Creek and their bulk tonnage Cu-Co-Au potential.

Work in the Glacial Lake area was designed to assess several known showings and the surrounding area. Chalcopyrite mineralization was found predominantly within quartzite that was commonly fractured and iron-carbonate altered, and located proximal to diorite dykes. Rock sampling returned values of up to 60870 ppm copper, other anomalous trace elements include up to >2000 ppm Co, 3510 ppm As, 135 ppm Ni and 350 ppb Au. Silt sampling confirmed the presence of the previously reported RGS anomalies, and helped better define potential source areas. Sample PGLS-1 returned 482 ppm Cu, 113 ppm Ni, 162 ppm Co along with high U and As. The source area for this sample is restricted to the head of the stream, and although preliminary prospecting was unsuccessful in locating mineralization, further work is warranted, although not of high priority. The main hindrance to work at this site is the extremely rugged topography, which also prevented work on several of the historically known mineralized showings.

Work in the Tetrahedrite Creek area was designed to assess several showings and nearby un-explained RGS silt anomalies. This work was disappointing, in that the showings, which were reportedly large and well documented, could not be located. Follow-up silt sampling within the anomalous drainages confirmed the presence of the previous copper RGS silt anomalies, but prospecting undertaken concurrently with the silt sampling was unsuccessful in locating a source.

Work at Kohse Creek was designed to follow up a series of RGS copper in silt anomalies in an area underlain by Proterozoic sediments cut by several large diorite dykes. This work located sporadic low-grade (100-400 ppm Cu) chalcopyrite mineralization within calcite veined and epidote altered diorite dykes. A sample of calcite veined sedimentary rock returned 2288 ppm copper and suggests the potential for higher-grade mineralization within sediments adjacent to the dykes. Silt sampling confirmed the previous RGS silt anomalies and has partially defined several areas worthy of more detailed work. Anomalous elements in silt include up to 363 ppm Cu, 1097 ppm Pb and 2592 ppm

Zn. Anomalous lead and zinc values appear to follow a separate path than copper, and constitute a second interesting exploration target.

Conclusions – The rugged topography in the Glacial Lake area will severely hinder most forms of exploration. Mineralization at Glacial Lake is found predominantly within small zones associated with narrow diorite dykes. No significant mineralization was located in the Tetrahedrite Creek area. Work at Kohse Creek returned numerous anomalous values for copper in silt that are worthy of follow-up. Work at Kohse Creek returned numerous coincident anomalous values for lead and zinc in silt that are worthy of follow-up.

Recommendations – Further work is recommended for the Kohse Creek area. This work should consist of continued recce scale prospecting and silt sampling, with detailed prospecting required at and upstream of sample sites BKS-2, BKS-3 and BKS-4. A literature search should be conducted to help define a potential target type to help direct Pb-Zn exploration.

Budget

Helicopter 3.5 hours	\$3850.00
Wages 3 men x 2 days	\$1800.00
Report Preparation	\$1000.00
Food and Camp Supplies	\$500.00
Assaying 100 samples	\$2200.00
TOTAL =	\$9350.00

Bonnet Plume Mines Samples

BGLR-1 >	Fe-Co altered dark qtzt with hem along fractures, magnetic
BGLR-2 >	fractured qtzt with heavy Cu diss and frac controlled, magnetic 2%
BGLR-3 >	Weak Fe-Co altered and veined qtzt with fine diss chalco, magnetic .3%
BGLR-4 >	Qtzt with calcite filled fractures clots of Chalco in some larger fracs .2%
BGLR-5 >	weakly hematite altered heterolithic brx with trace diss py-cu
BGLR-6 >	qtzt with minor limonite and chalco on fractures
BGLR-7 >	Purple qtzt with trace diss py-cu??
BGLR-8 >	Brx qtzt with diss py and hem
BGLR-9 >	limonitic grey qtzt with abundant fine diss py 4%
BGLR-10 >	weak hem altered diorite with trace diss py-cu
BGLR-11 >	Carbonate altered qtzt with fine diss chalco .1%
BGLR-12 >	Hematite altered and min purple frag brx
BGLR-13 >	Hem alt and min homolithic qtzt brx
BGLR-14 >	as 12
BGLR-15 >	as 12
PGLR-1 >	brx qtzt cemented with carbonate and hematite
PGLR-2 >	weak hematite altered siltstone brx with calcite groundmass
PGLR-3 >	carbonate altered sed rock with trace diss py
PGLR-4 >	hetero brx
PGLR-5 >	brx sed rock with fine diss py-cu .3%
PGLR-6 >	? rock?
PGLR-7 >	limonitic fractured qtzt with qtz and chalco filling fracs and trace diss cu .3%
PGLR-8 >	hematite altered and min brx qtzt
PGLR-9 >	qtz-chalco cemented brx qtzt .2%
PGLR-10 >	hematite min purple fragment brx with minor fine diss py
PGLR-11 >	hematite min heterolithic brx with trace diss chalco
PGLR-12 >	hematite mineralized grey siltstone brx
PGLR-13 >	fractured qtzt with qtz and chalco on fractures
PGLR-14 >	qtzt with fine diss chalco and cobaltite .3%
PGLR-15 >	fractured carbonate altered sed rock with some chalco on fractures .1%
PGLR-16 >	carbonate altered siltstone min with diss hem and chalco
PGLR-17 >	Fe-Co altered qtzt with trace diss hem and py
PGLR-18 >	Calcite cemented siltstone brx
PGLR-19 >	as above with minor chalco
PGLR-20 >	fault brx cutting siltstone
PGLR-21 >	hematite min purple and red fragment brx
PGLR-22 >	sed rock with trace diss chalco
PGLR-23 >	red and purple hematite min brx
PGLR-24 >	as per 23
PGLR-25 >	as per 23
PGLR-26 >	homolithic siltstone brx with hematite alteration and min
PGLS-1 to 4	Silts
PGLR-1 to 4	Silts

Bonnet Plume Mines Samples

PMLR-1 >	carbonate altered sed rock with clots of diss py to 2%
PKR-1 >	foliated diorite
PKR-2 >	limonitic sed rock with trace diss py and possible weak chlorite alteration
PKR-3 >	diorite cut by narrow weak calcite-py-cu lined fracture
PKR-4 >	epidote altered diorite
PKR-5 >	diorite with minor diss py
PKR-6 >	as above
PKR-7 >	? altered rock with 1% fine diss py
PKR-8 >	qtz siltstone brx
PKR-9 >	calcite veined ? rock with several clots of pyrite poss trace cu
PKR-10 >	epidote altered diorite with trace diss py
BKR-1 >	epidote veined diorite with trace py-cu in veins
BKR-2 >	calcite veined diorite with trace py-cu in veins
BKR-3 >	diorite cut by epidote calcite py vein
BKR-4 >	sed rock with trace diss py
BKR-5 >	diorite with about .5% fine diss py
BKR-6 >	weakly frac ? rock with calcite-py-cu in fracs
BKR-7 >	diorite
BKS-1 to 4	Silts
PKS-1 to 5	Silts
PMLS-1/2	Silts

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GEOCHEMICAL ANALYSIS CERTIFICATE

Kreft, Bernie File # A302731 Page 1
#1 Locust Place, Whitehorse YT Y1A 5C4 Submitted by: Bernie Kreft

SAMPLE#	Mo ppm	Cu ppm	Pb ppm	Zn ppm	Ag ppm	Ni ppm	Co ppm	Mn ppm	Fe %	As ppm	U ppm	Au ppb	Th ppm	Sr ppm	Cd ppm	Sb ppm	Bi ppm	V ppm	Ca %	P %	La ppm	Cr ppm	Mg %	Ba ppm	Ti %	B ppm	Al %	Na %	K %	W ppm	Hg ppm	Sc ppm	Tl ppm	S %	Ga ppm	Se ppm	Te ppm	Au** ppb
SI	.3	2.2	.6	3	<.1	1.0	.4	20	.13	1.7	<.1	<.5	<.1	5	<.1	.2	<.1	2	.28	.001	<1	3.3	.04	5	.005	<1	.05	.844	.01	.6	.01	.3	<.1	<.05	<1	<.5	<1	<2
PGLR-1	4.0	10.1	1.6	12	<.1	15.0	10.0	2852	4.29	3.3	.5	1.7	6.6	20	.1	.3	.2	28	4.27	.041	40	18.3	1.52	35	.023	1	.35	.010	.21	1.7	.01	2.9	<.1	<.05	1	<.5	<1	3
PGLR-2	1.0	.9	1.5	25	<.1	20.6	18.4	4712	5.08	4.2	.7	<.5	4.4	34	<.1	.3	<.1	46	9.89	.031	10	8.8	3.69	37	.005	1	.25	.012	.14	.3	.01	4.9	<.1	<.05	1	<.5	<1	<2
PGLR-3	14.6	2.1	2.1	6	<.1	22.9	30.1	1530	2.70	9.8	2.6	2.6	12.7	28	<.1	.1	.2	36	5.55	.160	11	33.2	2.50	68	.004	2	.14	.075	.01	1.0	.01	9.4	<.1	.44	1	.9	<1	4
PGLR-4	.5	3.2	1.5	49	<.1	50.8	30.4	899	3.38	2.8	1.3	2.9	13.2	18	<.1	.2	<.1	27	2.29	.068	61	27.7	2.47	30	.003	1	1.98	.026	.22	.2	.01	3.4	<.1	<.05	8	<.5	<1	2
PGLR-5	3.4	11.0	1.9	32	.1	30.9	20.0	4818	7.52	14.9	4.9	5.1	8.6	35	<.1	.6	1.5	41	8.94	.062	6	19.1	3.28	32	.001	1	1.20	.001	.17	.5	.03	8.1	.1	.91	3	<.5	<1	7
PGLR-6	.2	9.8	2.1	15	<.1	7.1	7.4	7485	6.58	8.2	.3	<.5	2.4	96	<.1	.1	.1	47	15.57	.007	2	6.4	6.61	25	<.001	<1	.23	.021	.05	.2	.01	3.2	<.1	<.05	1	<.5	<1	<2
PGLR-7	7.8	10105.0	1.6	12	1.0	85.5	71.9	529	3.03	187.7	3.4	73.8	12.0	6	<.1	.3	2.7	3	.55	.037	<1	11.7	.18	32	.001	1	.28	.033	.18	2.0	.03	1.0	<.1	2.10	1	.6	<1	128
PGLR-8	.7	52.3	1.1	5	<.1	7.1	5.0	3019	3.71	4.5	1.0	6.4	11.4	25	<.1	.3	.1	21	4.55	.068	15	23.1	1.78	23	.016	1	.25	.052	.13	.9	.02	5.0	<.1	<.05	1	<.5	<1	3
PGLR-9	3.7	7032.1	1.6	10	.7	24.0	7.0	135	1.25	23.3	2.0	191.6	7.4	4	<.1	.2	.9	1	.12	.028	<1	15.6	.03	36	.001	1	.24	.036	.17	2.9	.04	.6	<.1	.75	1	<.5	<1	133
PGLR-10	1.1	48.6	1.5	6	<.1	5.8	9.0	2739	5.16	2.4	2.9	2.3	10.9	25	<.1	.5	.1	45	4.28	.026	186	26.2	1.86	25	.034	<1	.21	.066	.09	1.1	.01	7.3	<.1	<.05	2	<.5	<1	8
PGLR-11	4.9	26.6	1.2	4	<.1	5.1	11.8	1889	3.16	5.3	3.6	4.1	12.2	50	<.1	.5	.2	17	5.51	.066	22	16.0	.74	67	.018	<1	.55	.006	.37	1.7	<.01	2.9	.1	<.05	2	<.5	<1	10
PGLR-12	3.5	3.5	1.4	3	<.1	6.8	10.9	2102	3.73	4.2	7.7	4.7	12.8	37	<.1	.5	.1	17	4.77	.068	43	14.3	1.11	67	.019	1	.48	.005	.31	1.4	.01	3.2	.1	<.05	1	<.5	<1	7
PGLR-13	5.4	5326.7	1.0	6	.7	135.4	991.1	2483	2.80	1598.1	2.7	188.1	5.9	23	<.1	.2	.9	1	4.25	.084	1	9.2	1.52	16	.001	1	.17	.035	.08	2.0	.04	1.9	<.1	.51	<1	<.5	<1	350
PGLR-14	3.2	2381.8	2.1	8	.3	92.5	>2000	1603	1.52	3510.2	2.0	59.7	9.7	22	.1	.2	.6	2	2.70	.048	1	6.4	1.11	28	.001	2	.23	.045	.14	1.2	.02	1.9	<.1	.42	1	<.5	<1	67
PGLR-15	2.9	4573.4	2.8	21	.9	28.6	26.5	4537	2.96	70.7	.5	25.6	2.3	99	.1	.4	1.5	1	13.44	.040	2	2.7	1.51	12	.002	1	.10	.056	.01	.4	.07	8.0	<.1	.90	<1	6.5	<1	62
PGLR-16	.9	3808.4	2.4	20	2.3	23.2	29.0	6928	12.08	27.4	.9	38.1	1.7	2	.1	.9	2.5	4	.05	.038	2	5.7	.19	10	<.001	4	.49	.011	.05	1.3	.07	2.2	.2	.37	1	<.5	<1	71
PGLR-17	3.4	79.2	3.1	13	.1	6.1	17.1	6955	9.15	25.6	.3	2.5	.7	3	<.1	6.5	.7	12	.50	.002	2	15.4	.55	3	.001	2	.18	.013	.01	3.2	.07	1.3	.4	.61	1	<.5	<1	4
PGLR-18	.8	65.9	8.2	26	.1	16.1	22.9	8090	7.63	10.2	.5	<.5	2.4	114	.1	.3	.1	19	12.59	.008	4	4.3	4.38	12	<.001	1	.27	.034	.06	.2	.06	3.1	<.1	.08	1	<.5	<1	3
PGLR-19	3.4	2461.3	3.6	13	.8	10.6	30.0	3990	3.92	63.9	.5	3.3	.2	53	<.1	.5	.6	1	5.55	.002	3	12.8	1.74	7	<.001	1	.04	.010	.01	3.2	.06	.6	.2	.24	<1	<.5	<1	6
PGLR-20	1.5	25.5	2.7	B	.1	2.6	6.8	4031	3.14	97.5	.7	<.5	.9	57	<.1	.3	1.0	1	13.41	.008	2	1.6	6.17	17	<.001	1	.06	.005	.04	.2	.01	.6	.1	<.05	<1	<.5	<1	2
RE PGLR-20	1.7	24.9	2.8	8	.1	2.1	6.5	4103	3.19	101.0	.6	<.5	.9	58	<.1	.3	1.0	<1	13.67	.008	2	1.8	6.27	18	<.001	1	.06	.007	.04	.2	.01	.5	.1	<.05	<1	<.5	<1	3
PGLR-21	2.3	26.4	1.5	2	<.1	1.9	3.8	1596	2.33	6.9	1.3	87.4	12.5	27	<.1	.3	.1	26	6.20	.061	23	20.8	.33	62	.031	1	.23	.011	.21	1.5	.01	6.4	<.1	<.05	1	<.5	<1	3
PGLR-22	10.7	1197.7	1.7	16	.4	29.5	23.4	252	3.22	5.7	15.8	3.4	9.0	3	<.1	.4	.6	41	.26	.065	17	46.9	1.58	154	.006	<1	1.39	.014	.11	.3	.57	3.4	<.1	.22	8	1.3	<1	12
PGLR-23	.6	41.4	1.6	23	.1	31.0	28.7	629	3.78	7.4	.7	3.7	11.7	5	<.1	.3	.2	43	.75	.082	37	25.3	2.13	65	.026	2	1.47	.011	.12	.8	.08	7.4	<.1	<.05	12	<.5	<1	4
PGLR-24	1.7	5.9	1.4	31	<.1	39.6	23.3	337	3.66	7.4	.4	46.8	13.5	6	<.1	.4	<.1	36	.95	.080	96	28.6	2.45	41	.047	2	1.62	.009	.15	1.2	.04	7.4	<.1	<.05	12	<.5	<1	9
PGLR-25	.7	9.3	1.5	3	<.1	1.6	2.9	799	3.01	4.2	3.1	.7	13.6	19	<.1	.4	<.1	39	3.18	.055	36	24.6	.12	427	.041	1	.20	.070	.03	.8	<.01	4.1	<.1	<.05	1	<.5	<1	4
PGLR-26	1.2	5.1	1.4	4	<.1	1.4	1.9	1001	3.05	6.9	1.1	<.5	11.8	7	<.1	.5	<.1	35	1.66	.078	10	29.0	.65	147	.065	1	.18	.071	.08	.9	<.01	3.9	<.1	<.05	1	<.5	<1	<2
BGLR-1	20.2	12.5	1.3	3	<.1	24.0	1.6	490	3.75	2.2	2.1	5.8	14.9	4	<.1	.2	<.1	9	.61	.055	30	15.0	.19	52	.006	1	.50	.008	.32	.9	.01	1.0	<.1	<.05	2	<.5	<1	12
BGLR-2	6.5	60870.8	2.9	7	.5	40.7	126.0	252	9.21	5.7	3.2	60.6	13.0	4	.1	.2	5.6	8	.22	.042	365	19.8	.06	61	.005	2	.47	.010	.27	2.0	.06	.8	<.1	2.02	1	14.9	1	132
BGLR-3	1.0	694.0	.9	2	<.1	16.4	5.2	1365	3.31	1.9	1.8	2.2	11.2	11	<.1	.1	.1	4	2.26	.053	32	14.0	.89	55	.004	2	.37	.007	.25	.6	.01	.9	<.1	<.05	1	<.5	<1	7
BGLR-4	2.3	2759.1	.8	3	<.1	17.2	7.3	1341	3.20	1.9	2.1	19.9	9.0	14	<.1	.1	.2	4	2.18	.046	66	15.9	.93	69	.004	1	.36	.007	.25	1.2	.01	1.5	<.1	.14	1	<.5	<1	14
BGLR-5	3.6	32.5	1.5	4	<.1	6.5	14.2	2725	4.05	5.3	2.3	6.1	7.4	21	<.1	.3	.9	7	6.07	.043	4	4.1	2.50	31	.001	1	.33	.008	.22	.4	.02	2.3	.1	1.31	1	<.5	<1	15
BGLR-6	4.2	353.6	2.3	7	.2	33.1	31.5	249	.68	41.6	1.0	1.2	6.6	4	<.1	1.1	1.0	<1	.59	.005	9	14.8	.26	5	.001	1	.06	.047	.02	2.9	<.01	.5	<.1	.07	<1	<.5	<1	5
BGLR-7	1.1	109.6	2.2	5	<.1	227.1	250.9	2410	3.05	23.2	1.7	.5	9.8	21	<.1	.2	2.4	24	5.88	.064	5	13.6	2.47	8	.001	<1	.16	.059	.06	.3	<.01	7.5	<.1	.60	1	<.5	<1	3
STANDARD D	12.6	145.1	26.1	133	.3	24.7	11.9	773	2.91	16.7	6.4	39.7	2.7	48	5.7	3.8	6.4	59	.74	.092	11	180.4	.65	134	.091	19	2.02	.032	.13	4.6	.17	3.4	1.0	<.05	6	4.9	1	490

Standard is STANDARD DS5/AU-R.
GROUP 1DX - 0.50 GM SAMPLE LEACHED WITH 3 ML 2-2-2 HCL-HNO3-H2O AT 95 DEG. C FOR ONE HOUR, DILUTED TO 10 ML, ANALYSED BY ICP-MS.
UPPER LIMITS - AG, AU, HG, W = 100 PPM; MO, CO, CD, SB, BI, TH, U & B = 2,000 PPM; CU, PB, ZN, NI, MN, AS, V, LA, CR = 10,000 PPM.
- SAMPLE TYPE: ROCK R150 60C AU** GROUP 3B - 30.00 GM SAMPLE ANALYSIS BY FA/ICP.
Samples beginning 'RE' are Reruns and 'RRE' are Reject Reruns.

Assay recommend for Cu > 1%
Au > 1000 p[illegible]

DATE RECEIVED: JUL 18 2003 DATE REPORT MAILED: July 29/03 SIGNED BY.......D. TOYE, C.LEONG, J. WANG; CERTIFIED B.C. ASSAYERS

Data [illegible] FA ____

SAMPLE#	Mo ppm	Cu ppm	Pb ppm	Zn ppm	Ag ppm	Ni ppm	Co ppm	Mn ppm	Fe %	As ppm	U ppm	Au ppb	Th ppm	Sr ppm	Cd ppm	Sb ppm	Bi ppm	V ppm	Ca %	P %	La ppm	Cr ppm	Mg %	Ba ppm	Ti %	B ppm	Al %	Na %	K %	W ppm	Hg ppm	Sc ppm	Tl ppm	S %	Ga ppm	Se ppm	Te ppm	Au** ppb
BGLR-8	2.4	2.2	1.7	9	<.1	16.4	74.8	2881	4.07	2.4	3.3	3.3	8.2	37	<.1	.4	.2	8	5.84	.048	7	6.1	2.56	37	.006	<1	.61	.017	.29	.6	.05	2.9	.1	.61	1	.5	<1	4
BGLR-9	1.7	345.8	8.6	23	.8	102.5	85.6	153	5.90	110.9	1.3	4.6	7.2	3	<.1	1.4	14.3	<1	.29	.015	2	3.1	.09	5	<.001	<1	.18	.081	.02	.6	.04	.3	.2	6.62	<1	.6	<1	3
BGLR-10	2.2	289.1	1.0	64	<.1	96.8	29.3	2382	4.62	2.8	.5	4.8	3.2	5	<.1	.2	.5	102	2.86	.015	6	57.1	3.20	22	.005	<1	2.29	.038	.11	.2	.02	15.1	.1	.14	12	.5	<1	6
BGLR-11	.8	1562.0	3.5	10	.9	8.9	19.0	3733	3.33	65.8	.5	2.5	.4	16	.1	.6	.8	1	4.98	.012	3	4.3	1.21	6	<.001	<1	.04	.005	.01	1.6	.18	.3	.1	.26	<1	<.5	<1	5
BGLR-12	.4	10.6	1.6	15	<.1	9.5	5.5	907	2.63	4.4	.3	3.5	11.2	10	.1	.5	.2	23	2.78	.079	45	17.5	1.36	64	.033	<1	.24	.002	.20	1.0	.03	7.5	<.1	<.05	2	<.5	<1	<2
BGLR-13	.3	20.7	2.3	7	.1	4.1	5.7	1093	1.74	1.3	.5	3.8	7.7	13	<.1	.8	1.5	7	4.20	.063	25	7.1	2.03	608	.003	11	.30	.004	.19	.6	.37	2.5	<.1	.08	1	<.5	<1	4
BGLR-14	.4	2.5	1.4	7	<.1	21.5	10.4	691	3.05	3.9	.3	.5	11.7	8	<.1	.4	.1	31	1.97	.077	63	21.3	1.67	128	.034	<1	.77	.004	.18	1.1	.01	5.1	<.1	<.05	5	<.5	<1	4
BGLR-15	.4	2.8	.8	3	<.1	6.9	5.1	757	2.17	4.2	.4	2.5	12.2	6	<.1	.2	.1	19	1.98	.067	20	15.9	1.00	58	.017	<1	.44	.005	.32	1.2	.06	5.2	<.1	<.05	2	<.5	<1	2
PAAR-1	.5	73.1	24.3	30	.2	51.0	92.4	3096	4.41	33.4	.9	5.1	6.6	68	.1	.7	1.6	10	5.23	.066	28	10.7	2.01	35	.008	<1	.98	.015	.23	.3	.02	1.7	.2	.43	2	.7	<1	6
PAAR-2	.3	3.0	1.5	8	<.1	9.6	4.5	1995	1.70	1.0	.8	1.2	8.0	27	<.1	.2	.1	22	4.04	.058	11	18.9	1.92	77	.021	<1	.23	.046	.13	.8	.01	2.9	.1	<.05	1	<.5	<1	<2
PAAR-3	2.6	7.1	2.8	7	<.1	31.0	189.9	1729	6.77	20.4	2.4	8.6	20.2	16	<.1	.2	.4	99	3.61	.621	13	48.8	1.00	35	.012	<1	.52	.053	.12	1.1	.02	7.8	<.1	.84	3	2.0	<1	9
PAAR-4	.7	3.2	2.0	5	<.1	3.5	11.1	2188	2.00	1.5	.7	<.5	8.2	24	<.1	.2	.2	21	4.07	.066	18	15.4	1.38	54	.025	<1	.17	.054	.04	.3	.03	3.2	<.1	<.05	1	<.5	<1	<2
PAAR-5	1.2	16.2	1.8	4	<.1	2.5	2.2	306	3.87	3.9	1.1	<.5	17.7	5	<.1	.3	.2	105	.36	.114	6	43.8	.07	12	.094	<1	.21	.127	.02	.8	<.01	.7	<.1	<.05	1	<.5	<1	<2
PAAR-6	.5	4.5	2.0	9	<.1	10.9	2.6	2667	3.74	1.1	1.8	1.0	10.7	18	<.1	.2	<.1	24	3.55	.066	3	12.7	1.51	31	.007	<1	.50	.038	.13	.3	.02	4.4	.1	<.05	2	<.5	<1	2
PAAR-7	1.1	2.7	1.8	13	<.1	55.1	29.6	958	12.87	1.8	1.3	<.5	2.7	7	<.1	.1	.1	546	1.32	.054	9	6.8	2.40	30	.009	<1	1.98	.055	.01	.2	<.01	15.3	<.1	<.05	13	<.5	<1	<2
PAAR-8	.6	4.2	2.7	19	<.1	26.1	6.6	1430	6.91	1.6	1.6	.9	7.4	13	<.1	.5	.1	87	2.06	.097	8	42.0	.99	27	.017	<1	.64	.033	.05	.9	<.01	2.3	<.1	<.05	3	<.5	<1	<2
PAAR-9	52.3	2.1	1.6	3	.1	12.6	177.1	18	8.58	3.5	4.8	6.8	11.9	2	<.1	.5	.9	113	.12	.054	9	32.5	.03	7	.113	<1	.18	.098	.01	2.0	.01	1.6	<.1	1.63	1	1.2	<1	4
PAAR-10	24.0	1350.7	1.4	1	.6	5.7	3.6	189	.61	<.5	2.8	27.9	9.6	8	<.1	.2	.3	6	.92	.106	35	5.2	.37	5	.003	<1	.17	.116	.01	.3	.01	2.3	<.1	.16	1	1.7	<1	37
PAAR-11	2.8	7743.1	.9	12	1.4	82.4	19.6	365	6.09	1.3	5.0	41.1	11.4	4	<.1	.1	.2	28	.38	.084	26	20.5	1.51	55	.004	<1	1.90	.007	.33	1.0	.02	2.3	<.1	.71	6	.9	<1	33
PAAR-12	10.1	56.5	.7	8	<.1	120.4	85.5	451	13.77	7.5	1.8	9.0	6.7	9	<.1	.2	.2	317	1.27	.163	10	47.6	1.40	44	.035	<1	1.32	.062	.47	.2	<.01	5.8	.1	.53	11	2.8	<1	12
PAAR-13	1.5	329.1	9.3	28	<.1	56.7	39.3	552	4.51	2.9	.1	5.0	.6	43	.1	.2	.1	120	1.14	.055	2	60.3	1.52	26	.271	<1	1.77	.036	.02	1.0	.01	2.9	<.1	<.05	6	.7	<1	10
RE PAAR-13	1.5	330.9	9.8	26	.1	58.0	38.4	560	4.58	3.0	.1	14.0	.7	45	.1	.2	.1	123	1.16	.054	2	61.4	1.54	28	.276	<1	1.80	.035	.02	.9	.02	3.1	<.1	<.05	6	<.5	<1	10
PB2R-1	1.2	15.0	1.6	24	<.1	27.0	4.0	195	2.50	1.6	1.2	.7	11.6	14	<.1	.4	.1	10	.21	.096	21	17.0	.76	131	.004	<1	1.39	.012	.27	.2	.03	1.3	.1	<.05	4	<.5	<1	<2
PB2R-2	1.7	6.9	1.2	27	<.1	24.7	31.8	418	5.01	4.7	2.4	2.7	10.9	3	<.1	.1	.1	134	.28	.104	18	35.8	3.72	66	.045	4	2.68	.036	.21	.6	.08	14.4	.1	<.05	13	<.5	<1	2
PB2R-3	1.4	6.2	5.4	16	<.1	26.8	13.0	515	6.95	6.0	2.9	2.2	12.5	4	<.1	.4	.1	66	.48	.066	32	50.9	2.37	119	.069	3	1.59	.007	.24	1.0	.03	6.7	<.1	<.05	11	<.5	<1	<2
PB2R-4	1.3	4.2	2.7	25	<.1	27.0	16.5	789	4.65	6.5	3.7	1.8	11.8	13	.1	.6	.1	33	.82	.064	33	35.4	2.24	760	.034	4	1.86	.003	.35	.6	.04	3.2	.1	<.05	9	<.5	<1	2
PB2R-5	.2	15.9	3.0	122	.1	287.1	43.6	1520	8.27	5.2	.2	<.5	1.7	53	.1	.3	.3	307	2.34	.054	10	411.6	4.82	106	.144	<1	4.88	.017	.03	.2	.01	10.7	<.1	<.05	16	<.5	<1	<2
PB2R-6	.5	47.4	3.6	71	<.1	484.7	46.5	1211	6.95	1.7	.2	.5	1.6	73	.1	.1	.1	176	2.53	.041	4	712.6	5.64	115	.101	3	4.50	.005	.08	<.1	<.01	7.7	.1	<.05	12	<.5	<1	3
PB2R-7	2.4	2269.0	6.9	22	.4	22.9	7.1	1301	4.64	1.7	1.1	3.0	2.2	30	<.1	.5	.2	163	3.55	.033	10	63.2	.43	22	.203	<1	.45	.082	.01	1.1	.03	2.4	<.1	.09	2	1.4	<1	11
PB2R-8	.3	10.9	1.0	2	<.1	3.3	.6	3434	.63	1.3	2.9	<.5	9.5	386	<.1	<.1	.1	11	23.83	.075	12	11.5	.17	205	.007	<1	.24	.019	.08	.3	<.01	2.6	<.1	.08	1	<.5	<1	2
PB2R-9	.7	27.3	3.4	86	<.1	43.9	30.4	1583	6.19	3.7	.9	<.5	1.3	18	<.1	.3	.1	200	.83	.049	13	60.3	2.06	32	.313	<1	1.63	.067	.01	.8	.02	4.8	<.1	<.05	11	<.5	<1	<2
PB2R-10	1.2	12.7	5.4	101	<.1	51.9	28.3	2502	6.64	5.6	3.6	1.0	13.0	61	<.1	.3	.1	102	2.97	.069	26	57.9	2.73	1376	.128	3	2.20	.025	.08	.7	<.01	6.1	<.1	<.05	13	<.5	<1	3
PB2R-11	.8	5.3	7.8	51	<.1	29.8	41.6	978	2.34	6.0	.3	1.0	.4	90	.1	.4	.1	89	1.37	.035	4	27.0	1.00	43	.247	<1	1.31	.038	.01	.9	.01	4.2	<.1	.15	5	<.5	<1	3
PB2R-12	2.8	36.4	2.5	37	<.1	31.2	26.7	837	6.97	7.5	2.3	7.5	9.2	23	<.1	.4	.1	113	.61	.087	24	60.2	1.14	49	.167	<1	1.07	.085	.02	1.6	.01	3.4	<.1	<.05	7	<.5	<1	9
STANDARD D	13.0	140.0	25.6	135	.3	25.7	12.3	787	2.97	17.9	6.2	45.0	2.6	51	5.6	3.4	6.0	60	.78	.097	12	184.5	.66	134	.095	16	2.12	.034	.14	4.5	.18	3.6	.9	<.05	7	4.9	<1	483

Standard is STANDARD DS5/AU-R. Samples beginning 'RE' are Reruns and 'RRE' are Reject Reruns.

Data___ FA ____

SAMPLE#	Mo ppm	Cu ppm	Pb ppm	Zn ppm	Ag ppm	Ni ppm	Co ppm	Mn ppm	Fe %	As ppm	U ppm	Au ppb	Th ppm	Sr ppm	Cd ppm	Sb ppm	Bi ppm	V ppm	Ca %	P %	La ppm	Cr ppm	Mg %	Ba ppm	Ti %	B ppm	Al %	Na %	K %	W ppm	Hg ppm	Sc ppm	Tl ppm	S %	Ga ppm	Se ppm	Te ppm	Au** ppb
BAAR-37	1.2	315.7	8.9	15	<.1	4.8	10.5	3470	2.79	3.6	.9	<.5	7.1	41	.1	.8	.1	18	4.12	.048	18	14.1	2.05	1377	.036	<1	.18	.010	.17	1.2	.04	3.4	<.1	<.05	1	<.5	<1	<2
KGAAR-2	.8	6856.4	2.4	2	2.1	3.0	7.8	387	1.38	2.4	1.3	2161.4	2.9	12	<.1	.6	2.3	<1	.29	.003	1	8.2	.11	25	.003	<1	.13	.013	.07	3.1	.01	.4	<.1	.49	<1	.7	<1	20754
KGAAR-3	.9	69.8	1.1	1	.2	3.0	23.8	26	2.01	12.2	.7	238.4	.7	6	<.1	.1	1.8	1	.01	.002	2	7.5	.01	36	.003	<1	.16	.007	.09	2.5	.01	.2	<.1	1.39	<1	<.5	<1	186
KGAAR-7	3.8	7551.7	2.8	4	.8	39.8	152.8	61	3.05	16.6	5.0	154.7	8.4	4	<.1	.3	.6	10	.26	.116	8	12.8	.20	42	.001	<1	.36	.073	.16	2.0	.04	1.4	<.1	1.75	2	7.2	<1	94
KGAAR-8	1.1	2125.6	1.7	5	.1	80.8	33.4	92	1.34	4.4	4.8	5.5	14.3	4	<.1	.2	.1	60	.23	.112	34	28.3	1.56	49	.020	<1	1.21	.066	1.13	1.4	.01	5.0	.2	.24	6	1.1	<1	7
KGAAR-9	3.5	3090.0	1.5	3	.2	33.0	65.5	192	.97	7.0	3.4	6.6	13.7	4	<.1	.1	.2	18	.30	.110	27	14.9	.27	33	.006	3	.36	.101	.19	1.4	.01	2.5	<.1	.42	2	3.1	<1	13
KGAAR-10	49.7	3821.9	2.4	7	.5	111.4	291.7	269	2.81	78.9	9.5	14.3	14.7	8	<.1	.3	.4	32	.61	.107	7	19.1	.86	23	.008	2	.54	.115	.44	1.2	.03	4.7	.1	1.63	3	4.3	<1	19
KGAAR-11	1.3	379.9	1.7	2	.8	87.9	229.1	16	2.85	323.6	.8	2432.5	7.8	4	<.1	.2	.8	5	.05	.083	24	9.3	.02	14	.002	<1	.14	.082	.06	1.7	.03	.8	<.1	1.54	1	6.7	<1	27681
KGAAR-12	1.2	9606.5	2.6	4	10.9	122.4	221.2	32	7.86	16.2	.5	37577.9	1.3	2	<.1	.3	1.5	2	.01	.009	2	11.5	.02	15	.002	<1	.13	.018	.09	3.9	.13	.5	<.1	8.71	1	40.2	<1	34215
PMLR-1	.4	289.1	2.4	26	.3	54.4	66.9	936	7.09	54.5	.4	16.5	9.8	3	<.1	.4	1.1	7	.09	.024	28	15.6	.88	23	.002	<1	.98	.008	.13	.6	.01	4.1	<.1	.27	2	.8	<1	27
PKR-1	.1	34.1	.7	76	<.1	89.6	47.3	766	11.80	10.5	.1	2.2	.2	1	.1	.3	.3	220	.17	.020	1	33.2	6.35	31	.006	<1	6.67	.002	.02	.1	<.01	28.4	<.1	.06	15	<.5	<1	3
PKR-2	.4	25.7	1.3	20	.1	87.3	93.3	559	3.89	940.5	.2	22.9	.1	10	<.1	2.1	1.8	92	2.53	.032	2	29.8	1.59	11	<.001	<1	.96	.003	.16	.3	<.01	16.2	<.1	.06	2	<.5	<1	15
PKR-3	.4	154.7	35.7	122	.3	56.6	33.1	432	2.83	13.7	.2	1.1	.2	10	.5	1.0	.1	52	.87	.037	2	113.2	1.36	37	.100	<1	1.54	.038	.04	.3	.01	1.8	<.1	.26	4	.5	<1	5
PKR-4	.2	62.8	49.5	151	.1	64.6	20.9	993	3.34	3.4	<.1	.6	.1	14	.2	.7	<.1	84	1.45	.031	1	271.7	1.98	18	.111	<1	2.10	.048	.09	.3	.02	2.0	<.1	<.05	5	<.5	<1	2
PKR-5	.6	249.5	20.0	84	1.0	84.0	64.8	531	4.23	14.4	.2	4.4	.1	11	.2	4.4	.2	67	.55	.032	2	155.6	1.51	22	.139	10	1.75	.035	.02	.4	.04	2.1	<.1	1.17	4	1.2	<1	8
PKR-6	.4	19.0	4.3	108	.1	96.9	54.9	3645	7.71	5.5	.8	.6	<.1	52	.2	.3	.2	168	10.29	.022	4	243.5	4.05	15	.004	<1	3.67	.003	.02	.1	.01	30.1	<.1	.34	11	<.5	<1	2
PKR-7	.2	2.7	3.5	45	.1	100.6	86.2	3259	6.86	23.2	.3	.6	.1	31	<.1	.4	.9	124	7.04	.028	2	211.1	3.56	7	<.001	<1	.61	.007	.02	<.1	<.01	34.1	<.1	1.05	1	2.3	<1	6
PKR-8	11.0	15.0	3.0	42	.1	77.0	8.2	357	1.90	4.6	1.1	.6	3.1	2	.5	.9	.2	54	.20	.063	5	13.5	1.11	21	.004	1	1.12	.006	.12	1.2	.03	2.0	.1	.09	3	<.5	<1	3
PKR-9	4.2	2288.1	6.3	28	3.2	28.2	27.8	5090	11.40	30.6	.9	16.5	3.6	15	.1	1.5	1.1	4	3.65	.069	4	5.0	2.99	78	<.001	<1	.26	.008	.19	.7	.02	5.1	<.1	.58	1	.9	<1	12
PKR-10	.5	171.6	6.3	126	.1	58.1	36.7	1092	5.84	3.4	.3	3.3	3.1	57	<.1	.8	.1	89	2.20	.277	29	71.7	1.90	20	.166	1	2.38	.024	.08	.4	<.01	2.9	<.1	.06	8	<.5	<1	2
RE PKR-10	.6	179.6	6.2	133	.1	61.2	38.2	1151	6.14	3.8	.3	2.2	3.2	62	.1	.9	.1	94	2.32	.301	31	76.1	1.98	21	.174	1	2.51	.027	.08	.3	<.01	2.9	.1	.06	9	<.5	<1	2
BFLUR-1	.3	337.6	20.1	83	.1	32.8	25.4	765	3.22	4.3	.1	1.1	.8	19	.1	.8	.1	93	.66	.078	4	19.3	1.53	7	.248	<1	1.82	.036	.01	.3	.01	3.2	<.1	.07	4	<.5	<1	96
BFLUR-2	.5	2771.3	7.1	42	.4	13.4	5.1	676	2.82	3.3	.5	.6	7.4	22	.1	.3	.1	2	.70	.014	24	5.7	.48	34	.004	<1	.51	.011	.10	.8	.02	1.5	<.1	.21	1	<.5	<1	15
BFLUR-3	.5	5199.7	169.1	74	6.7	31.3	414.5	42	1.42	2984.3	.5	202.5	1.4	6	.7	10.2	164.9	<1	.02	.002	5	4.8	.02	14	.001	<1	.08	.013	.05	1.6	.03	.4	<.1	.81	<1	1.2	<1	207
BFLUR-4	.8	10490.9	109.7	178	7.2	18.3	16.6	111	4.40	20.9	1.0	12.1	2.2	4	.5	1.8	81.0	8	.02	.009	5	10.9	1.07	7	.001	<1	1.67	.009	.03	1.6	.11	1.6	<.1	1.02	4	2.6	<1	27
BFLUR-5	.4	928.5	10.5	68	.3	37.3	21.3	618	3.99	8.6	.1	1.1	.4	18	<.1	.8	1.3	145	.83	.038	2	60.7	1.54	17	.164	<1	1.87	.047	.07	.4	<.01	2.4	<.1	.10	6	<.5	<1	5
BFLUR-6	.2	64.0	1.7	52	.1	56.4	31.6	1015	8.69	11.8	<.1	3.0	.2	4	<.1	.4	.7	204	1.23	.042	1	86.6	3.48	6	.067	1	3.81	.032	.03	.3	<.01	8.3	<.1	<.05	11	<.5	<1	2
BFLUR-7	.4	3584.4	2.1	63	.4	114.8	62.5	119	5.54	31.9	1.3	10.3	12.5	2	<.1	.5	1.1	139	.04	.010	15	34.7	1.77	25	.006	2	2.88	.013	.16	.1	.01	5.0	<.1	.47	9	.7	<1	2
MBAAR-3	.8	8040.1	1.0	48	.4	127.9	137.3	1123	8.91	13.3	.3	23.2	.5	6	<.1	.1	.5	303	1.41	.022	13	139.2	7.13	78	.095	<1	5.86	.009	.70	.2	.01	22.3	.1	.58	22	10.8	<1	35
MBR-1	.3	80.0	3.4	39	<.1	26.4	20.1	71	5.30	4.0	1.3	.6	10.5	5	<.1	.7	.8	16	.03	.001	3	10.5	.51	47	.007	<1	1.32	.022	.11	.3	<.01	1.9	<.1	<.05	3	<.5	<1	3
BKR-1	.3	108.3	20.3	124	.1	40.4	23.5	748	3.28	3.4	.1	1.4	.4	40	<.1	.9	.1	73	1.68	.026	3	98.1	1.71	8	.179	2	1.75	.031	.03	.3	<.01	1.4	.2	<.05	6	<.5	<1	5
BKR-2	.2	482.5	62.9	257	.7	40.2	17.0	346	1.79	7.4	<.1	<.5	.1	32	1.0	.6	.5	42	2.00	.019	1	61.3	1.06	6	.112	1	1.34	.021	.01	.4	.04	1.7	<.1	.06	3	<.5	<1	4
BKR-3	.2	178.1	2.4	44	.3	17.6	24.2	537	3.68	5.6	<.1	19.4	.2	11	.1	.6	.1	87	.59	.063	1	1.8	.92	5	.139	1	1.63	.031	.01	.3	<.01	2.3	<.1	<.05	6	<.5	<1	13
BKR-4	.7	118.4	78.8	2241	.3	60.0	31.2	1453	7.23	8.5	<.1	.6	.3	25	8.8	.7	<.1	283	5.32	.032	1	225.8	5.38	19	.080	2	5.13	.003	.02	.1	.34	24.3	<.1	.25	15	.8	<1	8
STANDARD DS5/AU-R	13.1	143.6	25.8	137	.3	24.8	12.1	772	2.95	17.5	6.7	40.8	2.7	50	5.5	3.5	6.1	58	.75	.096	13	187.7	.66	138	.093	17	2.05	.033	.14	4.4	.15	3.6	1.0	<.05	6	4.5	<1	480

Sample type: ROCK R150 60C. Samples beginning 'RE' are Reruns and 'RRE' are Reject Reruns.

Data FA

SAMPLE#	Mo ppm	Cu ppm	Pb ppm	Zn ppm	Ag ppm	Ni ppm	Co ppm	Mn ppm	Fe %	As ppm	U ppm	Au ppb	Th ppm	Sr ppm	Cd ppm	Sb ppm	Bi ppm	V ppm
BKR-5	.5	424.1	13.0	108	.6	26.8	61.7	1007	11.16	2.7	.3	1.4	.7	3	.1	.6	.1	281
BKR-6	.9	166.8	25.7	831	.2	116.5	15.8	848	4.94	8.3	.2	<.5	.4	11	3.8	.2	.2	304
BKR-7	.6	248.7	22.9	98	.4	58.5	28.7	571	3.97	3.0	.1	8.7	.1	17	.2	.2	<.1	82
PFLUR-1	1.6	50.0	171.6	265	.3	28.4	35.8	2212	4.64	16.5	1.1	<.5	3.2	74	.8	.4	.8	7
PFLUR-2	.8	9393.5	42.6	48	5.6	62.2	69.6	123	5.25	1305.4	.3	140.7	1.2	3	.1	3.4	48.9	<1
PFLUR-3	.1	5004.7	276.8	14	1.5	9.4	8.2	17	1.02	62.7	.1	34.4	.2	<1	.1	7.6	904.1	<1
PFLUR-4	.7	16996.3	85.0	68	2.3	46.4	47.2	2951	7.87	53.6	.1	20.7	<.1	4	.1	4.8	313.8	<1
PFLUR-5	.2	4751.2	12.4	41	.5	18.6	31.8	>9999	28.94	35.2	.1	3.4	.1	5	.1	.8	13.4	1
PFLUR-6	.2	10954.2	18.4	49	1.4	37.1	52.5	>9999	27.23	32.0	<.1	5.9	.1	6	.1	1.5	47.0	1
RE PFLUR-6	.3	11318.2	19.1	52	1.5	36.1	51.2	>9999	28.08	31.8	<.1	10.8	.1	6	.1	1.6	46.0	2
PFLUR-7	.3	96.5	11.6	24	.1	.4	.8	2416	2.82	5.1	.2	<.5	<.1	81	.1	.9	1.3	2
PFLUR-8	1.5	3939.4	11.2	83	.6	31.1	23.0	2541	9.33	5.9	2.1	.9	2.2	138	.2	.5	1.1	23
STANDARD D	12.5	147.1	25.3	134	.3	24.6	12.6	754	2.92	17.6	6.3	41.3	2.9	49	5.6	3.6	6.6	59

SAMPLE#	Ca %	P %	La ppm	Cr ppm	Mg %	Ba ppm	Ti %	B ppm	Al %	Na %	K %	W ppm	Hg ppm	Sc ppm	Tl ppm	S %	Ga ppm	Se ppm	Te ppm	Au** ppb
BKR-5	.67	.128	5	<1	4.88	5	.312	2	5.04	.012	.02	.1	.01	7.9	.1	1.97	20	3.2	<1	2
BKR-6	4.36	.053	2	125.3	5.44	9	.012	2	4.96	.015	.14	.1	.09	21.9	.1	.44	14	1.8	<1	2
BKR-7	.84	.027	1	133.0	1.87	46	.145	4	2.24	.034	.03	.2	.01	3.7	<.1	<.05	5	<.5	<1	5
PFLUR-1	3.66	.011	4	15.3	2.10	11	.001	1	1.25	.009	.06	1.4	.03	1.9	<.1	.22	3	<.5	<1	<2
PFLUR-2	.03	.002	3	7.1	.02	9	<.001	1	.08	.008	.04	2.9	.14	.3	<.1	1.11	<1	2.2	<1	433
PFLUR-3	<.01	<.001	<1	<1	<.01	1	<.001	<1	.01	.001	<.01	.3	.04	<.1	<.1	.51	<1	3.2	<1	342
PFLUR-4	.07	<.001	<1	7.6	.50	5	<.001	2	.01	.012	<.01	3.4	.04	.8	<.1	1.87	<1	6.3	<1	25
PFLUR-5	.11	<.001	<1	<1	3.61	3	<.001	<1	.01	.011	<.01	.7	.01	7.0	<.1	.39	1	<.5	<1	6
PFLUR-6	.11	<.001	<1	1.4	3.49	5	<.001	<1	<.01	.013	<.01	.9	.02	4.6	<.1	.88	1	.9	<1	7
RE PFLUR-6	.11	<.001	<1	1.4	3.59	5	<.001	<1	<.01	.014	<.01	.8	.02	4.6	<.1	.86	1	1.2	<1	8
PFLUR-7	18.82	.002	2	<1	9.55	10	<.001	<1	<.01	.021	.01	.1	<.01	<.1	<.1	.17	<1	<.5	<1	<2
PFLUR-8	13.60	.012	1	7.4	5.95	14	.001	<1	.52	.015	.07	.5	.04	5.1	<.1	.52	1	<.5	<1	<2
STANDARD D	.72	.093	12	188.6	.66	143	.096	17	2.04	.036	.14	4.8	.16	3.9	1.1	<.05	7	5.0	<1	473

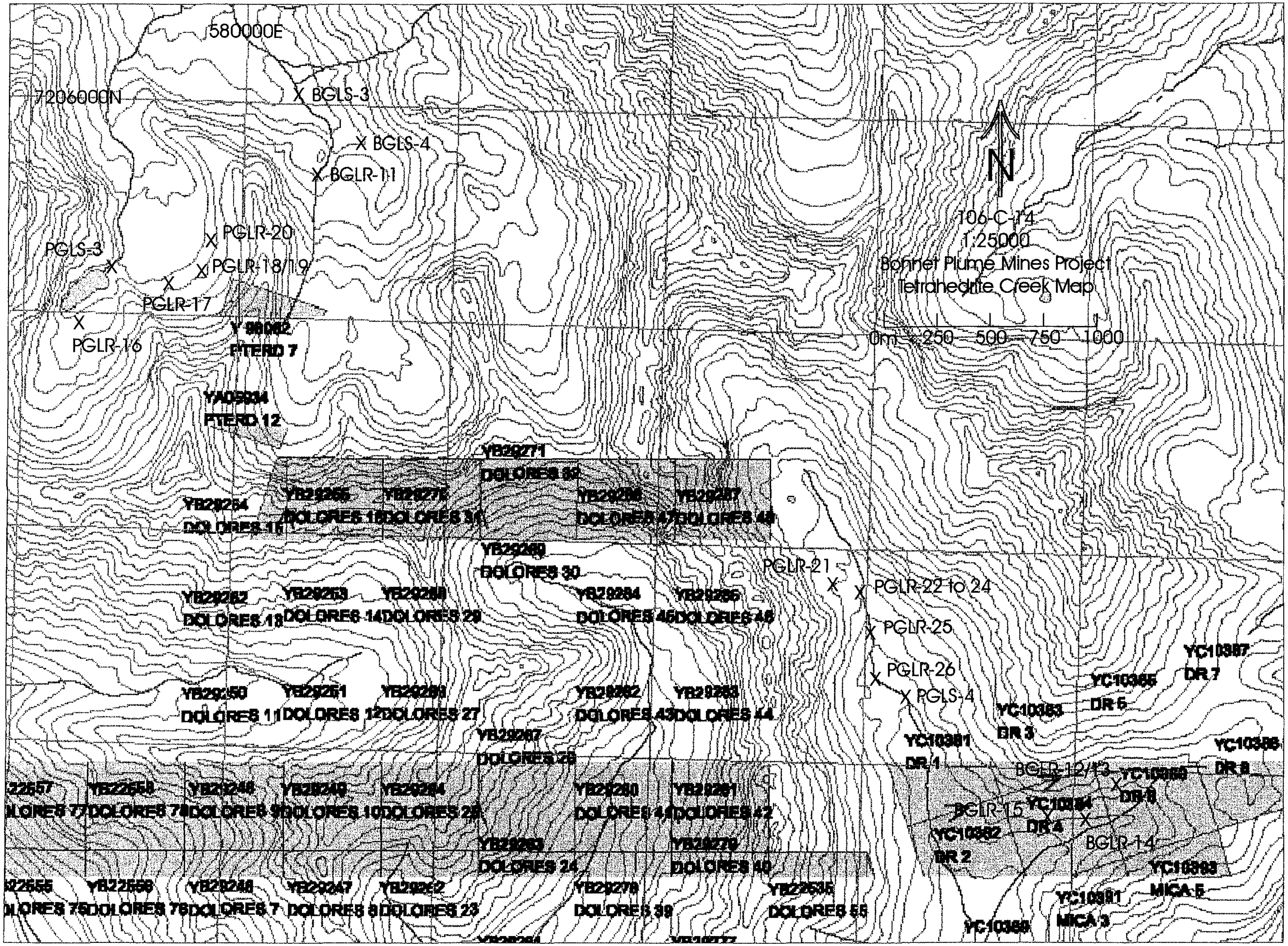
Standard is STANDARD DS5/AU-R. Samples beginning 'RE' are Reruns and 'RRE' are Reject Reruns.

Data FA ____

SAMPLE#	Mo ppm	Cu ppm	Pb ppm	Zn ppm	Ag ppm	Ni ppm	Co ppm	Mn ppm	Fe %	As ppm	U ppm	Au ppb	Th ppm	Sr ppm	Cd ppm	Sb ppm	Bi ppm	V ppm	Ca %	P %	La ppm	Cr ppm	Mg %	Ba ppm	Ti %	B ppm	Al %	Na %	K %	W ppm	Hg ppm	Sc ppm	Tl ppm	S %	Ga ppm	Se ppm	Te ppm
G-1	2.4	4.1	2.5	48	<.1	5.0	4.6	573	2.01	.5	1.9	.8	5.0	93	<.1	<.1	.14	44	.68	.076	9	18.3	.56	298	.147	2	1.22	.201	.68	4.5	<.01	4.3	.4	<.05	5	<.5	<1
PFLUS-5	2.7	100.8	188.6	137	.4	41.7	41.4	7012	6.04	27.8	1.6	2.3	5.9	23	.7	.8	.74	31	.32	.095	19	29.0	.99	134	.023	2	1.68	.007	.06	.1	.05	4.1	.1	<.05	5	.9	<1
PFLUS-6	2.9	69.3	105.8	217	.5	37.8	25.6	3210	3.81	21.7	.8	2.2	3.8	29	.8	2.4	.62	17	6.50	.082	9	6.0	3.35	74	.004	4	.28	.004	.06	.1	.06	2.6	.5	<.05	1	.9	<1
PFLUS-7	3.3	61.4	107.6	217	.5	39.1	24.0	3652	4.20	22.0	1.4	1.8	4.1	23	1.0	2.2	.46	15	4.54	.075	10	10.4	2.75	82	.004	3	.30	.003	.07	<.1	.05	3.2	.4	.08	1	.9	<1
PFLUS-8	1.7	199.4	25.6	67	.2	50.7	42.7	1466	4.59	33.9	4.0	2.4	16.2	10	.4	1.4	2.65	24	.16	.060	16	20.6	.38	96	.020	1	1.08	.008	.06	.1	.03	3.3	.1	<.05	3	.7	<1
PFLUS-9	1.4	161.6	19.1	68	.1	37.9	23.8	683	3.05	21.8	2.1	2.8	9.5	15	.4	.9	1.48	27	.22	.071	12	21.8	.41	120	.027	2	1.12	.002	.06	.1	.02	2.9	.1	<.05	3	.6	<1
PFLUS-10	1.6	107.6	22.5	78	.1	50.1	27.9	724	4.38	15.0	2.6	1.2	9.9	6	.2	.9	1.16	27	.07	.043	11	40.1	.58	52	.010	<1	1.56	.006	.05	.1	.03	3.3	.1	<.05	4	.7	<1
PFLUS-11	1.5	84.4	27.2	100	.3	41.4	26.4	911	4.17	17.0	1.7	2.6	5.5	12	.3	.8	.73	40	.15	.072	11	31.5	.52	276	.024	1	2.11	.007	.10	.1	.04	3.7	.1	<.05	5	.9	<1
PFLUS-12	16.3	55.1	48.0	67	.5	10.0	3.7	691	1.66	20.4	1.5	2.7	.5	56	.4	3.5	2.12	8	18.17	.025	3	6.7	13.16	80	.003	2	.17	.012	.01	.1	.01	1.1	.5	.08	<1	.5	<1
PFLUS-13	1.6	124.8	31.9	92	.3	46.0	33.7	2109	4.29	21.8	3.0	.7	11.8	6	.5	1.7	1.05	17	.10	.050	16	27.9	.66	91	.007	2	1.68	.005	.07	.1	.03	2.6	.1	<.05	4	.7	<1
PFLUS-14	4.2	132.2	90.7	132	.5	72.3	37.8	2436	5.57	44.9	3.1	4.0	7.7	10	.5	1.6	1.53	29	.22	.070	12	79.4	.69	95	.007	14	1.62	.006	.08	.1	.07	5.6	.1	<.05	4	.9	<1
PFLUS-15	1.5	135.4	62.7	119	.4	48.6	39.8	2588	4.30	51.0	3.1	4.6	7.6	9	.8	1.5	1.31	30	.13	.058	15	24.1	.54	125	.013	<1	1.30	.004	.07	.1	.06	5.7	.1	<.05	4	.9	<1
PFLUS-16	15.0	44.0	35.2	332	.4	65.9	12.5	714	2.21	12.4	5.4	<.5	4.2	101	3.0	2.9	.39	78	10.49	.087	10	14.9	2.61	129	.005	3	.54	.003	.14	.1	.08	2.8	.3	.07	2	1.1	<1
RE PFLUS-16	14.8	44.2	34.4	361	.4	63.2	12.6	738	2.17	13.1	5.4	<.5	4.1	99	2.9	2.8	.41	85	10.44	.086	10	16.1	2.75	132	.005	1	.58	.004	.13	.1	.08	2.5	.3	.08	1	1.4	<1
PKS-1	12.7	180.8	79.2	423	.5	93.1	33.9	1364	4.96	57.4	3.3	3.1	4.9	9	2.5	3.7	1.19	74	.82	.081	13	43.6	1.89	95	.024	3	1.65	.006	.06	.2	.07	7.1	.1	<.05	5	2.4	<1
PKS-2	12.4	200.1	101.4	495	.6	112.2	38.0	1819	5.33	62.5	3.9	5.8	4.7	8	3.7	4.0	1.15	82	.46	.075	15	47.5	1.98	117	.027	1	1.86	.005	.06	.2	.08	8.4	.2	<.05	6	1.8	<1
PKS-3	18.4	237.7	157.5	793	.7	150.8	45.2	2451	6.32	90.5	5.2	4.1	6.1	9	6.3	5.5	1.64	69	.44	.099	18	50.1	1.78	145	.022	3	1.77	.007	.08	.2	.10	7.5	.3	<.05	5	2.7	<1
PKS-4	9.7	227.9	251.7	1103	.8	134.0	43.0	1770	5.41	71.9	4.5	3.9	4.9	7	6.7	4.5	.99	103	.43	.079	17	48.9	2.11	104	.040	5	2.03	.005	.08	.2	.09	6.8	.2	<.05	6	1.1	<1
PKS-5	16.0	259.4	289.4	1393	.9	180.7	52.1	1875	5.67	93.5	6.4	5.8	5.1	7	8.4	6.4	1.05	108	.59	.083	16	40.8	2.10	104	.045	3	1.92	.004	.06	.2	.11	6.0	.3	<.05	6	2.0	<1
BKS-1	10.3	151.3	124.8	433	.4	101.3	53.8	3567	5.76	62.6	3.1	1.6	7.3	8	4.0	4.1	1.64	47	.25	.058	28	27.6	1.49	105	.009	2	1.95	.003	.11	.1	.09	4.9	.2	.13	6	1.7	<1
BKS-2	3.0	239.4	1097.1	2592	2.7	61.4	44.8	4494	6.12	63.1	2.2	4.3	4.7	10	11.9	8.9	1.41	62	1.94	.073	15	25.1	1.96	280	.020	4	1.11	.006	.06	.1	.18	6.8	.2	<.05	4	.9	<1
BKS-3	18.4	363.3	221.6	1971	1.1	244.4	77.8	1700	6.75	139.6	14.6	5.0	6.1	11	12.3	6.1	1.07	110	.37	.112	34	44.1	2.33	75	.030	5	2.76	.007	.11	.2	.18	7.0	.4	<.05	7	3.6	<1
BKS-4	6.3	266.0	1081.1	2324	1.0	122.7	58.3	2763	6.80	80.6	2.5	2.4	4.7	8	14.1	3.6	3.25	126	.84	.078	19	45.1	2.04	103	.013	5	2.02	.003	.08	.1	.11	14.4	.2	<.05	7	1.3	<1
PB2S-1	2.5	185.4	11.4	64	.1	50.9	45.2	1663	4.47	9.8	4.4	5.3	6.2	23	.3	1.0	.43	77	.42	.114	18	35.8	2.33	955	.024	1	2.30	.006	.10	.2	.18	7.3	.2	<.05	7	.9	<1
PB2S-2	5.3	186.2	257.4	360	.7	156.4	215.3	4715	6.21	55.8	5.5	3.2	30.1	15	1.7	3.7	3.14	28	.08	.118	46	35.3	.88	243	.014	2	2.54	.028	.08	.1	.09	4.0	.3	.07	5	2.0	<1
PGLS-1	12.5	481.9	20.1	79	.2	113.1	162.1	4662	8.32	89.2	13.8	7.7	34.4	12	.1	1.8	3.66	51	.27	.089	19	19.5	.66	254	.006	2	1.22	.021	.10	.1	.04	14.5	.1	<.05	4	1.1	<1
PGLS-2	4.0	343.7	31.3	94	.2	57.2	54.9	1774	5.24	57.8	9.7	3.2	18.5	17	.3	1.5	1.56	33	.35	.086	15	18.9	.49	174	.021	2	1.20	.013	.09	.1	.05	5.6	.1	<.05	3	.9	<1
PGLS-3	2.3	181.7	20.6	55	.1	52.7	100.1	5031	4.39	47.9	5.9	1.7	29.6	9	.5	1.4	1.82	16	.08	.058	14	20.3	.41	76	.006	2	1.47	.009	.11	<.1	.04	3.0	.2	<.05	4	.7	<1
PGLS-4	4.0	262.6	12.7	52	.3	38.8	35.9	3838	4.72	67.1	24.1	21.3	18.7	9	.2	1.7	1.60	35	.38	.087	31	21.4	1.35	1056	.010	5	1.50	.004	.19	.2	.18	12.8	.1	<.05	6	1.2	<1
BGLS-1	6.9	239.8	20.0	42	.2	103.1	105.3	6411	5.40	80.1	9.6	3.8	20.5	5	.3	1.5	4.32	15	.19	.056	11	10.5	.21	170	.003	1	.65	.006	.05	<.1	.04	4.9	.5	<.05	2	.7	<1
BGLS-2	9.7	367.0	23.8	90	.3	162.3	123.0	7243	8.68	147.9	18.8	5.1	27.7	9	.3	1.9	10.46	29	.39	.072	13	13.9	.42	209	.004	1	1.11	.009	.09	.1	.06	6.9	.4	.10	3	1.1	<1
BGLS-3	15.1	292.2	15.8	35	.7	55.5	66.1	4715	6.18	104.4	34.8	4.5	13.9	10	.1	1.8	3.40	13	.56	.074	14	12.4	.47	530	.004	2	.81	.006	.08	.1	.20	4.5	1.7	<.05	2	.8	<1
BGLS-4	12.7	312.1	8.0	36	.3	64.3	68.1	2939	5.20	106.6	25.7	3.0	14.3	10	<.1	1.7	2.25	9	.68	.068	11	10.3	.53	399	.003	1	.87	.007	.06	.1	.19	3.6	.2	.11	2	.7	<1
STANDARD DS5	13.0	142.6	23.8	133	.3	24.5	11.7	784	2.92	18.4	5.8	40.8	2.8	46	5.8	3.5	6.02	60	.76	.092	12	190.7	.64	143	.093	24	2.13	.032	.15	4.9	.18	3.4	1.1	<.05	7	4.9	<1

Sample type: SILT SS80 60C. Samples beginning 'RE' are Reruns and 'RRE' are Reject Reruns.

Data FA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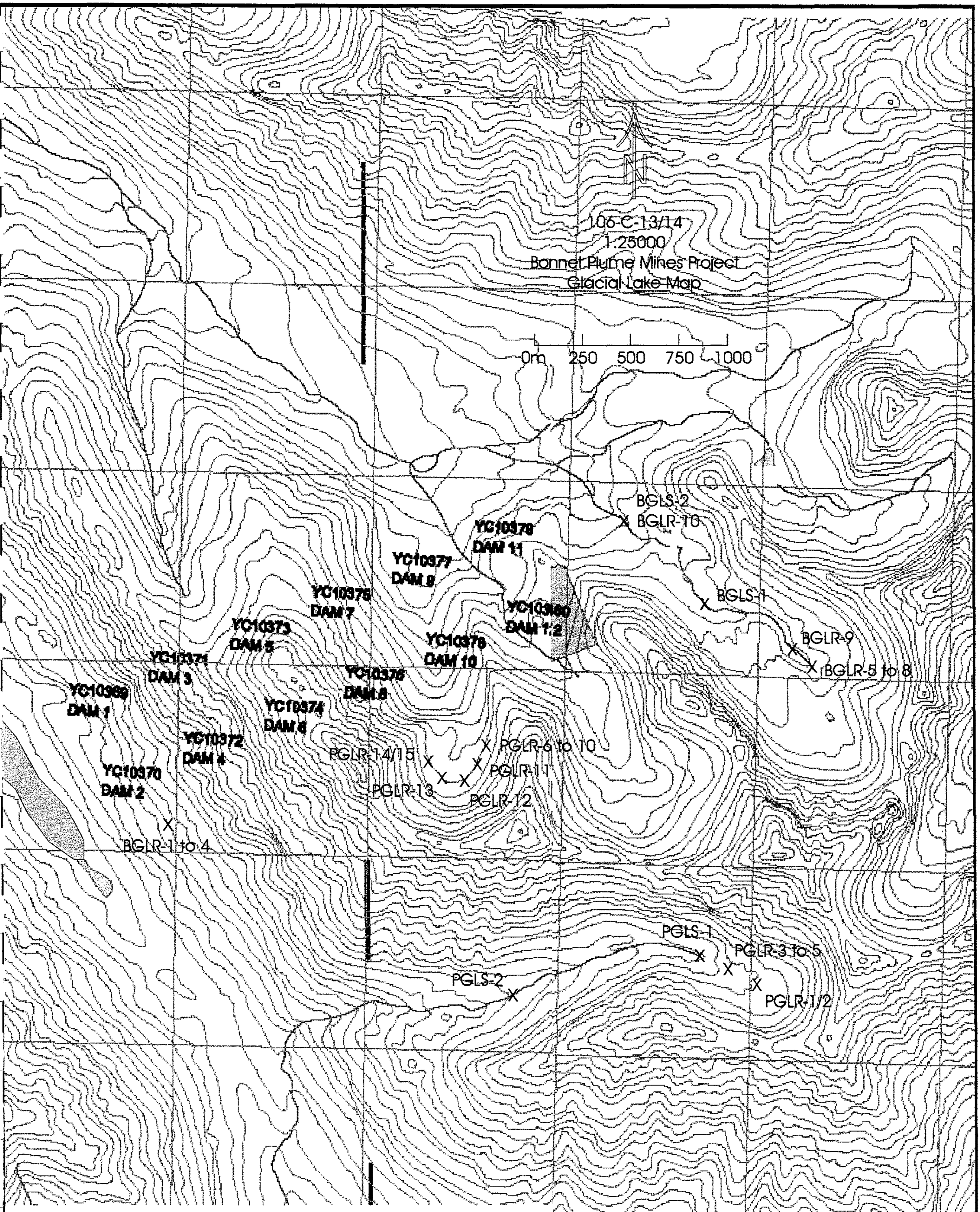
PTERD 12
DOLORES 30
PGLR-21
PGLR-22 to 24
PGLR-25
PGLR-26
PGLS-4
DR 1
DR 2
DR 3
DR 4
DR 5
DR 7
BGLR-12/13
BGLR-15
BGLR-14
MICA 5
MICA 3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106-C-13/14
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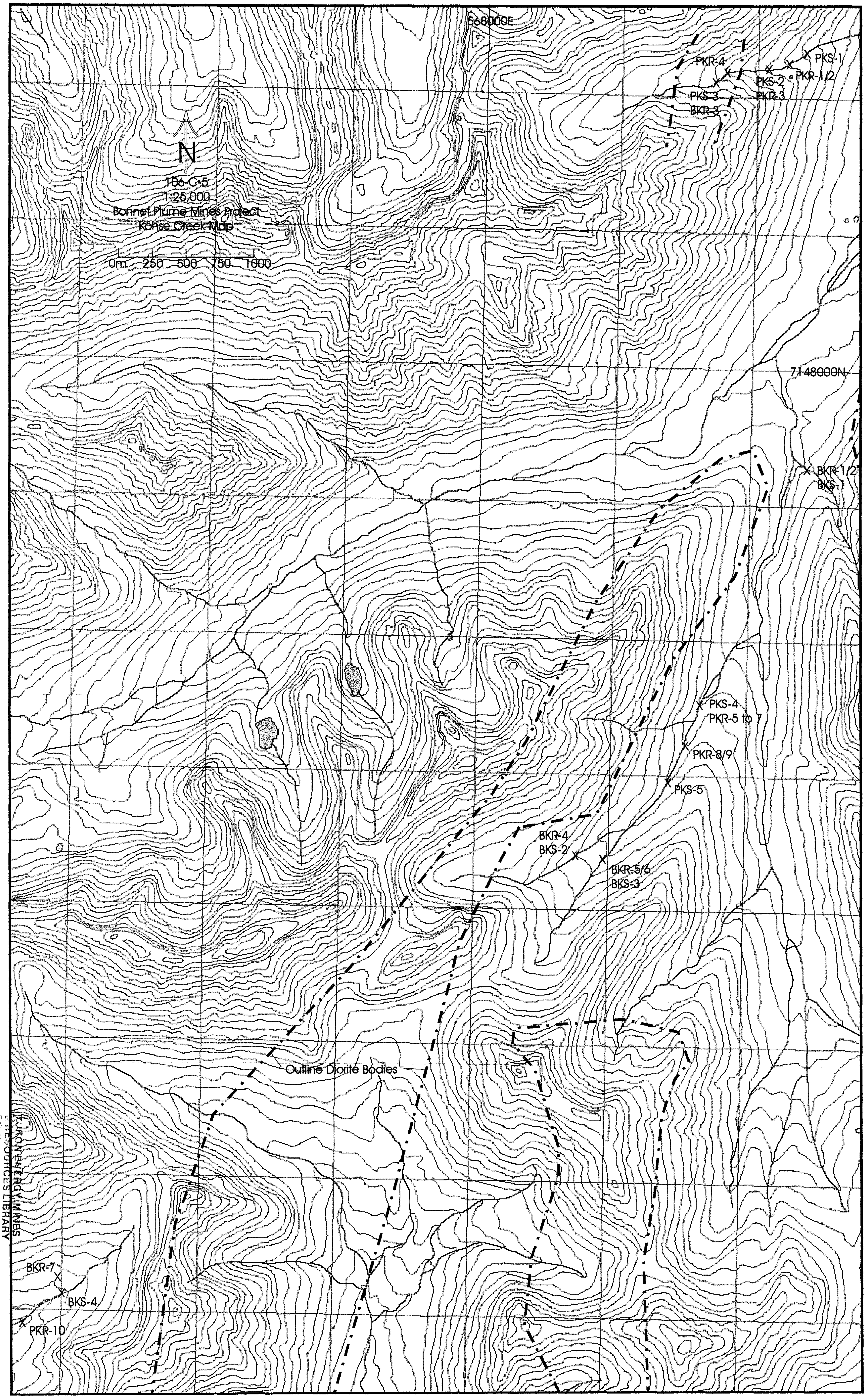
Bonnet Plume Mines Project
Glacial Lake Map
0m 250 500 750 1000
BGLS-2
BGLR-10
YC10379
DAM 11
YC10377
DAM 9
YC10375
DAM 7
YC10380
DAM 12
BGLS-1
YC10373
DAM 5
YC10378
DAM 10
BGLR-9
YC10371
DAM 3
BGLR-5 to 8
YC10376
DAM 8
YC10369
DAM 1
YC10374
DAM 6
YC10372
DAM 4
PGLR-6 to 10
PGLR-14/15
PGLR-11
YC10370
DAM 2
PGLR-13
PGLR-12
BGLR-1 to 4
PGLS-1
PGLR-3 to 5
PGLS-2
PGLR-1/2


568000E
N
106-C-5
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Bonnet Plume Mines Project
Kohse Creek Map
0m 250 500 750 1000
7148000N
PKS-1
PKR-4
PKS-2
PKR-1/2
PKS-3
PKR-3
BKR-3
BKR-1/2
BKS-1
PKS-4
PKR-5 to 7
PKR-8/9
PKS-5
BKR-4
BKS-2
BKR-5/6
BKS-3
Outline Diorite Bodies
BKR-7
BKS-4
PKR-10