BRITISH COLUMBIA

PROSPECTORS ASSISTANCE PROGRAM

MINISTRY OF ENERGY AND MINES

GEOLOGICAL SURVEY BRANCH

PROGRAM YEAR:	1999/2000
REPORT #:	PAP 99-26
NAME:	WARNER GRUENWALD

BRITISH COLUMBIA
PROSPECTORS ASSISTANCE PROGRAM
PROSPECTING REPORT FORM (continued)

B. TECHNICAL REPORT

- One technical report to be completed for each project area.
- **Refer to Program Requirements/Regulations 15 to 17, page 6.**
- If work was performed on claims a copy of the applicable assessment report may be submitted in lieu of the supporting data (see section 16) required with this TECHNICAL REPORT.

Name WARNER GRUENWALD Reference Number 99/2000 P53

LOCATION/COMMODITIES

Project Area (as listed in Part A) Perry River Project MINFILE No. if applicable —

Location of Project Area NTS 082 M/07, M/02 Lat 51°10' N (Centre of Proj.) Long 118°45' W

Description of Location and Access Centre of project area is located approx. 45 km northwest of Revelstoke, B.C. Access to the project area is via two major logging roads that join the Trans Canada Highway. One road (Gorge Creek) is just east of Emms mill near Malakwa. Other road along Perry River accesses east portion of project area.

Main Commodities Searched For Gold + rare earth elements

Known Mineral Occurrences in Project Area Three occurrences documented. These are Minfile #082M 199 (Ren), #082M 256 (Ratchford Creek) & #082M 027 (Rip)

WORK PERFORMED

1. Conventional Prospecting (area) 30-40 km²
2. Geological Mapping (hectares/scale)
3. Geochemical (type and no. of samples) Silt = 59; Panned Concentrates = 57; Rocks = 27, Soils = 26
4. Geophysical (type and line km) Nil
5. Physical Work (type and amount) Nil
6. Drilling (no. holes, size, depth in m, total m) Nil
7. Other (specify)

SIGNIFICANT RESULTS

Commodities Au, Bi, W Claim Name GQ

Location (show on map) Lat. 51°08' (Centre) Long 118°47' (centre) Elevation 1370 - 1740 metres

Best assay/sample type A sample from one of 5 new showings on Second Creek contained 1580 ppb Au, 225 ppm Bi, 11.2 ppm Te and 33.6 ppm W.

Description of mineralization, host rocks, anomalies In the southwestern portion of the project area, near the headwaters of Second Creek five new showings were discovered. The showings contain anomalous amounts of Au, Bi, Cu, Te and W. Mineralization occurs in narrow quartz-sulphide zones hosted by rocks of the Shuswap Metamorphic Complex. These include paragneiss, orthogneiss, quartz-mica schist and minor calc-silicate, marble and amphibolite. Pegmatite intrudes these rocks as does a large granitic body west of the showings. Several stream anomalies were outlined during the program the strongest of which occurs NE of Second Creek occurrences. This silt sample contained 220 ppb Au, 15.4 ppm Bi, 4.65 ppm Te, and 22.6 ppm W. Two drainages reported anomalous niobium-tantalum.

Supporting data must be submitted with this TECHNICAL REPORT

Information on this form is confidential for one year from the date of receipt subject to the provisions of the *Freedom of Information Act*.

BRITISH COLUMBIA PROSPECTOR'S ASSISTANCE PROGRAM
1999

PERRY RIVER PROJECT

NTS MAPS: 082M02/07

W. Gruenwald, P. Geo.
January 19, 2000

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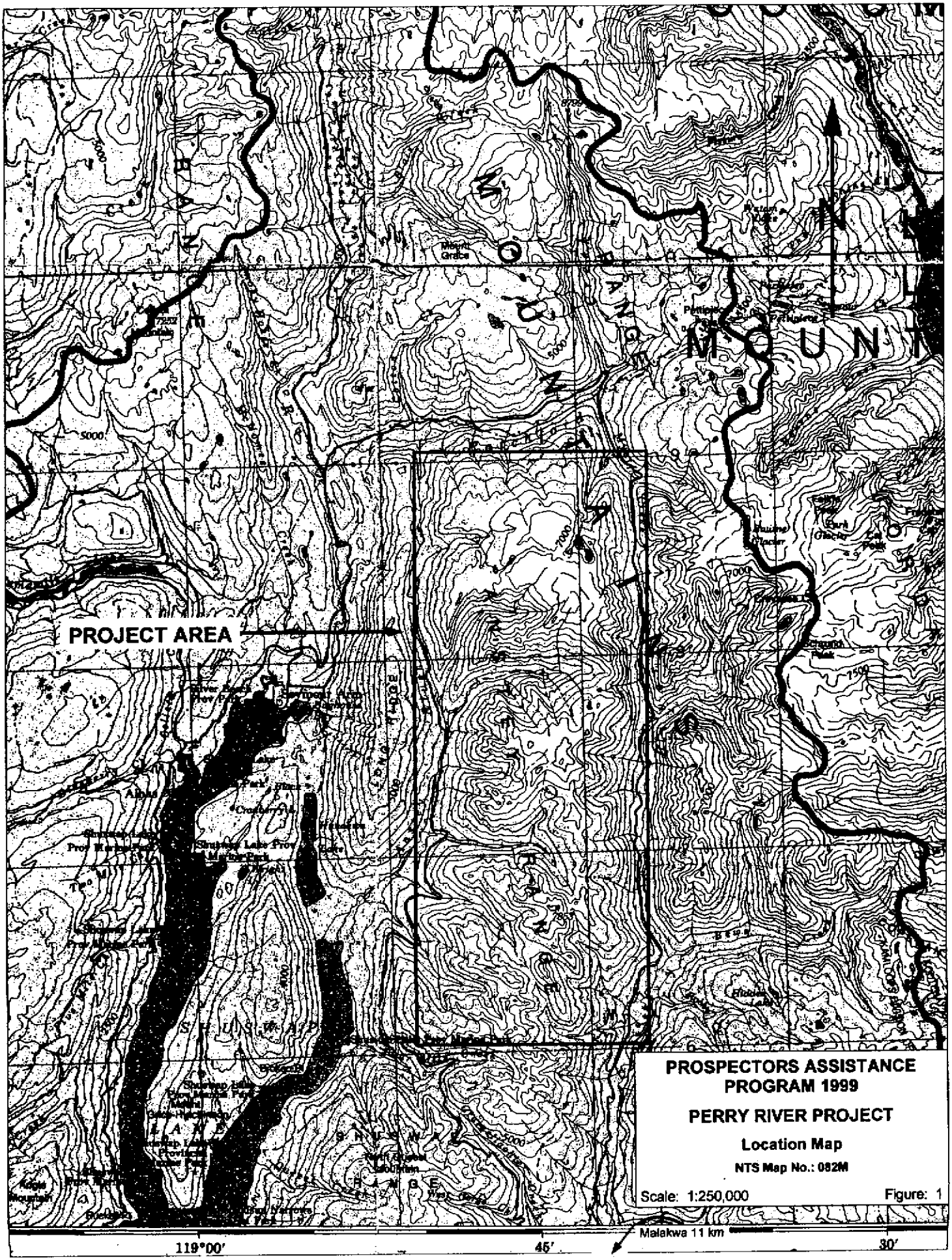


PROSPECTORS ASSISTANCE PROGRAM 1999

PERRY RIVER PROJECT

Location Map

NTS Map No.: 082M

Scale: 1:250,000 Figure: 1

INTRODUCTION

General Statement:

During the summer and fall of 1999, the writer and assistant Elaine Gruenwald conducted a prospecting and geochemical sampling program in the Perry River area of southern British Columbia. An area of approximately 300 km^2 was explored. The primary objectives or targets of the program were intrusion related gold and rare earth mineralization. Given the geologic diversity and increased accessibility provided by recent logging activity, the Perry River project was considered to have good exploration potential. The analytical data, a review of geological literature and regional geochemical survey data and discussions with Mike Cathro of the Geological Survey Branch provide the basis for this report.

Location and Access:

The Perry River project is centered approximately 45 kilometres northwest of Revelstoke, B.C. Project boundaries are the Anstey River to the west, Perry River and Myoff Creeks to the east, Ratchford Creek to the north and Four Mike Creek to the south (Figure 1).

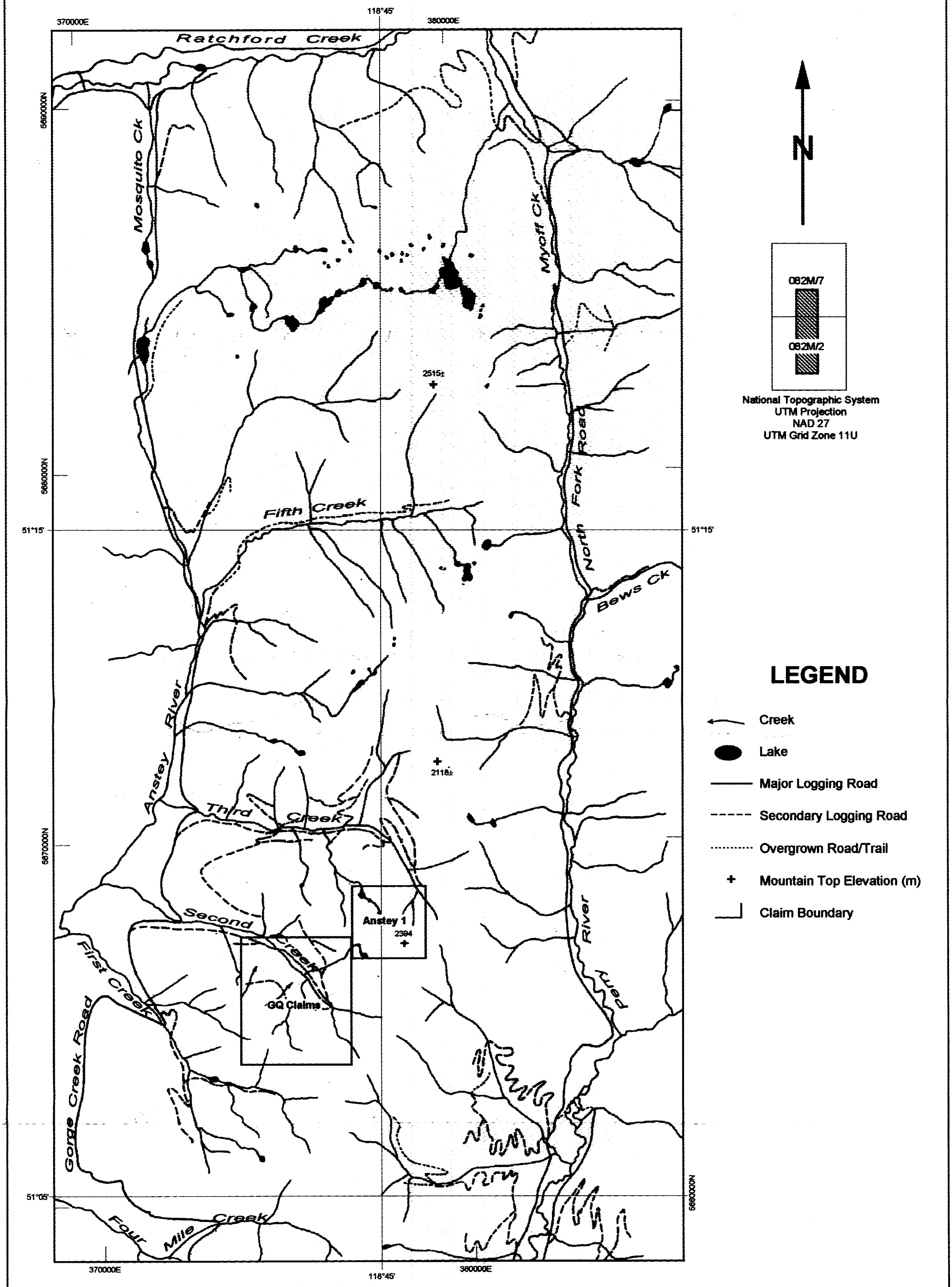
Access to the project area is via the Trans Canada Highway between Sicamous and Revelstoke. Major logging roads along the Perry River (North Fork Road) and Craigallachie Creek/Anstey River (Gorge Creek Road) provide access to the east and west regions of the project area. Recently constructed logging roads along major tributaries such as First, Second and Third Creeks have greatly enhanced access into key exploration areas. The Gorge Creek Road is kept open into or throughout the winter as it is a primary timber supply link to the Evans Forest Products mill at Malakwa, B.C.

Physiography:

The Perry River project is situated in rugged terrain of the Anstey Range along the west flank of the Monashee Mountains. Glaciation has been extensive resulting in deeply incised drainages. One remnant 4 to 5 km^2 area alpine glacier occurs southwest of the Perry River headwaters. The height of land that separates drainages flowing to the Anstey and Perry River systems trends northerly through much of the project area. Ultimately, all drainages enter the Shuswap Lake system which represents the headwaters of the Thompson River. Topographic elevations in the project area range from 600 metres (2000 ft) along the lower Perry River to 2515 metres (8250 ft) at the aforementioned alpine glacier. Figure 2 identifies the major drainages of the project area.

Climate and Vegetation:

The Monashee Mountain Range is characterized by temperate climate and moderately high annual precipitation. Winter snow packs of 3 to 5 metres are not uncommon at the higher elevations. The ample water supply supports a wide variety of coniferous and deciduous vegetation. Commercial stands of cedar, hemlock, fir and pine are found, usually below elevations of 1500 metres (5000 ft). At higher elevations, spruce and balsam predominate. Alpine areas are typically found above 1800 metres.



PROSPECTORS ASSISTANCE PROGRAM - 1999

PERRY RIVER PROJECT

Project Area Map

NTS Map No.: 082M/02,07
Scale: 1:100,000

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GEOSCIENTIST

Figure: 2

Claims:

At the commencement of the program there were no mineral claims in good standing in the project area. Discoveries made during the summer prompted the staking of several claims near the headwaters of Second and Third Creeks. Details of the claims are as follows:

Claim Name	Tag No.	Record No.	No of Units	Expiry Date
GQ 1	215784	372096	20	Sep 23, 2000
GQ 2	215785	372097	15	Sep 22, 2000
GQ 3	684891	372098	1	Sep 21, 2000
GQ 4	689316	372099	1	Sep 21, 2000
GQ 5	689317	372100	1	Sep 22, 2000
GQ 6	684893	372101	1	Sep 23, 2000
GQ 7	684894	372102	1	Sep 23, 2000
GQ 8	684895	372103	1	Sep 23, 2000
GQ 9	684892	372143	1	Sep 21, 2000
Anstey 1	25883	372439	16	Oct 06, 2000

All claims are situated in the Kamloops Mining Division and are 100% owned by the writer.

History:

Exploration work is documented primarily in the northern portion of the proposed project area. Two carbonatite occurrences known as the Ren (Ce, La, Nb and Nd) were explored in 1983 and 1987 by Duval Exploration and Teck Exploration respectively. The most extensive work was conducted by Teck Exploration (assessment report #17182) where detailed soil, silt and rock sampling, as well as magnetic and radiometric surveys were completed. A total of 745 metres of trenching was also done. Although the mineralization was considered to be too low grade, there were recommendations to follow-up highly anomalous lanthanum values in a creek three kilometres to the southeast.

During August 1994, a Prospector's Assistance Grant was awarded to Mr. Terry Turner. The exploration target was stratabound lead-zinc mineralization similar to the Cottonbelt deposit on Mt. Grace north of Ratchford Creek. The work conducted by Mr. Turner straddled Ratchford Creek and covered the Ren carbonatite showing. A small lead-zinc mineralized zone was discovered along Ratchford Creek, but was not considered of economic interest. Mr. Turner recommended that "future exploration should be concentrated south of the project area".

Exploration Program:

The exploration program consisted of stream sampling, along with prospecting and rock sampling. Several commodities and deposit types were targeted. The first was intrusion related gold. Recent activity in Alaska (i.e. Pogo deposit et al) has focussed attention toward a previously unrecognized, but highly significant, style of mineralization associated with Cretaceous intrusions within metamorphic terrain. A second target was rare earth mineralization associated with carbonatites (Ren occurrences) situated in the northern portion of the project area. These rock units were believed to extend considerably further south.

GENERAL GEOLOGY

The Perry River project is situated within metamorphic, plutonic and sedimentary rocks of the Omineca Belt. The metamorphic, structural and intrusive history of these rocks is complex and spans a geologic time frame from Paleozoic to Eocene.

The Omineca Belt in southern British Columbia comprises metasedimentary rocks of the Windemere and Purcell Supergroups as well as Kootenay Terrane. Also present are metamorphic core complexes, the two most local being the Shuswap and Monashee complexes (Figure 3).

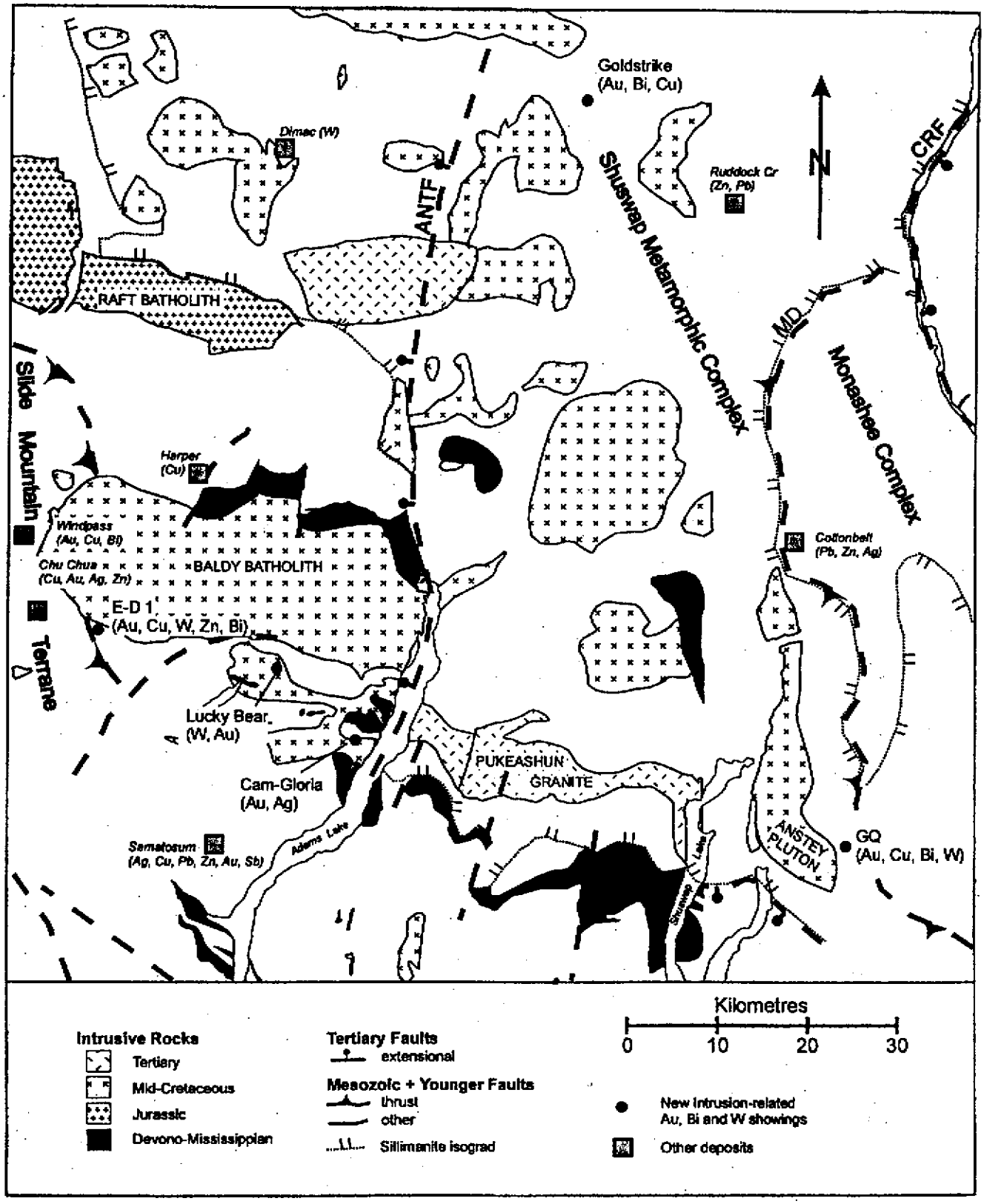
Two major structural features in the region are the Adams-North Thompson fault and the *Monashee Décollement*. The *Monashee Décollement* is described as a zone up to one km thick that represents a major west dipping contractional (thrust) structure. The footwall terrane known as the Monashee Complex is the deepest exposed structural level of the southern Omineca belt (Figure 4). The complex consists of an Early Proterozoic paragneiss core (Frenchman's Cap dome). These rocks were intruded by 2000 Ma granitoid plutons. Unconformably overlying the core rocks are stratified metamorphic rocks that include a basal quartzite conglomerate which in turn is covered by a thick succession of pelitic, psammitic and calc-silicate gneiss (2000 to 770 Ma). The metamorphism of the cover rocks is regarded to have occurred from Middle Jurassic to Paleocene.

The hangingwall of the *Monashee Décollement* are rocks of the Shuswap Metamorphic Complex (Selkirk Allochthon). This complex comprises a thick sequence of Late Proterozoic Windemere, Purcell and Kootenay terrane. It includes rocks of sedimentary, plutonic and volcanic origin predominantly within the sillimanite isograd. Lithologies include paragneiss, orthogneiss, quartz-mica schist and lesser amounts of marble, calc-silicate, and amphibolite. Abundant granitoid intrusions occur within the Shuswap Metamorphic Complex ranging from Devono-Mississippian to Eocene in age (Figure 3). These rocks are thought to have formed during accretion and subduction of allochthonous oceanic terranes (Brandon and Smith, 1994). One such intrusion referred to as the Anstey pluton. forms a sheared metamorphosed elongate body situated along the western region of the project area. Radiometric dating indicates a 92 to 94 Ma (mid Cretaceous) age.

LOCAL GEOLOGY

During the course of the project , numerous outcroppings and float occurrences were examined and documented. Logging roads, clearcuts and ridge tops often provided excellent bedrock exposures. Overburden thickness beyond the valley bottoms is quite thin. Considerably thicker accumulations of fluvio-glacial tills and gravels occur along the Perry and Anstey River valleys and to a lesser extent along the valley floors of the larger tributaries.

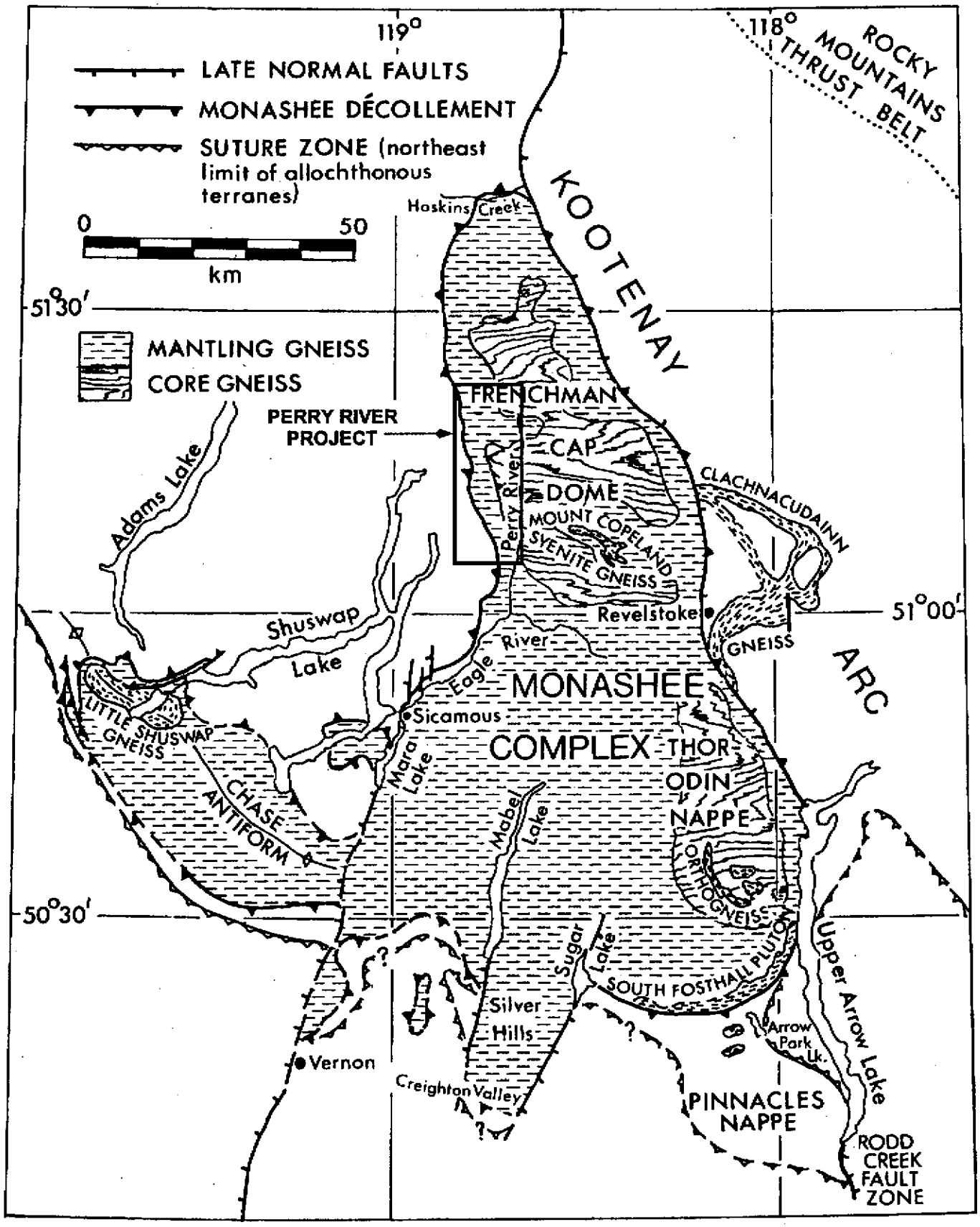
The lithologies observed were quite diverse with several metamorphic and intrusive rock types present. Mapping by various authors indicates that the *Monashee Décollement* trends northerly through the western portion of the project



Generalized geology of the Shuswap metamorphic complex and adjacent areas (modified after Wheeler and McFeely, 1991) showing locations of new intrusion-related gold prospects and granitoid intrusions. Adams-North Thompson fault (ANTF), Monashee decollement and Columbia River fault are after Parrish *et al.* (1988) and Johnson (1994). Sillimanite isograd is after Read *et al.* (1991)

After British Columbia Geological Survey (1999)

Figure: 3



Regional Geology - Monashee Complex

(after Okulitch—Canadian Journal of Earth Science, 1984

Figure: 4

area (Figures 3, 4). As this was a prospecting and sampling program, detailed geological mapping was not conducted. The observed lithologies displayed on Figure 5 and summarized below.

Metamorphic Rocks:

Schist

- grey to red-brown, quartz-biotite ± muscovite ± garnet schist.
- well foliated and platy, to locally very contorted, folded, crumbly and weathered.

Gneiss

- white to grey, medium to coarse-grained, mottled biotite ± garnet gneiss.
- granitic gneiss not uncommon
- local boudinage structures, quartz ± feldspar "sweats".

Quartzite

- grey-green to purplish, fine-grained, often micaceous and platy impure quartzite.
- more commonly observed in Perry River drainage and height of land.

Marble

- white to grey-green, medium to coarse-grained bands <0.5 to 3.0 metres thick.
- intercalated with schist and gneiss.
- scattered throughout project area.
- locally contains flakes of graphite.

Calc-Silicate

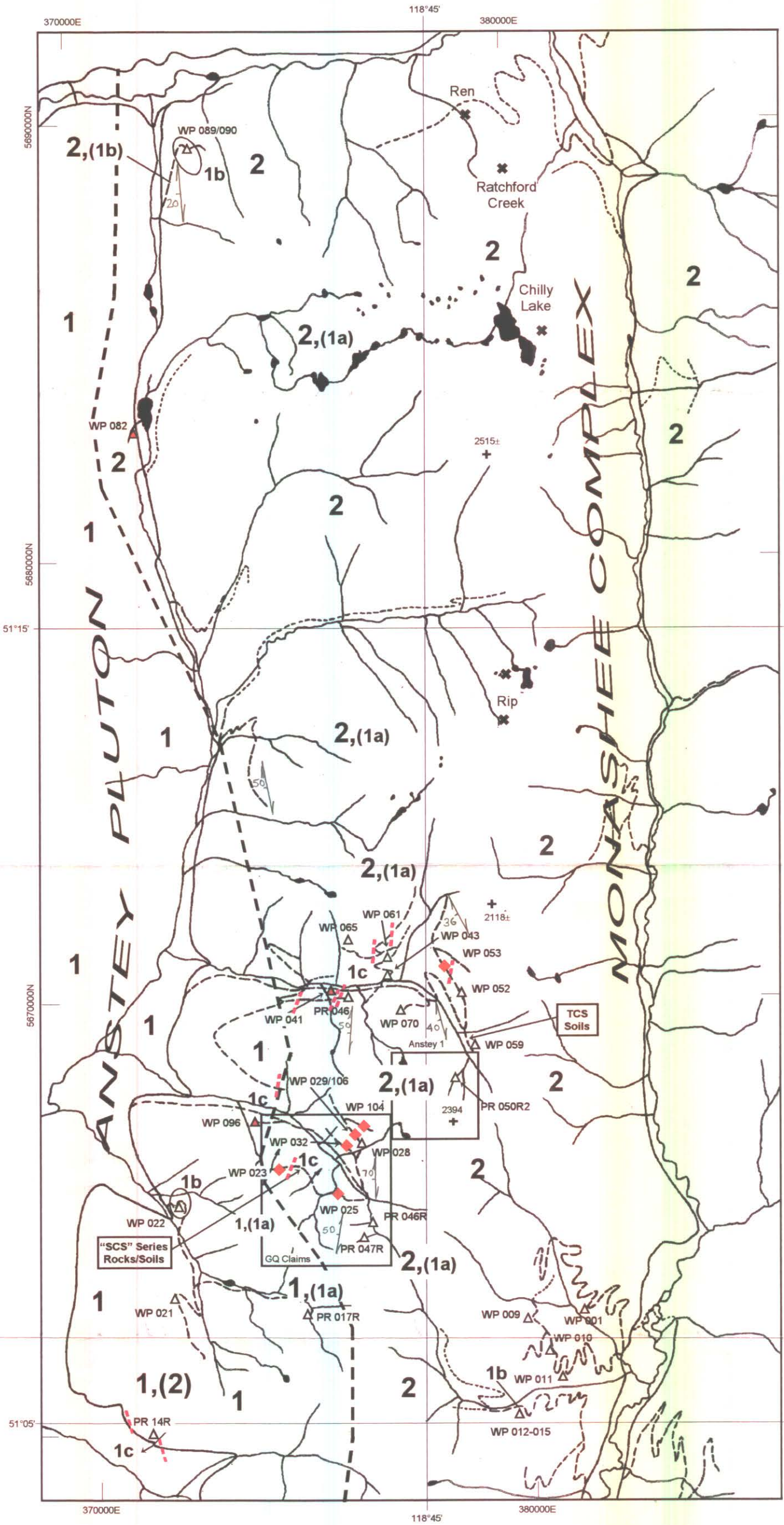
- varicoloured, fine to medium-grained bands usually within schist and gneiss.
- likely represents thermally altered marbles or calcareous quartzites.

Amphibolite

- dark green to black, medium to coarse-grained bands up to several metres thick within schist or gneiss.
- locally garnetiferous.
- probably represents metamorphosed mafic rich beds in original sedimentary sequence.

Carbonatite

- white to grey, medium to coarse-grained granular rock noted as beds to 1-2 metres thick.
- disseminated apatite, amphibole/pyroxene and trace black metallics(?).
- seen along road cut near headwaters of Third Creek (PR 053BR).



LEGEND

- Creek
- Lake
- Major Logging Road
- Secondary Logging Road
- Overgrown Road/Trail
- Mountain Top Elevation (m)
- Claim Boundary
- Minfile Occurrence
- New Mineral Occurrence
- Rock Sample Location. Solid Colour indicates anomalous element(s)

LITHOLOGIES

2 Metamorphic Rocks
Schist, gneiss, amphibolite
2a - marble, calc-silicate
2b - carbonatite

1 Intrusive Rocks
Granitic Rocks (Anstey Pluton)
1a - pegmatite dykes and sills
1b - other intrusives (syenite, feldspar porphyry)
1c - mafic dykes

- 50 Metamorphic Fabric
- Geologic Contact (approx.)

PROSPECTORS ASSISTANCE PROGRAM - 1999

PERRY RIVER PROJECT

Geology
Mineral Occurrences and Rock Sample Locations

NTS Map No.: 082M/02,07
Scale: 1:100,000

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99-26 Pg. 18

Figure: 5

Intrusive Rocks:

Granitoid Rocks (Anstey Pluton)

- white to grey, medium to coarse-grained intrusives usually with biotite as chief mafic mineral.
- quartz usually >10%, occasionally garnetiferous.
- most commonly observed from southwest region and along western portion of project area.

Pegmatite

- white to pale grey, coarse-grained rock comprised of white Kspar, quartz and minor but coarse flakes of biotite and occasional muscovite/sericite.
- range from one cm to several tens of metres wide.
- occur as dykes and sills throughout the project area.
- tourmaline observed in Second Creek area with greatest concentration in southwest and western areas.
- origin likely both metamorphic (anatectic) and as late stage emanations from granitoid bodies.

Other Intrusives

- syenitic variation or separate intrusive along lower First Creek may represent alkalic phase.
- grey, fine-grained feldspar porphyry, in extreme northwest corner of project area may represent distinct intrusive plug.
- strongly magnetic, suspect copper mineralization.

Mafic Dykes

- dark green to brown, fine-grained, basaltic(?) rocks that cut all lithologies.
- range from <1 metre to 7 metres wide and occasionally occur in clusters.
- most often strike north to north-northeast and dip steeply.
- most common in Second and Third Creeks however extent is wider as evidenced by minor float in many creeks especially in western project area.

Structure:

Numerous attitudes were measured, primarily focussing on schistosity, intrusive contacts and mineralized zones. Although quite variable, the metamorphic fabric of the schists and gneisses generally strikes from 320° to 015° and dips from 25° to 55° westerly.

Faulting and shearing were occasionally observed. Slickensides occur in pegmatite along Second Creek (WP 028) and in another area of the valley, clay gouge zones were observed in decomposing granite. The mafic dykes are suspected to have been emplaced along recent, near vertical, and north trending faults.

Alteration:

By far the most common form of alteration observed was limonite staining. Weathering of the ubiquitous and finely disseminated pyrrhotite in schist and gneiss often discolours many of these rocks. Pegmatitic rocks were occasionally limonitic whereas the granitoid bodies seldom display any significant limonite staining. On occasion, sericitic alteration was observed in some pegmatites and granitic dykes.

Mineralization:

According to Minfile records, there are four mineral occurrences indicated in the project area (Figure 5). Situated just south of Ratchford Creek are two mineral occurrences known collectively as the Ren (Minfile #082M199). Rare earth (Ce, La, Nb, Nd) and base metal mineralization (Cu, Zn, Mo) is associated with north-northwest trending, concordant carbonatite intrusions (sills) and tuffs. One such unit extends for 2.5 kilometres and attains a width of up to 200 metres. The average grade of the trenching was reportedly 0.13% Nb_2O_5. High lanthanum values were reported from a creek three kilometres to the southwest and were recommended for follow-up. Mapping by Journeay (1983) indicates that the Ren carbonatite layer extends to this creek and beyond, suggesting a potential source for the high lanthanum values.

Situated approximately 1.5 km southeast of the Ren is the Ratchford Creek Occurrence (Minfile 082M256) where kyanite and sillimanite are described as crystals in schist and gneiss. Four kilometres further south is the Chilly Lake occurrence (Minfile 082M198) where several centimetre porphyroblasts of kyanite are found in quartz-mica schist.

The final mineral occurrence, known as the Rip (Minfile #082M027), is situated 8 km south of the Chilly Lake occurrence. Molybdenite is described as disseminations in nepheline and pegmatite dykes that intrude biotite gneiss and schist. No assessment work has been recorded for this or the kyanite occurrences.

There is no record of any mineral occurrences in the southern portion of the project area. The most recent work resulted in the discovery of gold and tungsten mineralization along new logging roads in the Second Creek valley. Geochemical evidence suggests the potential for additional mineralization. Details of these new occurrences are outlined in later sections of this report.

EXPLORATION WORK - 1999

The field work on the Perry River project took place between July 27 and November 7, 1999. Work consisted of stream sampling, prospecting and rock sampling. Field points and samples were located using a hand held GPS unit and altimeter. Stream samples were marked using flagging and an aluminum tag. All sample data, including analyses, are presented in tables and a series of geochemical maps accompanying this report.

Geochemistry:

The major component of the Perry River project was stream sampling. Although the area was sampled in 1975 by a Regional Geochemical survey, the sample density was considered quite low and in some cases substantial drainages such as Second Creek were not tested. Given the often subtle geochemical expression exhibited by these exploration targets, there was concern that a small and quickly collected sample on a large drainage may not effectively detect upstream mineralization.

The objective of the sampling program was to increase the sample density, test smaller drainages, collect a larger sample and utilize more sophisticated analytical methods. Specific attention was directed toward analysis of indica-

tor elements for intrusion hosted deposits (i.e. As, Bi, Te, W). With only a few exceptions, such as anomalous RGS streams, most samples were collected from untested creeks. In all, 59 stream and 57 panned concentrate samples were collected. Stream, soil and rock samples were submitted to Chemex Labs for analysis, while panned concentrates were shipped to Activation Labs in Ancaster, Ontario.

Stream Sampling Methodology:

Stream sediments were collected from the active portions of drainages and sieved to -⅜" to remove the coarse float. The float was logged in the field to determine the lithologic components. The -⅜" material was screened to –10 mesh and then to –40 mesh in order to provide approximately 500 grams of "fines" for the lab. Two full gold pans (12 to 15 kg) of -⅜" material were reduced to produce a concentrate weighing 15 to 25 grams. This sample was collected in plastic film vials and later microscopically examined and tested with an ultraviolet lamp. Descriptions of the stream sample float and panned concentrates are presented in Appendix A and B respectively.

Prospecting:

The search for mineral occurrences was an integral part of the Perry River project. Numerous logging roads provided good bedrock exposures (i.e. Second Creek). Heavily limonitic or otherwise suspicious bedrock and float was examined and if necessary, sampled for analysis. In most cases, representative hand specimens were collected. These were cut, described and tested with a UV lamp. A total of 27 rock and 26 soil samples were submitted to Chemex Labs in Vancouver for analyses. Locations for the rock samples are shown on Figure 5. Descriptions of the rock specimens are presented in Appendix C.

Sample Analysis:

The stream sediment samples were analyzed for gold using fire assay and "Extended Atomic Absorption" allowing a lower detection limit of 1 ppb gold. In addition, a 41 element ICP and ICP-Mass Spectrometer analysis was conducted. A tri-acid leach was used to ensure near total digestion of critical elements such as antimony, beryllium, lanthanum and tungsten as well as providing indicators such as niobium, tantalum and tellurium. Table I displays the geochemical data for all stream silt samples. The analysis for rock samples and most soils was the same as for the stream sediments. These results are presented in Table II.

After visual logging and a review of the geochemical data, 22 selected panned concentrate samples were analyzed by Instrumental Neutron Activation Analysis (INAA). This method was chosen to determine the gold content without sub-sampling or sample destruction. Another benefit was the simultaneous determination of a suite of other elements such as silver, lanthanum, molybdenum, selenium, tantalum and tungsten. The INAA results are presented on Table III

TABLE I

SILT ANALYTICAL DATA

SAMPLE NUMBER	Au ppb	Ag ppm	Al %	As ppm	Ba ppm	Be ppm	Bi ppm	Ca %	Cd ppm	Ce ppm	Co ppm	Cr ppm	Cs ppm	Cu ppm	Fe %	Ga ppm	Ge ppm	Hg ppb	K %	La ppm	Li ppm	Mg %	Mn ppm	Mo ppm	Na %	Nb ppm	Ni ppm	P ppm	Pb ppm	Rb ppm	Sb ppm	Sr ppm	Ta ppm	Te ppm	Th ppm	Ti %	Tl ppm	U ppm	V ppm	W ppm	Y ppm	Zn ppm
PR-SL-1	6	0.35	5.4	8	850	4.20	0.76	4.04	0.38	>500	15.6	69	2.45	17	5.20	23.0	2.8	10	2.06	>500	43.0	3.60	2470	7.2	1.28	467.0	39.0	4670	37.0	73.6	0.4	305	2.00	0.15	117.5	0.46	0.42	10.8	110	6.3	55.2	150
PR-SL-2	2	0.30	6.1	5	660	3.65	0.42	3.57	0.20	266	12.4	55	3.15	18	3.17	17.6	1.7	<10	3.12	123	33.8	2.88	810	2.4	1.56	58.4	24.2	1090	23.5	126.5	0.2	288	2.65	<0.05	35.0	0.78	0.56	8.8	88	7.4	48.1	102
PR-SL-3	<5	0.20	6.4	5	770	1.85	0.24	3.66	0.12	169	11.2	55	2.85	24	2.92	16.6	1.9	10	2.87	91	24.6	2.54	530	0.8	0.96	20.6	20.8	1160	20.0	99.4	0.1	197	0.80	<0.05	29.6	0.44	0.42	4.4	69	9.7	32.2	56
PR-SL-4	<2	0.20	8.1	3	660	2.10	0.39	3.16	0.24	175	14.2	75	3.15	27	3.83	20.4	1.5	10	2.07	96	43.4	1.44	930	0.6	1.46	13.0	36.6	1090	25.0	85.6	0.1	460	0.70	0.05	30.4	0.44	0.46	5.8	79	4.1	29.8	70
PR-SL-5	52	0.25	7.4	4	840	2.40	0.27	2.51	0.18	178	13.6	61	2.95	18	3.34	19.4	1.8	<10	2.51	98	32.4	2.02	645	1.2	1.34	22.4	29.2	1010	26.5	100.0	0.1	206	0.90	<0.05	28.2	0.47	0.44	5.0	79	1.3	28.8	72
PR-SL-6	11	0.40	7.5	4	900	3.85	0.46	2.72	0.28	405	10.4	55	2.80	13	4.21	29.0	2.3	<10	3.50	206	28.2	1.47	1010	3.4	1.95	172.5	23.2	1780	31.5	147.5	<0.1	377	4.40	0.05	54.8	0.45	0.60	15.0	82	7.8	106.0	112
PR-SL-7	6	0.80	6.2	4	840	3.55	0.32	4.10	0.26	424	11.6	48	2.10	14	4.51	22.3	2.1	<10	2.45	205	19.6	2.13	1225	1.6	1.57	>500	25.0	4050	20.0	87.0	0.1	481	10.20	0.10	70.0	0.63	0.38	18.2	151	4.4	71.4	94
PR-SL-8	<2	0.30	7.8	9	970	3.15	0.27	2.91	0.28	194	16.6	93	4.25	19	4.30	23.5	1.8	10	2.61	101	32.6	1.98	900	1.4	1.66	29.8	36.4	1140	25.5	116.5	0.6	246	1.25	<0.05	30.0	0.49	0.58	5.8	97	2.6	52.9	110
PR-SL-9	<5	0.35	6.7	4	730	3.90	0.30	2.74	0.30	237	20.2	203	3.45	12	4.59	22.2	1.7	10	2.52	118	24.0	2.67	1040	1.6	1.81	39.8	43.8	1000	25.0	116.0	0.1	225	1.80	<0.05	34.6	0.45	0.54	8.6	91	4.6	76.6	124
PR-SL-10	10	0.25	7.4	4	770	2.55	0.32	2.40	0.14	297	17.2	92	4.10	29	4.14	21.3	2.0	30	2.46	154	37.0	2.02	865	1.8	1.36	45.2	40.2	1150	19.5	111.0	0.1	260	1.10	0.05	46.8	0.53	0.50	7.0	91	1.8	48.3	72
PR-SL-11	6	0.35	7.7	3	740	2.70	0.22	2.48	0.20	249	14.4	107	3.25	13	3.61	21.1	1.7	10	1.95	134	33.8	1.77	700	2.2	1.94	18.0	29.2	780	21.5	83.8	<0.1	386	0.75	<0.05	46.6	0.41	0.40	4.4	92	1.2	29.5	100
PR-SL-12	2	0.35	7.3	4	780	2.00	0.16	3.66	0.14	307	16.2	61	2.15	23	4.21	19.5	1.6	<10	1.92	167	22.8	2.48	875	2.4	1.66	25.0	27.4	2170	18.5	72.0	<0.1	479	0.90	0.05	52.2	0.42	0.34	5.8	95	1.9	34.8	76
PR-SL-13	6	0.50	7.8	1	1020	2.10	0.15	2.53	0.14	309	12.6	68	2.45	9	3.37	21.0	1.5	10	2.58	170	26.2	1.45	735	2.4	2.25	36.2	29.8	3170	21.0	98.6	0.1	648	1.15	<0.05	58.8	0.39	0.52	10.0	100	2.1	36.4	86
PR-SL-14	2	0.65	8.3	<1	1140	2.65	0.23	2.51	0.16	239	21.0	97	4.80	18	5.00	24.0	1.5	10	2.36	135	35.6	1.56	975	2.4	2.18	49.0	37.0	3990	21.0	107.0	0.1	673	1.50	0.05	32.4	0.58	0.56	10.4	157	1.2	34.0	102
PR-SL-15	<5	0.35	7.7	1	810	2.25	0.61	1.07	0.06	>500	4.4	20	3.15	4	1.65	23.7	1.7	<10	3.55	>500	36.6	0.49	255	0.6	2.27	18.6	7.2	1930	42.0	121.0	<0.1	344	0.75	<0.05	265.0	0.22	0.58	18.4	33	7.1	73.3	36
PR-SL-16	<5	0.60	8.1	<1	920	2.00	0.22	1.56	0.16	244	13.0	89	2.60	8	3.52	22.0	1.5	10	2.87	136	36.6	1.14	795	2.4	2.26	41.2	40.2	2260	27.0	119.0	<0.1	497	1.05	<0.05	63.6	0.42	0.62	9.2	92	3.6	31.1	104
PR-SL-17	4	0.30	8.1	5	620	2.45	0.29	1.99	0.12	356	10.4	59	3.75	8	3.45	23.1	1.5	10	2.58	190	45.2	1.09	755	4.8	1.92	22.0	19.4	990	28.0	98.8	<0.1	366	0.85	<0.05	71.0	0.37	0.50	11.4	77	4.4	32.2	88
PR-SL-18	<2	0.45	8.5	7	820	2.45	0.17	0.67	0.10	175	4.2	17	3.10	2	1.83	22.3	1.1	10	3.58	98	37.0	0.30	380	1.4	2.41	17.2	6.8	730	37.5	132.0	<0.1	262	0.50	<0.05	43.8	0.20	0.64	7.8	30	2.9	19.5	66
PR-SL-19	<1	0.20	6.5	4	780	2.15	0.16	1.84	0.10	440	10.6	64	2.70	9	3.24	17.4	2.1	<10	2.31	233	25.2	1.08	1020	1.0	1.76	13.4	18.6	570	27.0	76.6	0.2	241	0.75	<0.05	91.2	0.42	0.38	7.0	65	3.4	49.3	58
PR-SL-20	<1	0.15	7.0	<1	1160	2.25	0.45	1.53	0.14	257	7.2	50	3.45	8	2.09	17.3	1.4	<10	3.33	138	37.8	0.91	480	3.0	1.79	14.2	16.4	640	37.0	101.0	0.1	329	0.75	<0.05	51.0	0.28	0.48	6.2	43	2.2	23.6	62
PR-SL-21	<2	0.20	6.6	<1	670	2.10	0.11	2.12	0.10	170	11.6	125	2.20	4	2.84	14.7	1.7	<10	2.29	89	24.6	1.59	820	1.2	1.88	10.2	18.2	380	23.5	67.2	0.1	290	0.55	<0.05	37.0	0.36	0.32	3.2	70	0.5	31.2	66
PR-SL-22	28	0.20	6.9	<1	840	1.85	0.14	2.50	0.10	>500	9.8	55	2.20	9	3.35	19.3	2.0	<10	2.55	275	26.6	1.18	1055	1.8	1.68	20.2	17.8	1200	26.5	78.2	0.1	349	1.05	<0.05	106.5	0.64	0.38	7.8	75	11.7	55.8	64
PR-SL-23	<1	0.15	6.7	<1	900	1.75	0.23	2.01	0.06	331	9.0	79	2.10	7	2.70	16.4	1.7	<10	2.69	183	25.6	1.21	775	0.8	1.89	16.4	20.2	910	26.0	76.4	0.1	308	0.85	<0.05	68.8	0.38	0.38	5.8	54	0.8	39.1	52
PR-SL-24	<1	0.15	6.6	4	900	1.35	0.07	3.08	0.06	366	11.8	47	1.30	7	4.01	15.7	1.4	<10	1.82	203	16.0	1.46	955	0.6	1.81	54.2	17.0	3890	14.5	50.8	0.1	645	1.95	<0.05	52.2	0.77	0.22	3.6	110	0.6	36.9	64
PR-SL-25	11	0.15	6.18	2	570	1.85	0.12	2.87	0.10	314	10.4	59	2.30	10	3.90	15.2	2.2	<10	1.85	167	23.0	1.83	1190	0.8	1.43	17.8	18.0	830	18.0	61.4	0.1	205	1.00	<0.05	58.2	0.59	0.28	8.0	75	1.3	61.7	62
PR-SL-26	<1	0.10	5.99	1	680	1.60	0.10	2.93	0.10	224	8.6	40	1.90	14	3.08	14.1	2.0	10	2.14	116	19.2	1.71	965	0.8	1.45	20.0	15.0	600	19.5	66.4	0.1	199	0.95	0.05	49.6	0.42	0.30	10.2	55	5.7	57.1	56
PR-SL-27	35	0.15	6.16	2	630	2.30	0.27	2.49	0.12	345	12.0	61	2.35	15	3.30	16.5	2.0	<10	1.96	178	23.6	1.35	970	0.8	1.35	77.0	24.4	2040	20.5	67.8	0.1	257	2.10	0.05	55.0	0.52	0.32	10.2	70	1.2	57.2	66
PR-SL-28	12	0.15	6.89	<1	540	1.55	0.13	1.96	0.14	>500	15.2	86	2.35	22	4.50	20.5	2.6	<10	1.89	347	21.2	1.41	1275	1.0	1.33	22.6	29.6	1310	20.0	70.4	0.1	187	0.85	0.05	113.0	0.48	0.34	14.2	92	0.7	82.9	70
PR-SL-29	5	0.20	6.64	7	760	1.55	0.16	2.47	0.12	445	16.2	195	3.10	19	4.04	18.8	2.1	<10	2.03	238	21.0	1.85	1365	1.0	1.65	22.6	53.7	860	20.5	78.2	0.1	295	1.15	<0.05	80.6	0.66	0.34	8.4	101	2.7	54.1	78
PR-SL-30	6	0.25	6.98	<1	940	1.60	0.09	3.70	0.06	>500	14.8	72	1.55	7	5.63	19.7	1.8	<10	1.63	368	15.2	1.32	980	0.6	2.10	62.8	25.0	6960	14.5	44.6	0.1	707	2.55	<0.05	96.6	0.89	0.20	6.2	125	1.7	63.9	62
PR-SL-31	4	0.15	7.73	4	610	1.35	0.16	2.91	0.08	316	12.4	120	2.30	14	5.29	13.9	1.7	<10	2.03	164	14.6	1.79	1375	0.6	2.02	22.4	32.2	1410	15.5	49.0	0.1	269	1.10	0.05	59.4	1.01	0.22	8.2	124	4.4	53.8	92
PR-SL 32	9	0.20	7.28	1	710	1.50	0.22	4.32	0.10	>500	15.6	40	1.05	18	4.34	18.6	2.1		1.37	407	8.0	1.23	1180	1.2	2.07	49.0	23.4	5550	18.5	41.4	0.3	560	2.50	<0.05	115.5	0.86	0.26	9.6	114	14.5	78.1	46
PR-SL 33	<1	0.15	5.77	<1	580	1.40	0.24	3.65	0.10	467	14.2	154	1.40	22	3.10	14.9	2.0		1.51	232	10.0	2.12	835	0.8	1.49	34.6	52.8	1580	19.5	47.4	0.2	229	1.85	0.05	69.8	0.77	0.24	10.0	90	11.9	67.5	44
PR-SL 34	<1	0.15	6.72	<1	650	1.20	0.16	1.77	0.14	281	16.0	115	3.15	28	4.74	16.5	2.1		1.75	146	18.0	1.67	1605	1.0	1.17	30.8	44.0	960	15.0	80.8	0.1	194	1.10	0.05	40.4	0.42	0.42	6.2	97	5.0	55.1	76
PR-SL 35	<1	0.15	7.12	1	580	1.40	0.16	2.27	0.08	318	14.8	76	4.15	21	3.97	18.9	2.0		1.79	158	25.6	1.59	1035	1.0	1.32	17.0	32.2	690	26.5	89.2	<0.1	169	1.80	0.05	57.4	0.50	0.46	8.0	110	4.1	51.7	82
PR-SL 36	<1	0.15	7.07	<1	560	1.55	0.12	2.72	0.10	178	13.0	69	2.95	12	3.90	16.3	1.8		1.63	91	23.2	1.43	1265	0.8	1.46	34.2	24.0	630	14.0	68.6	0.1	229	1.90	<0.05	30.8	0.59	0.36	20.0	106	3.3	44.1	64
PR-SL 37	<2	0.25	6.59	<1	460	1.15	0.11	3.42	0.16	340	26.4	142	1.65	16	5.95	16.7	2.4		1.17	170	13.6	2.29	1895	0.6	1.26	30.4	59.8	1070	12.5	41.8	0.1	242	1.65	<0.05	55.6	1.17	0.24	5.6	155	6.3	72.5	80
PR-SL 38	<1	0.20	6.54	<1	410	1.05	0.13	3.01	0.14	209	22.0	130	2.10	16	5.69	16.0	2.2		1.23	103	19.4	2.18	1770	0.6	1.21	59.2	51.9	890	12.5	54.0	0.1	189	2.60	0.05	30.8	0.96	0.24	5.0	148	2.8	65.6	82
PR-SL 39	<1	0.15	6.77	<1	590	1.30	0.12	2.68	0.12	152	15.4	81	2.65	17	3.62	16.0	1.7		1.62	75	18.0	1.46	955	0.4	1.40	24.0	34.6	760	17.0	70.2	0.1	233	1.20	<0.05	23.6	0.53	0.36	3.2	98	2.4	37.3	60
PR-SL 40	<1	0.20	6.47	<1	620	1.90	0.26	4.21	0.12	>500	13.8	65	2.65	24	3.72	18.5	2.3		1.67	351	20.0	2.28	1070	0.8	1.33	26.2	23.6	1230	18.5	65.6	0.1	199	1.95	0.05	124.0	0.70	0.34	14.8	109	8.6	74.3	62
PR-SL 41	220	0.25	6.78	<1	610	2.00	15.40	4.58	0.10	332	15.0	57	3.40	29	4.03	18.9	1.9		1.75	170	21.8	2.37	945	1.0	1.42	29.8	26.0	1000	19.5	75.8	0.1	225	2.50	4.65	65.0	0.78	0.38	10.2	122	22.7	47.6	64
PR-SL 42	<1	0.15	5.73	<1	630	2.50	0.27	3.61	0.16	263	12.2	70	2.20	5	3.39	14.4	2.1		1.71	127	20.4	1.71	1390	0.8	1.38	130.0	24.2	1330	20.0	58.0	0.1	263	7.90	0.05	45.0	1.41	0.26	8.4	97	17.2	52.1	60
PR-SL 43	<1	0.35	7.69	<1	890	2.30	0.46	1.72	0.12	411	8.8	39	3.85	8	2.15	22.1	1.6		2.95	212	35.4	0.88	525	0.8	2.11	22.8	19.2	520	40.0	103.0	0.1	308	1.55	<0.05	79.4	0.36	0.64	8.2	55	2.4	30.7	68
PR-SL 44	<1	0.95	8.45	<1	1210	2.40	0.28	2.53	0.14	>500	12.4	84	3.55	7	2.70	21.4	1.7		2.59	290	43.4	1.51	645	1.8	2.39	24.4	37.8	1210	36.0	69.6	0.1	650	1.65	<0.05	97.6	0.56	0.44	9.8	78	48.3	37.8	112
PR-SL 45	2	0.25	7.28	<1	720	1.85	0.32	2.70	0.12	420	18.8	277	3.80	12	3.06	19.7	1.7		2.06	219	43.6	2.53	930	1.4	1.69	18.2	76.5	650	28.0	73.2	0.1	305	1.10	<0.05	87.0	0.44	0.42	38.4	83	16.3	38.7	94
PR-SL-46	6	0.10	8.71	<1	890	2.50	0.59	2.08	0.18	387	10.8	56	4.65	41	3.66	24.0	1.4		2.42	224	59.6	1.21	760	2.4	1.89	17.0	20.8	680	30.0	99.6	<0.1	336	0.85	<0.05	110.0	0.41	0.44	6.4	96	6.3	26.3	144
PR-SL-47	<1	0.10	7.76	<1	1070	1.90	0.14	2.52	0.08	443	11.6	50	2.90	32	4.01	21.2	1.5		2.99	254	33.8	1.28	565	1.8	1.40	15.4	25.4	1030	38.5	103.0	<0.1	334	0.90	<0.05	109.5	0.41	0.48	8.8	67	20.7	30.9	78
PR-SL-48	<1	0.35	7.10	<1	760	2.05	<0.01	3.39	0.16	258	16.2	142	1.45	8	6.01	17.9	1.3		1.45	149	23.6	2.52	1505	2.2	1.98	21.2	45.2	1690	18.0	41.6	<0.1	512	0.90	<0.05	59.6	1.04	0.18	3.0	183	1.2	31.9	108
PR-SL-49	15	0.10	6.53	<1	580	2.95	0.50	3.80	0.12	449	12.8	48	2.90	27	4.51	19.7	2.0		1.70	255	40.2	2.44	990	1.4	1.51	35.2	20.8	1470	18.5	63.4	<0.1	179	1.85	<0.05	112.5	0.69	0.32	14.0	102	13.5	46.0	80
PR-SL-50	3	0.15	6.71	<1	570	2.80	8.64	2.90	0.12	181	17.8	83	4.40	42	4.13	17.7	1.4		1.91	90	30.8	1.88	660	1.4	1.56	27.2	32.8	1010	24	100	<0.1	198	1.50	1.35	31.2	0.49	0.48	7.8	107	3.3	29.9	70
PR-SL-51	10	0.15	6.23	<1	600	2.40	2.09	3.30	0.12	>500	16.8	81	3.00	30	3.71	16.0	1.7		1.79	270	24.6	2.13	735	1.0	1.43	26.8	28.2	1150	20.5	83.6	<0.1	196	1.50	0.30	84.0	0.50	0.36	10.2	99	17.0	54.8	60
PR-SL-52	<1	0.15	6.19	2	610	2.35	0.17	3.69	0.06	411	9.4	47	3.90	14	3.12	17.0	1.8		1.75	187	41.4	2.89	705	1.2	1.07	26.6	17.6	800	14.5	87.8	<0.1	186	1.50	<0.05	81.8	0.41	0.36	26.8	60	4.5	48.6	74
PR-SL-53	<1	0.25	5.56	5	640	2.50	0.14	2.52	0.10	220	8.8	41	2.00	13	2.60	12.7	1.7		1.66	110	22.0	1.27	840	0.6	1.24	70.0	18.0	1920	18.5	67.8	<0.1	262	1.85	<0.05	30.4	0.39	0.26	4.2	59	1.0	35.1	56
PR-SL-54	3	0.20	5.21	4	670	1.65	0.24	2.94	0.10	218	8.8	53	1.90	9	2.55	11.8	1.6		1.82	112	20.0	1.86	615	0.6	0.91	29.8	20.2	1290	21.0	69.2	<0.1	153	1.50	<0.05	27.4	0.50	0.28	4.2	64	1.1	29.2	50
PR-SL-55	2	0.05	6.71	5	760	2.45	0.16	2.82	0.12	201	11.8	57	2.10	12	3.18	15.2	1.4		1.80	105	27.6	1.50	800	0.8	1.33	32.2	25.2	940	24.0	77.0	0.1	241	1.45	<0.05	24.4	0.49	0.32	3.8	80	1.1	26.4	68
*PR-SL-56	6	0.55	6.09	4	880	3.90	0.25	4.39	0.18	417	12.0	42	2.15	11	4.56	20.4	1.8		2.40	174	22.6	2.10	1215	1.4	1.48	>500	25.2	4300	21.5	98.0	0.1	486	8.85	0.10	67.6	0.57	0.40	14.0	168	2.0	62.2	94
PR-SL-57	5	0.20	7.21	5	670	3.10	0.72	3.01	0.18	187	9.8	48	4.20	18	3.20	18.3	1.4		2.27	98	57.4	1.32	720	5.2	1.23	31.4	20.6	720	25.0	90.6	<0.1	338	1.75	0.05	29.4	0.42	0.40	11.6	73	1.6	34.4	114
PR-SL-58	2																				No ICP Analysis																				
PR-SL-59	3																				No ICP Analysis																				

* Duplicate of PR-SL-07

EXTENDED WHOLE ROCK ANALYSIS ON "OVER LIMITS"
(for Ce, La, Nb)

SAMPLE NUMBER	Ag ppm	Ba ppm	Ce ppm	Co ppm	Cs ppm	Cu ppm	Dy ppm	Er ppm	Eu ppm	Ga ppm	Gd ppm	Hf ppm	Ho ppm	La ppm	Lu ppm	Nb ppm	Nd ppm	Ni ppm	Pb ppm	Pr ppm	Rb ppm	Sm ppm	Sn ppm	Sr ppm	Ta ppm	Tb ppm	Th ppm	Tl ppm	Tm ppm	U ppm	V ppm	W ppm	Y ppm	Yb ppm	Zn ppm	Zr ppm
PR-SL-1	<1	1075	3340	15.5	2.3	15	25.6	9.3	28.4	22	115.5	11	3.6	2180	1.0	542	1275	35	30	396	83.2	141.0	17	290	4.5	8.1	120	<0.5	1.0	12.5	115	5	99.0	7.1	160	335
PR-SL-7	<1	972	471	11	2.1	20	17.9	8.8	6.0	22	29.5	30	3.0	225	1.1	825	193	25	15	53.6	99.4	31.3	7	471	14.5	3.4	60	<0.5	1.1	20.0	140	10	91.0	8.1	95	1240
PR-SL-15	<1	882	1665	4	3.1	5	35.8	9.6	4.3	21	97.9	24	4.4	868	0.8	22	603	<5	30	179.5	130.5	114.0	5	329	1.0	9.2	300	<0.5	1.0	22.0	25	22	128.5	6.5	35	853

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TABLE II

ROCK ANALYTICAL DATA

SAMPLE NUMBER	Au ppb	Ag ppm	Al %	As ppm	Ba ppm	Be ppm	Bi ppm	Ca %	Cd ppm	Ce ppm	Co ppm	Cr ppm	Cs ppm	Cu ppm	Fe %	Ga ppm	Ge ppm	Hg ppb	K %	La ppm	Li ppm	Mg %	Mn ppm	Mo ppm	Na %	Nb ppm	Ni ppm	P ppm	Pb ppm	Rb ppm	Sb ppm	Sr ppm	Ta ppm	Te ppm	Th ppm	Ti %	Tl ppm	U ppm	V ppm	W ppm	Y ppm	Zn ppm
PR 17R	3	0.50	7.16	4	500	2.20	0.30	3.32	0.08	90.3	12.6	137	2.50	86	3.82	18.4	1.8	<10	2.81	48.5	15.4	1.21	345	9.6	1.70	17.8	18.8	330	20.5	105.0	0.1	392.0	0.65	0.10	18.2	0.27	0.44	3.0	56	7.9	17.7	66
PR 46R	47	0.90	7.60		70	64.30	11.80	8.65	0.30	61.7	13.4	93	2.05	233	7.48	22.9	1.8		0.30	36.5	16.0	1.00	1320	2.0	0.95	13.4	6.8	580	15.0	14.2	<0.1	401.0	0.55	0.65	15.0	0.17	0.08	4.6	34	2120.0	9.7	122
PR 50R2	3	0.25	6.70		490	2.15	0.28	3.33	0.08	98.8	18.8	161	3.80	82	5.12	19.5	1.7		2.03	48.5	31.2	1.64	830	4.2	1.75	17.8	24.2	520	20.0	104.0	0.2	199.5	0.90	<0.05	15.8	0.65	0.44	2.4	185	1.0	23.1	62
SCS 02+90R	3	0.05	6.60		770	2.15	1.16	0.78	<0.02	33.7	1.0	136	3.65	<1	0.51	19.6	1.1		3.84	17.5	12.2	0.14	120	1.6	1.79	20.2	3.0	250	46.0	185.0	<0.1	186.5	1.55	<0.05	8.8	0.05	0.88	22.2	5	6.3	7.7	10
SCS 05+36R	<1	0.35	6.40		410	6.25	0.41	7.19	0.16	94.2	23.2	117	2.35	84	3.64	17.7	1.5		1.24	47.0	7.6	1.46	725	6.0	0.67	16.8	46.8	510	10.5	60.0	<0.1	531.0	1.70	0.05	20.8	0.26	0.22	5.6	57	2.4	20.5	80
SCS 08+81R	2	0.80	2.51		40	3.00	3.27	5.25	0.10	41.2	67.6	194	14.55	477	13.40	6.7	2.0		0.15	21.0	9.8	1.39	895	5.2	0.36	6.0	40.4	760	0.5	8.2	0.1	363.0	0.40	0.75	6.2	0.14	0.06	2.4	30	22.8	9.6	58
SCS 09+40R	76	0.40	6.05		320	1.75	6.94	6.55	0.04	69.6	12.4	255	5.60	57	4.14	15.2	1.8		1.91	34.0	9.8	1.07	635	5.2	0.57	11.6	28.0	410	4.5	87.4	0.1	857.0	0.90	0.70	12.8	0.30	0.38	3.0	60	2.1	23.7	54
SCS 10+25R	2980	1.85	3.70		80	2.20	156.00	5.76	0.12	76.1	62.6	126	1.95	502	17.35	10.9	2.0		0.27	41.0	10.0	1.27	960	9.2	0.52	10.2	73.6	460	1.5	11.8	<0.1	441.0	0.95	16.45	26.4	0.18	0.08	3.4	52	26.8	15.4	70
SCS 10+50R	5	0.40	6.42		30	3.30	2.07	7.75	0.06	86.8	31.2	152	2.75	160	6.05	18.1	2.2		0.15	45.5	7.4	1.65	1065	10.6	0.63	16.0	49.6	470	<0.5	8.0	0.1	758.0	1.10	0.35	15.4	0.31	0.04	5.0	82	2.2	22.2	68
SCS 16+38R	<1	0.05	7.33		1070	2.15	0.36	0.17	0.04	97.7	7.6	155	3.95	11	2.07	18.5	1.0		3.21	49.0	25.0	0.58	215	2.8	2.09	11.8	13.8	240	27.5	134.0	0.1	212.0	0.80	<0.05	24.0	0.18	0.68	1.6	42	0.7	6.5	38
SCS 25+15R	<1	<0.05	8.26		670	1.35	0.16	0.39	<0.02	151.0	14.0	235	6.25	30	4.17	22.7	1.3		2.81	67.0	108.0	1.13	290	6.0	1.67	12.2	29.4	230	12.0	155.5	<0.1	170.5	0.45	<0.05	30.0	0.38	0.78	3.2	95	0.6	14.8	58
SCS-27+00R	150	0.40	2.90		80	1.65	72.20	2.98	0.08	35.2	41.8	130	3.70	403	16.40	12.7	1.7		0.34	17.5	12.2	1.03	360	2.2	0.46	6.6	35.4	500	8.5	17.8	<0.1	177.0	0.35	3.05	7.2	0.17	0.16	2.2	30	1.2	8.6	32
WP 021R	<1	0.25	5.21	<1	230	1.30	0.12	19.40	0.10	62.1	7.6	55	2.15	6	2.31	11.3	0.6	<10	0.66	35.0	8.6	1.65	625	0.8	0.90	10.8	30.2	470	10.5	30.8	0.1	633.0	0.30	<0.05	15.8	0.21	0.12	3.4	38	1.4	16.3	90
WP 023R	1580	1.30	5.85	3	80	2.05	225.00	5.09	0.16	106.5	61.1	97	3.50	305	11.95	22.0	1.7	10	0.63	64.5	13.8	1.25	645	2.4	1.08	21.8	38.8	510	16.5	37.2	0.1	332.0	0.80	11.20	23.6	0.33	0.18	3.8	57	33.6	21.6	72
WP 025R	115	1.85	4.32	<1	40	3.30	11.20	7.42	0.34	56.8	126.0	53	5.45	992	20.10	13.5	2.7	10	0.29	33.5	22.2	1.85	1560	2.8	0.85	11.0	43.4	560	14.5	12.8	0.1	229.0	0.45	1.35	10.4	0.20	0.08	3.2	54	288.0	15.1	106
WP 029R	6	<0.20	7.15	<1	100	145.00	<2.00	7.55	<0.50	57.2	36.0	95	3.00	390	10.50	30.0	<1.0	10	0.47	30.0	36.0	1.43	1190	3.0	0.79	52.0	26.0	1040	2.0	26.0	8.0	319.0	0.50	<.50	10.0	0.24	0.20	4.0	59	1210.0	22.0	90
WP 032R	1250	2.10	7.16	1	70	65.40	91.20	9.03	0.16	58.8	47.4	68	3.45	510	11.60	25.5	3.5	<10	0.32	30.0	26.6	1.70	1340	3.4	1.05	40.8	33.8	1010	18.5	14.4	0.2	376.0	1.10	7.25	11.4	0.25	0.10	7.2	57	251.0	28.2	126
WP 041R	<2	0.75	4.58	<1	140	6.55	1.32	7.32	0.08	52.9	66.5	63	1.10	1160	16.05	18.4	3.0	<10	0.49	29.5	12.4	1.57	1245	5.8	0.90	14.0	28.0	840	9.5	21.2	0.1	217.0	0.75	0.50	9.4	0.19	0.10	3.4	46	7.2	19.6	76
WP 043R	<2	0.60	10.05	3	160	3.10	0.78	7.87	0.10	106.0	39.2	115	0.95	238	5.43	26.8	1.5	20	0.34	62.5	4.0	1.28	655	0.8	0.62	14.0	48.0	730	6.5	15.4	0.2	368.0	0.75	0.15	20.6	0.36	0.08	4.0	63	2.0	28.3	28
WP 046R	<1	0.20	5.23	9	140	3.60	0.20	12.80	0.12	47.5	8.8	27	0.85	5	2.13	14.5	2.1	10	0.66	26.0	15.0	8.05	700	0.2	1.07	5.4	15.4	290	9.5	29.2	0.4	129.0	0.40	0.05	12.4	0.08	0.12	2.0	20	0.8	13.3	92
WP 053BR	<1	0.30	0.24	5	400	0.30	0.09	>25.00	0.60	312.0	9.4	<1	0.30	1	2.80	7.6	0.5	<10	0.25	171.5	1.0	3.04	5230	0.2	0.21	146.0	8.0	>10000	4.5	16.0	0.6	6700.0	0.55	0.05	5.0	0.03	<0.02	18.6	30	0.2	59.3	16
WP 059R	5	<0.20	6.56		120	<0.50	<2.00	1.61	<0.50	60.9	221.0	251	1.50	49	8.87	19.0	<1.0		0.30	25.0	8.0	1.42	>10000	<1.0	0.08	18.0	133.0	890	2.0	20.0	10.0	14.0	1.50	<0.50	6.0	0.48	0.60	1.0	104	<10.0	38.0	26
WP 061R	<1	0.20	7.83	3	820	0.65	0.07	1.72	0.04	42.3	7.2	160	1.20	26	3.13	20.2	1.2	<10	1.61	25.5	19.0	1.01	295	6.0	2.42	13.4	10.0	60	14.0	77.6	<0.1	461.0	0.25	<0.05	5.8	0.43	0.32	0.2	81	0.2	8.9	52
WP 082R	7	<0.20	3.74		280	<0.50	2.00	6.25	1.00	48.6	19.0	241	1.00	310	11.25	10.0	<1.0		0.30	40.0	4.0	1.96	>10000	7.0	0.16	6.0	99.0	3430	2.0	16.0	1.0	230.0	<.50	<.50	4.0	0.17	0.60	6.2	380	<10.0	68.0	146
WP 096R	25	1.00	4.28		20	1.85	3.41	6.10	0.16	75.6	97.0	188	0.35	996	15.10	14.3	1.6		0.07	44.5	6.2	1.43	645	9.4	0.41	12.4	60.7	970	4.0	3.6	0.4	414.0	0.50	0.80	7.0	0.21	0.02	4.4	45	2.2	19.5	60
WP 104R	2	0.35	7.09		260	41.40	3.07	8.68	0.10	105.5	26.4	115	1.10	152	5.74	28.0	3.8		0.47	61.0	11.8	1.34	1480	14.8	0.93	25.6	30.6	980	5.0	24.2	1.2	409.0	0.60	0.50	18.8	0.26	0.06	9.2	65	8660.0	38.2	98
WP 106R	2	0.70	6.55		170	24.70	1.95	4.86	0.10	128.0	41.2	107	4.15	613	9.37	38.6	2.8		0.69	69.5	27.0	1.17	620	3.2	1.05	27.6	16.8	880	3.5	43.2	0.3	303.0	1.30	0.95	24.4	0.18	0.28	5.4	37	429.0	24.7	38

SOIL ANALYTICAL DATA

SAMPLE NUMBER	Au ppb	Ag ppm	Al %	As ppm	B ppm	Ba ppm	Be ppm	Bi ppm	Ca %	Cd ppm	Ce ppm	Co ppm	Cr ppm	Cs ppm	Cu ppm	Fe %	Ga ppm	Ge ppm	Hg ppb	K %	La ppm	Li ppm	Mg %	Mn ppm	Mo ppm	Na %	Nb ppm	Ni ppm	P ppm	Pb ppm	Rb ppm	S %	Sb ppm	Sc ppm	Sr ppm	Ta ppm	Te ppm	Th ppm	Ti %	Tl ppm	U ppm	V ppm	W ppm	Y ppm	Zn ppm
TCS 3+25	2	<0.20	4.30	<2	<10	100	1.50	<2	0.72	<0.50		25	53		38	4.66	10.0		<1	0.18	10.0		1.06	335	4.0	0.06		69.0	730	6		0.04	<2	6	60.0				0.18	<10	<10	55	<10		172
TCS 3+50	<1	<0.20	3.95	2	<10	120	0.50	<2	0.08	<0.50		22	60		34	6.84	10.0		<1	0.40	10.0		1.03	275	10.0	0.01		41.0	360	12		0.03	<2	9	9.0				0.29	<10	<10	90	<10		74
TCS 4+00	<1	<0.20	4.87	<2	<10	150	1.00	<2	0.20	<0.50		16	62		26	6.10	10.0		<1	0.42	10.0		1.34	250	6.0	0.02		30.0	380	<2		0.05	<2	8	18.0				0.28	<10	<10	80	<10		82
TCS 4+25	<1	<0.20	4.20	<2	<10	50	0.50	<2	0.04	<0.50		7	31		11	4.18	10.0		<1	0.16	<10		0.43	190	5.0	0.01		11.0	400	6		0.05	2	3	6.0				0.20	<10	<10	51	<10		32
TCS 4+50	2	<0.20	5.85	<2	<10	110	1.50	<2	0.11	<0.50		17	57		26	5.67	10.0		<1	0.30	10.0		1.06	260	5.0	0.02		31.0	520	10		0.05	<2	6	14.0				0.20	<10	<10	72	<10		74
WP 025S	130	0.80	8.72	<1		770	2.15	0.80	0.84	0.10	102.0	12.4	50	5.55	36	4.24	18.5	1.0	70	2.31	55.0	35.8	0.93	385	3.8	1.06	14.2	25.8	700	27.0	94.6		0.3		180.0	0.75	0.10	28.6	0.29	0.54	4.2	57	1.5	18.1	74
WP 059S	<5	0.25	6.27	<1		610	1.55	0.19	1.41	0.16	142.5	22.4	73	3.55	39	8.44	15.6	1.4	30	1.94	77.5	33.8	1.21	1315	3.2	0.90	16.2	51.4	1000	20.5	91.0		0.1		156.5	0.80	0.05	34.8	0.37	0.44	4.8	75	1.1	32.2	76

SCS 07+50	2
SCS 07+75	2
SCS 08+00	39
SCS 08+50	6
SCS 08+75	<1
SCS 09+00	2
SCS 09+25	<1
SCS 09+50	<1
SCS 09+75	<1
SCS 10+00	<1
SCS 10+25	<1
SCS 10+50	<2
SCS 10+60	<2
SCS 26+75	<1
SCS 27+00	<1
SCS 27+20	<1
SCS 27+50	<1
SCS 27+75	<1
SCS 27+91	<2

No ICP Analysis

* SCS soils to be applied as assessment work

99-26 Pg. 23

TABLE III

PANNED CONCENTRATE ANALYTICAL DATA
(Outside Claims)

Element	Mass	Au	Ag	As	Ba	Br	Ca	Co	Cr	Cs	Fe	Hf	Hg	Ir	Mo	Na	Ni	Rb	Sb	Sc	Se	Sr	Ta	Th	U	W	Zn	Rare Earth Elements (REE)								
Units	g	ppb	ppm	ppm	ppm	ppm	%	ppm	ppm	ppm	%	ppm	ppm	ppm	ppm	%	ppm	ppm	ppm	ppm	ppm	%	ppm	ppm	ppm	ppm	ppm	La ppm	Ce ppm	Nd ppm	Sm ppm	Eu ppm	Tb ppm	Yb ppm	Lu ppm	Au Relative to Silt
PR-PC-5	22.92	82	-5	-2	-200	-5	-2	29	78	-3	15.2	77	-5	-50	-20	0.4	-267	-50	-0.5	82	-20	-0.2	-1	1010	100	158	-200	2800	3710	1350	232	11	28	35.6	6.8	+
PR-PC-7	32.39	-5	-5	-2	650	-5	-2	29	186	-2	35.5	392	-5	-50	-20	0.3	920	-50	-0.3	37.7	-20	-0.2	111	374	191	42	552	922	1300	495	77.1	17.8	11	34.1	5.8	=
PR-PC-27	28.82	15	-5	-2	-200	-5	-2	23	89	-2	17.8	52	-5	-50	-20	0.37	900	-50	-0.4	89.1	-20	-0.2	44	464	89.6	66	-200	1310	1780	609	115	9.2	13	34.8	5.6	-
PR-PC-28	32.61	-5	-5	-2	-200	-5	14	22	91	-2	17.1	29	-5	-50	-20	0.33	-200	-50	-0.3	105	-20	-0.2	-2	379	51.4	-4	-200	1090	1510	518	107	6.8	16	32.3	5.2	--
PR-PC-30	26.18	-5	-5	-2	-200	-5	-2	22	401	-2	40.8	120	-5	-50	-20	0.4	-200	-50	-0.5	51.2	-20	-0.2	28	910	36.2	99	-200	2960	3640	1010	167	12.7	16	16	3.1	-
PR-PC-42	12.94	29	-5	-2	-200	-5	-2	28	212	-2	23.5	64	-5	-50	-20	0.5	-200	-50	-0.3	106	-20	-0.2	33	333	69	63	-200	981	1570	639	112	12	12	46.5	7.2	++

Activation Laboratories Ltd. - Work Order #19061Report #18889

PANNED CONCENTRATE ANALYTICAL DATA
(from GQ/Anstey Claims)

Element	Mass	Au	Ag	As	Ba	Br	Ca	Co	Cr	Cs	Fe	Hf	Hg	Ir	Mo	Na	Ni	Rb	Sb	Se	Se	Sr	Ta	Th	U	W	Zn	Rare Earth Elements (REE)								
Units	g	ppb	ppm	ppm	ppm	ppm	%	ppm	ppm	ppm	%	ppm	ppm	ppm	ppm	%	ppm	ppm	ppm	ppm	ppm	%	ppm	ppm	ppm	ppm	ppm	La ppm	Ce ppm	Nd ppm	Sm ppm	Eu ppm	Tb ppm	Yb ppm	Lu ppm	Au Relative to Silt
PR-PC 19	17.4	-5	-5	21	-200	-5	-2	18	71	-2	12.3	78	-5	-50	-20	1.08	710	-50	-0.2	79.7	-20	-0.2	-1	720	55	99	-200	2060	2980	1140	212	6.9	19	48.7	7.3	=
PR-PC 20	14.93	-5	-5	-2	1800	-5	-2	12	61	3	4.31	59	-5	-50	-20	1.46	-200	66	-0.2	21.9	-20	-0.2	9	347	24.9	42	-200	953	1390	534	91.5	4.9	9	15.2	2.6	=
PR-PC 21	21.14	-5	-5	9	1700	-5	-2	16	225	-2	8.72	40	-5	-50	-20	1.13	-200	80	-0.2	60.1	-20	-0.2	-1	342	28.1	18	320	810	1210	405	88.2	3.6	11	39.3	6	=
PR-PC 22	18.46	26	-5	-2	-200	-5	-2	-5	78	-2	8.4	56	-5	-50	-20	0.97	-200	-50	-0.2	49.2	-20	-0.2	-1	590	30.7	-4	-200	1680	2620	1050	175	8.6	17	24.1	3.3	=
PR-PC 40	22.74	-5	-5	2	770	-5	-2	17	112	-2	10.5	19	-5	-50	-20	0.68	-200	-50	0.5	18.3	-20	-0.2	7	48	9.2	12	-200	302	457	152	25.8	4	3	10.1	1.6	=
PR-PC 41	22.33	300	-5	13	-200	-5	-2	16	75	-2	13.3	60	-5	-50	-20	0.45	-200	-50	-0.2	61.5	-20	-0.2	12	638	61	70	-200	1850	2590	1010	162	8.6	18	28.4	4.4	+
PR-PC 44	15.49	-5	-5	-2	980	-5	-2	20	340	-2	4.83	94	-5	-50	-20	1.35	-200	-50	-0.2	33.2	-20	-0.2	17	980	56.4	82	-200	2490	3550	1310	235	7.5	20	22.1	3.2	=
PR-PC 45	16.9	-5	-5	-2	810	-5	-2	27	613	-2	8.34	38	-5	-50	-20	0.97	-200	-50	-0.2	41.5	-20	-0.2	7	302	18.2	29	-200	804	1180	437	85	4.1	7	17.6	2.6	=
PR-PC 46	22.26	27	-5	-2	-200	-5	-2	-5	25	-2	11	66	-5	-50	-20	0.86	-200	-50	-0.2	71.5	-20	-0.2	-1	1320	55.5	69	-200	3360	4350	1530	267	13	24	33.3	5	++
PR-PC 47	23.31	23	-5	-2	-200	-5	-2	-5	93	-2	11.5	104	-5	-50	-20	0.48	-200	-50	-0.2	61.5	-20	-0.2	-1	916	64.4	176	-200	2550	3420	1200	208	10.7	27	32.3	5.1	+++
PR-PC 48	20.54	-5	-5	-2	-200	-5	-2	27	255	-2	14.7	40	-5	-50	-20	0.92	-200	-50	-0.2	81.9	-20	-0.2	-1	540	20.4	-4	-200	1570	2200	864	137	8	13	25	4.3	=
PR-PC 49	20.6	33	-5	-2	-200	15	-2	37	86	-2	13.6	106	-5	-50	-20	0.41	-200	-50	-0.2	63.1	-20	-0.2	-1	1510	93.5	216	620	3920	5010	1750	346	12	35	52.4	8.4	++
PR-PC 50	22.67	18	-5	-2	1200	-5	9	27	143	-2	11.2	40	-5	-50	-20	0.77	-200	-50	-0.2	61.1	-20	-0.2	-1	473	45.3	99	-200	1360	1920	697	121	6.3	13	25.6	4	++
PR-PC 51	12.56	-5	-5	9	-200	-5	-2	28	154	-2	12.4	49	-5	-50	-20	0.67	770	-50	-0.2	56.6	-20	-0.2	-1	507	68.9	121	426	1330	1900	685	113	5.6	12	26.2	4.2	-
PR-PC 58	20.18	-5	-5	-2	1400	-5	-2	8	-10	-2	5.06	32	-5	-50	-20	1.34	534	86	0.5	31.6	-20	-0.2	-1	290	17.3	18	-200	756	1140	444	77	4	6	13.5	2.1	=
PR-PC 59	16.34	-5	-5	-2	1200	-5	-1	8	48	-2	4.31	23	-5	-50	-20	1.46	-200	70	-0.2	21.9	-20	-0.2	-1	186	10.8	5	-200	510	836	328	57.2	3.1	6	10.5	1.7	=

Activation Laboratories Ltd. - Work Order #19063 Report #18900

RESULTS

The field program resulted in the discovery of several new mineral occurrences and anomalous drainages. These discoveries prompted the staking of two claim blocks near the headwaters of Second and Third Creeks. Program data is presented on a series of maps (Figures 5 – 11). Following is a discussion of the results.

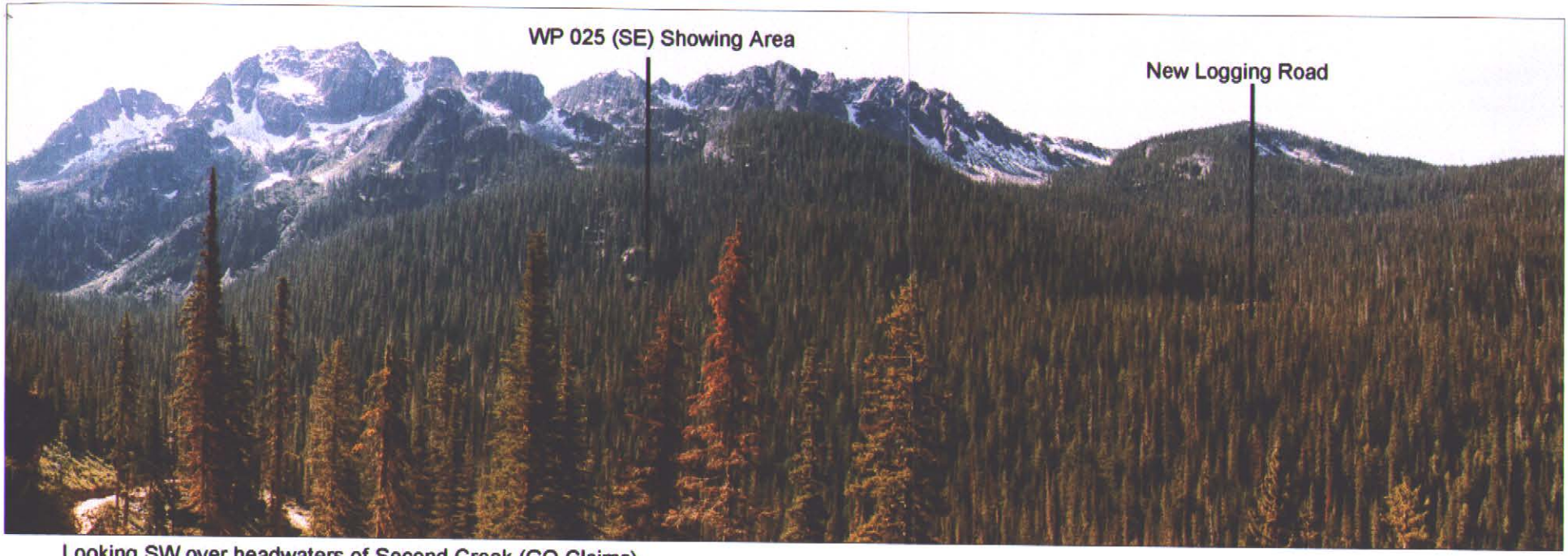
Prospecting:

In the Second Creek valley, five new mineral occurrences were discovered along recently constructed logging roads (Figure 5). A common observation is that the mineralization occurs adjacent to or near pegmatite bodies where they contact marble, calc-silicate or schist. Mineralization consists of 10-40 cm wide lenses comprised of quartz, calc-silicates and fine-grained sulphides. All showings display an unusual "granular" texture with infillings of predominantly pyrrhotite and lesser amounts of chalcopyrite and scheelite. Sulphide content ranges from 10 to 30%.

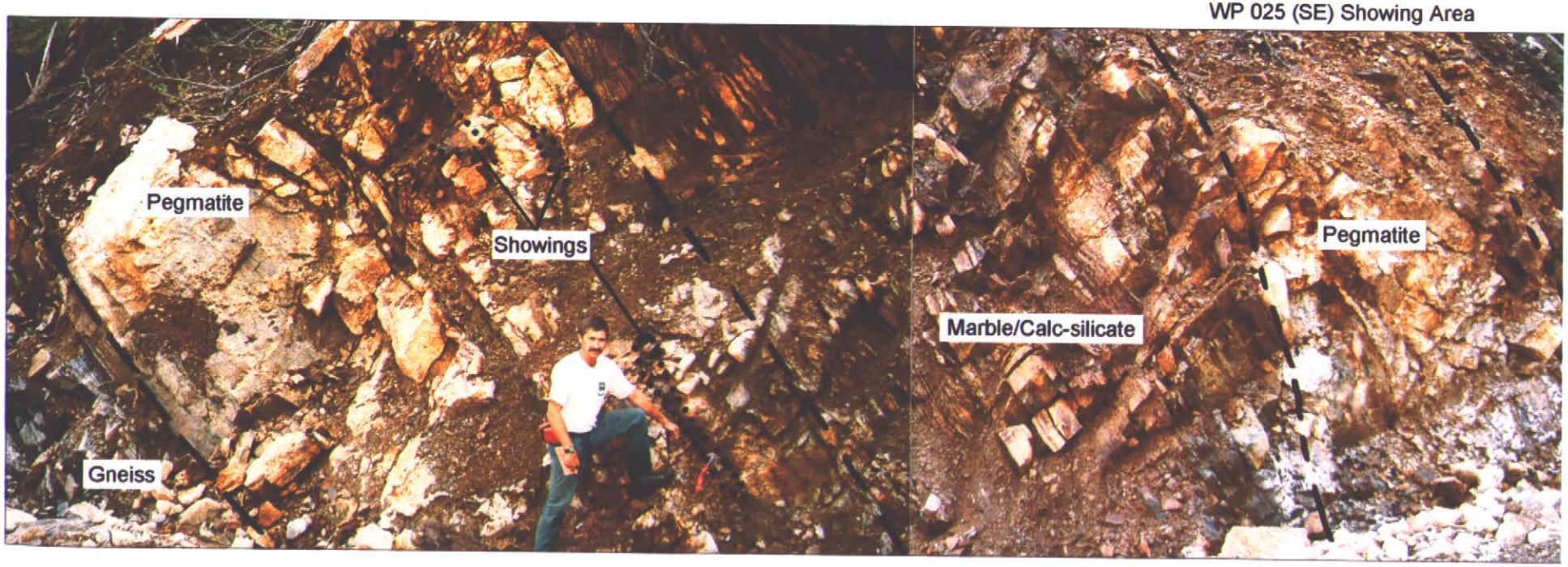
These occurrences contain varying, but anomalous, amounts of copper, gold, bismuth, tellurium and tungsten. Several of the showings also contained significant amounts of beryllium. Spatially, the showings are found over an area in excess of 1.5 x 1.5 kilometres that straddles the upper reaches of Second Creek (Figure 5). Highlights include a 20 cm sample (WP 023 - "SW" showing) that contains 1580 ppb Au, 225 ppm Bi, 11.2 ppm Te and 33.6 ppm W.

Approximately 1.5 km ESE, a 25 cm float boulder was found along the same road. This sample contains 2980 ppb Au, 156 ppm Bi, 502 ppm Cu, 16.45 ppm Te and 26.8 ppm W (SCS-10+25R). Northeast and across Second Creek valley are three showings one of which contains 1250 ppb Au across 0.3 metres (WP 032 - "NE" showings). Two other showings further northeast contain very high amounts of tungsten (8660 and 429 ppm). None of these showings contain appreciable amounts of arsenic or antimony.

Prospecting also resulted in the discovery of mineralization in other areas. Found along Third Creek was limonitic float from a small roadside pit (WP 041). This sample of hornblendite(?) contains high concentrations of magnetite (20%) along with 0.11% copper. The source is thought to be southeasterly within Third Creek. Another mineralized float boulder (WP 096) was discovered along the south flank of Second Creek near the NW corner of the GQ claims. The rock is very siliceous and contains a band of semi-massive pyrrhotite, 0.1% Cu and 25 ppb Au. This rock does not appear to be related to the road occurrences 1.5 km+ to the southeast. Situated along the north portion of the Gorge Creek road is an unusual occurrence of large (1 to 3 metre) boulders of very rusty gneiss containing abundant graphite (WP 082). These rocks were unusual in their high concentrations of manganese (>10,000 ppm), phosphorous (3430 ppm) and vanadium (380 ppm). In addition, these float boulders contain anomalous bismuth, copper, chromium and weakly anomalous gold. The source area of these large boulders is not known, however they were likely transported by glaciation along the Anstey River valley. These, and the above float occurrences, do not contain any appreciable amounts of arsenic.



Looking SW over headwaters of Second Creek (GQ Claims)



Stream Sampling:

Stream sampling yielded ten samples containing ≥10 ppb Au. With the exception of PR SL-05 and 10, all anomalous sites occur in the southwest sector of the project area. Late season follow-up of PR SL-05 with samples PR SL-54, 55 failed to detect any indications of upstream gold mineralization. Given that this was a "gold only" anomaly, this sample has been assigned a low priority for follow-up.

On drainages with an RGS site nearby, there was a fair correlation for gold. Second Creek, however was not RGS sampled. The only sample on Third Creek was collected near the lower part of the drainage and did not detect anomalous gold (Figure 6).

Anomalous gold and tungsten were indicated in sample PR SL-22 at the headwaters of Second Creek. In light of the new mineral discoveries, further follow-up stream sampling was conducted. Upstream sampling revealed elevated gold, bismuth and especially tungsten in stream sample PR-SL-46. This was further substantiated by the discovery of angular float (PR 46R) that contains anomalous amounts of gold, bismuth, copper and very high tungsten. This suggests exploration potential uphill and southwest of the float sample. Another drainage, PR SL-49 contained 15 ppb gold and anomalous tungsten. It is believed that this sample may reflect in part the gold and tungsten mineralization found on the north side of Second Creek. Detailed stream sampling along the south side of Second Creek delineated two drainages with highly anomalous tungsten (Figure 9).

In Third Creek, follow-up of sample PR SL-27 (35 ppb Au), the second highest gold of the primary survey, resulted in the discovery of a small but highly anomalous drainage 1.4 km upstream. Sample PR SL-41 yielded by far the highest values for gold, bismuth, tellurium and the second highest tungsten (Table I). The source of this small drainage is from a cirque and a rusty ridge that can also be seen from the Second Creek valley. Second order follow-up sampling (PR SL-50, 51) yielded weak gold, but distinctly anomalous bismuth, tellurium and tungsten. This prompted the staking of the Anstey 1 claim in October, 1999.

Panned Concentrates:

Two groups of panned concentrates were analyzed by INAA (Table III). The largest group of 16 samples applies to the claims and is to be utilized for assessment work. The analytical charges therefore are not submitted as part of the project costs.

Most of the silt samples with anomalous gold had corresponding panned concentrates with equal or higher gold content. The highest silt sample of the survey (PR SL-41) at 220 ppb Au has a panned concentrate that contains 300 ppb Au. Some samples, however, display a more dramatic variance. An example is sample PR PC-47 that contains 23 ppb Au, yet the silt contained <1 ppb Au. Other samples that display high ratio increases are PR PC-42, 46, 47, 49 and 50. On the other hand, some panned concentrates contained less gold than their silt counterpart such as PR PC-27, 28, and 51. Of the 22 panned concentrates, 18 contained equal or greater gold than the corresponding silt sample.

For all other elements tested the "PCs", not surprisingly, contained higher amounts than their silt counterparts. High ratio increases were observed in elements such as chromium, nickel, rare earth elements and especially tungsten.

This is mainly due to the higher specific gravity associated with the "parent" minerals such as monazite and scheelite.

Rare Earth Mineralization:

Four silt samples containing elevated REEs were revealed from the sampling program. These are presented on Figures 10 and 11 and described as follows:

PR-SL -01: This sample, collected in the northeast corner of the survey area, was most significant for it's rare earth content. Extended whole rock analysis was requested because of the "over limits" for cerium, lanthanum, niobium and neodymium. The silt sample contains an impressive .75% REE (Table I). A stratabound carbonatite unit mapped upstream of the sample site (Journeay, 1983) is the likely source of the REE mineralization. This is thought to be the same carbonatite tested by Teck during the 1980s.

PR-SL -07: This sample, collected from an east flowing tributary of the Perry River, yielded the highest niobium and tantalum values of the survey. The geochemical signature differs considerably from PR SL-01 in that the cerium and lanthanum content is much lower. This may suggest that a different host rock is responsible for this anomaly. Follow-up of this sample is definitely warranted.

PR-SL-15: This sample, collected from a tributary of First Creek, contained high amounts of monazite. Float indications reveal a very high percentage of granitic float suggesting that an REE enriched intrusive is found upstream. Interestingly, upstream along a logging road is an exposure of hornblende syenite(?), a rock not seen elsewhere on the project area. Testing of the hand specimen (WP-022) for REEs may be warranted.

PR-SL-42: This sample, collected from a small tributary near the headwaters of Third Creek, contains anomalous niobium and the second highest tantalum of the survey. Geochemically, this sample has similarities with PR SL-07. It is conceivable that a mineralized carbonatite or other host rock may trend northerly along the height of land and may serve to explain the niobium and tantalum contained in both PR SL-42 and 07. Potentially related is rock sample WP 053BR, located 1.5 km north-northwest. At this site, a west dipping carbonatite unit was found to contain anomalous amounts of cerium, lanthanum and niobium and very high amounts of manganese, phosphorous and strontium. Follow-up of the silt and rock samples is warranted.

Soil Sampling:

Soils were collected in two areas, namely Third Creek (TCS Series) and the Second Creek Road (SCS Series). The TCS soils, collected along a road cut with very limonitic soil and rusty seepages, did not reveal any significant metal content. The SCS soils, collected to test several showing areas, yielded a few weakly anomalous gold values. The latter samples and their associated costs are to be used for assessment purposes and are thus not included in the expenditures of this project.

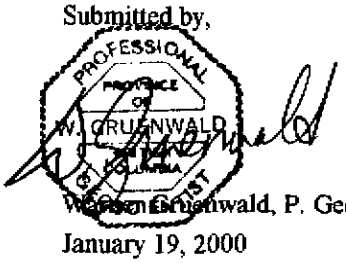
CONCLUSIONS AND RECOMMENDATIONS

The Perry River project was successful, resulting in the discovery of new mineral showings and anomalous drainages in an under-explored area of southern British Columbia. Five new showings were discovered along recently constructed logging roads in Second Creek. Anomalous amounts of gold, bismuth, copper, tellurium and tungsten are associated with these showings – a geochemical suite similar to that observed with some intrusion related gold deposits. All of the showings occur in metamorphic rocks that are proximal to intrusive rocks.

Follow-up sampling of an anomalous stream in Third Creek yielded a sample with the highest gold, bismuth and tellurium content of the survey. This discovery, and the new mineral showings, prompted the staking of two claim blocks. Anomalous amounts of rare earth elements were also reported in stream samples, which may point to as yet undiscovered mineral occurrences. These anomalies remain untested.

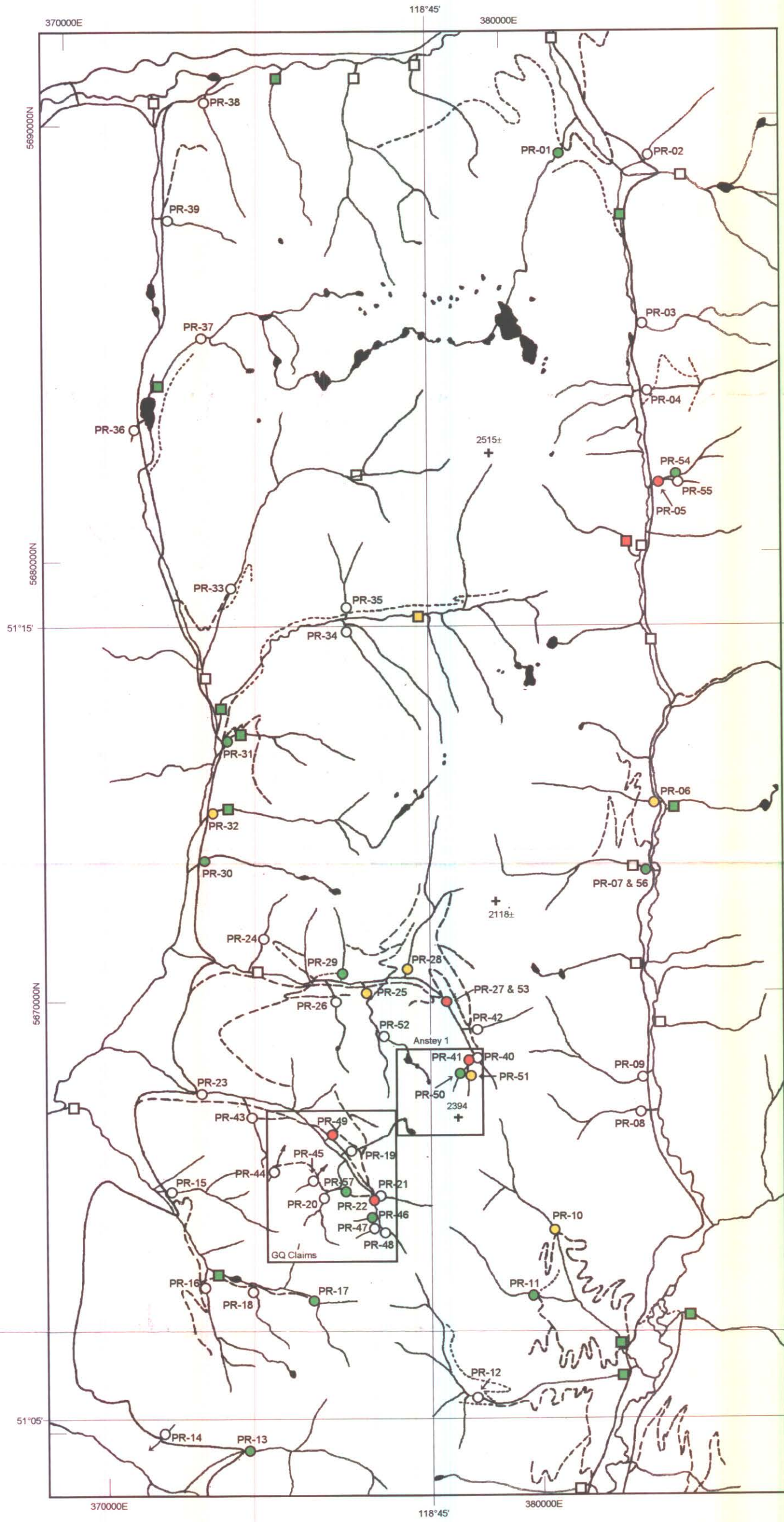
Although this was a grass roots exploration program, the discoveries made thus far demonstrate exploration potential for the project area. Further exploration of the Second and Third Creek valleys is warranted and should include detailed geochemical sampling, prospecting and mapping. Several stream anomalies also indicate exploration potential for rare earth elements.

Submitted by,



Werner Gruenwald, P. Geo.
January 19, 2000

MAPS



PROSPECTORS ASSISTANCE PROGRAM - 1999

PERRY RIVER PROJECT

Geochemical Plan - Gold

NTS Map No.: 082M/02, 07
Scale: 1:100,000

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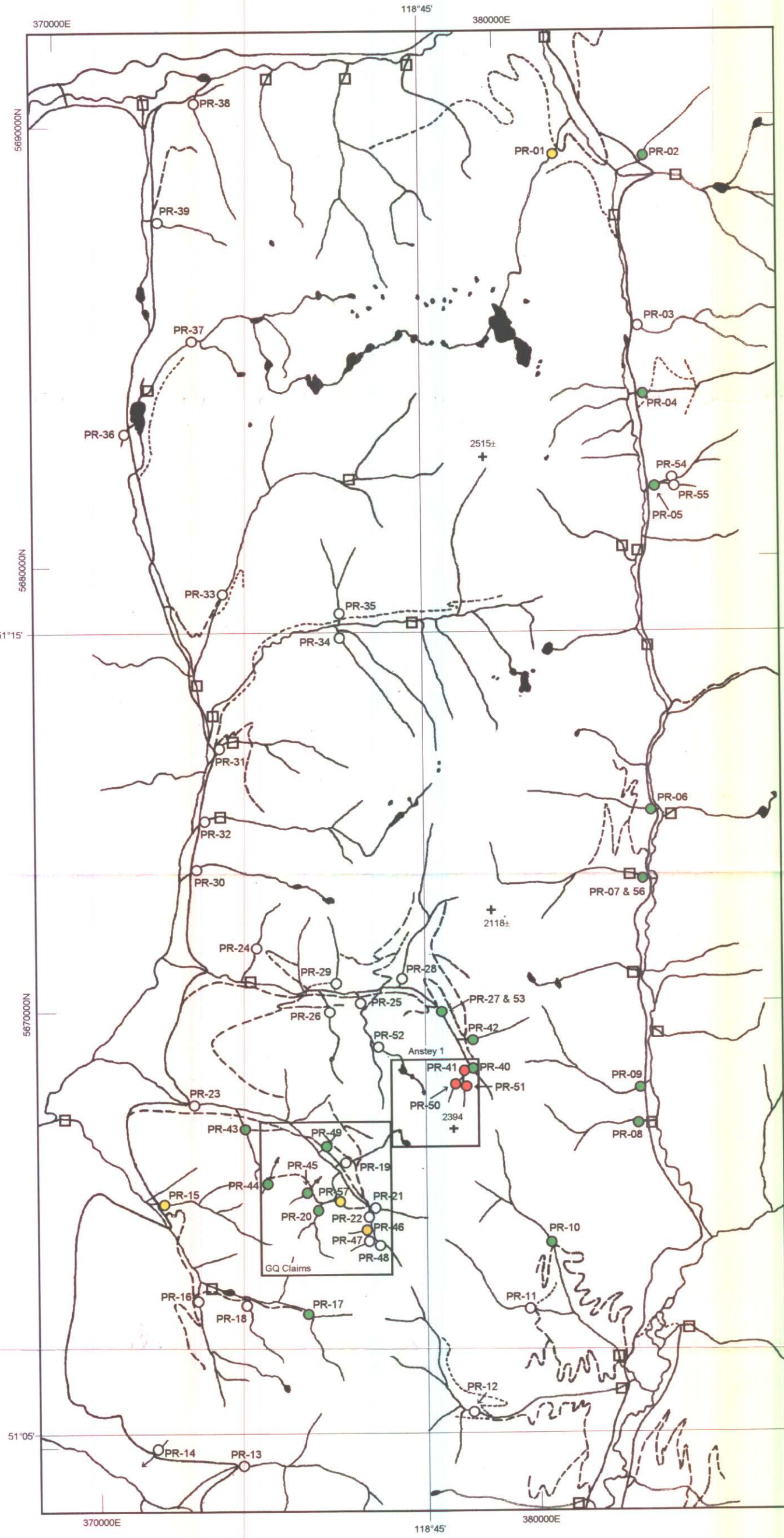
PROVINCE OF BRITISH COLUMBIA
W. GRUENWALD
GEOSCIENTIST

99-26 Pg. 30

Figure: 6



PROSPECTORS ASSISTANCE PROGRAM - 1999

PERRY RIVER PROJECT

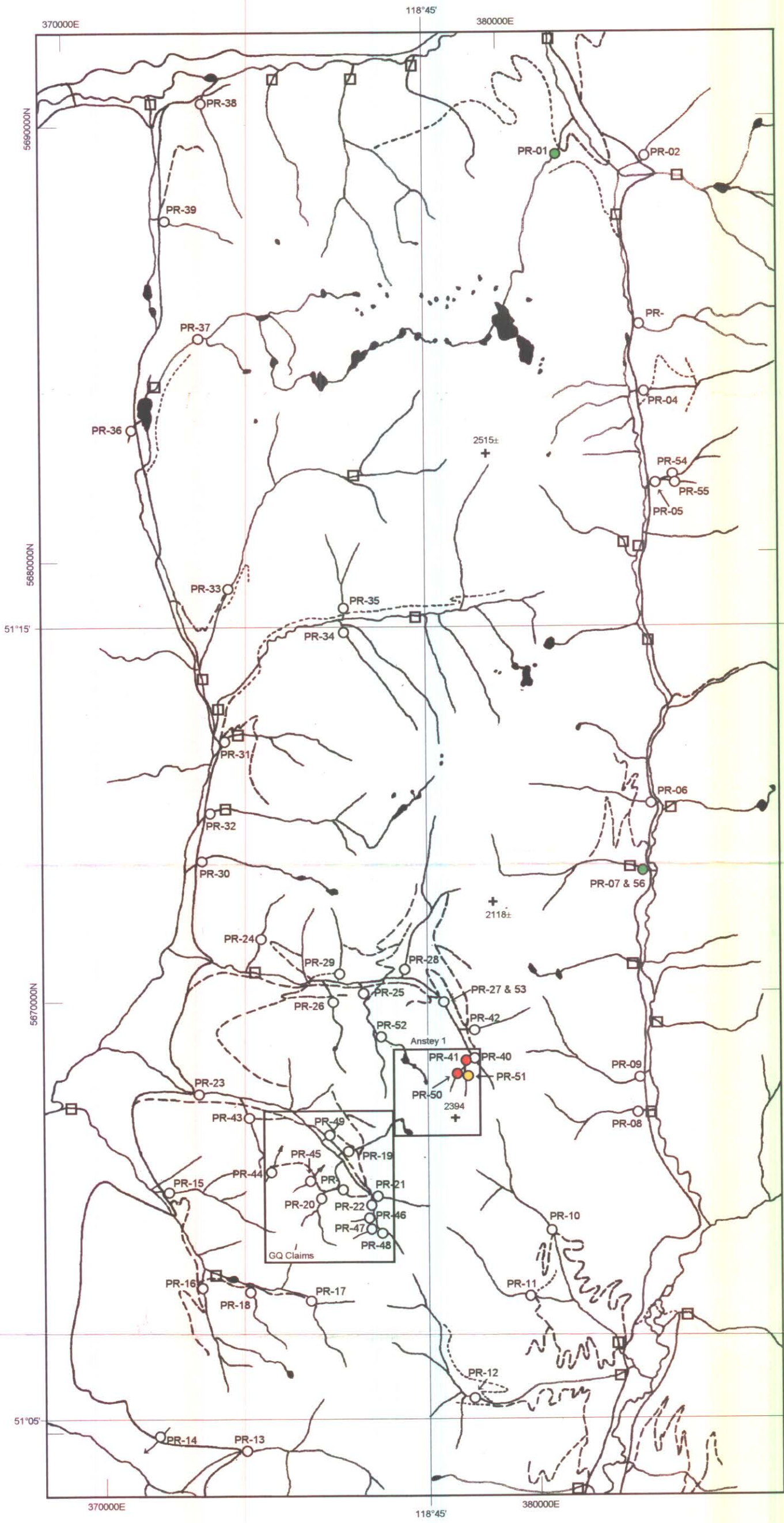
Geochemical Plan - Bismuth

NTS Map No.: 082M/02,07
Scale: 1:100,000

PROFESSIONAL ENGINEER
PROVINCE OF BRITISH COLUMBIA
W. GRUENWALD
GEOSCIENTIST

99-26 Pg.31

Figure: 7



N

082M/7

082M/2

National Topographic System
UTM Projection
NAD 27
UTM Grid Zone 11U

GEOCHEMICAL CATEGORIES

- <.10 ppm Te
- .10 - .25 ppm Te
- .25 - .50 ppm Te
- >.50 ppm Te

LEGEND

- Creek
- Lake
- Major Logging Road
- Secondary Logging Road
- Overgrown Road/Trail
- \+ Mountain Top Elevation (m)
- Claim Boundary
- PR-08 Silt & Panned Concentrate Sample Location
- Regional Geochemical Sample Location

PROSPECTORS ASSISTANCE PROGRAM - 1999

PERRY RIVER PROJECT

Geochemical Plan - Tellurium

NTS Map No.: 082M/02,07
Scale: 1:100,000

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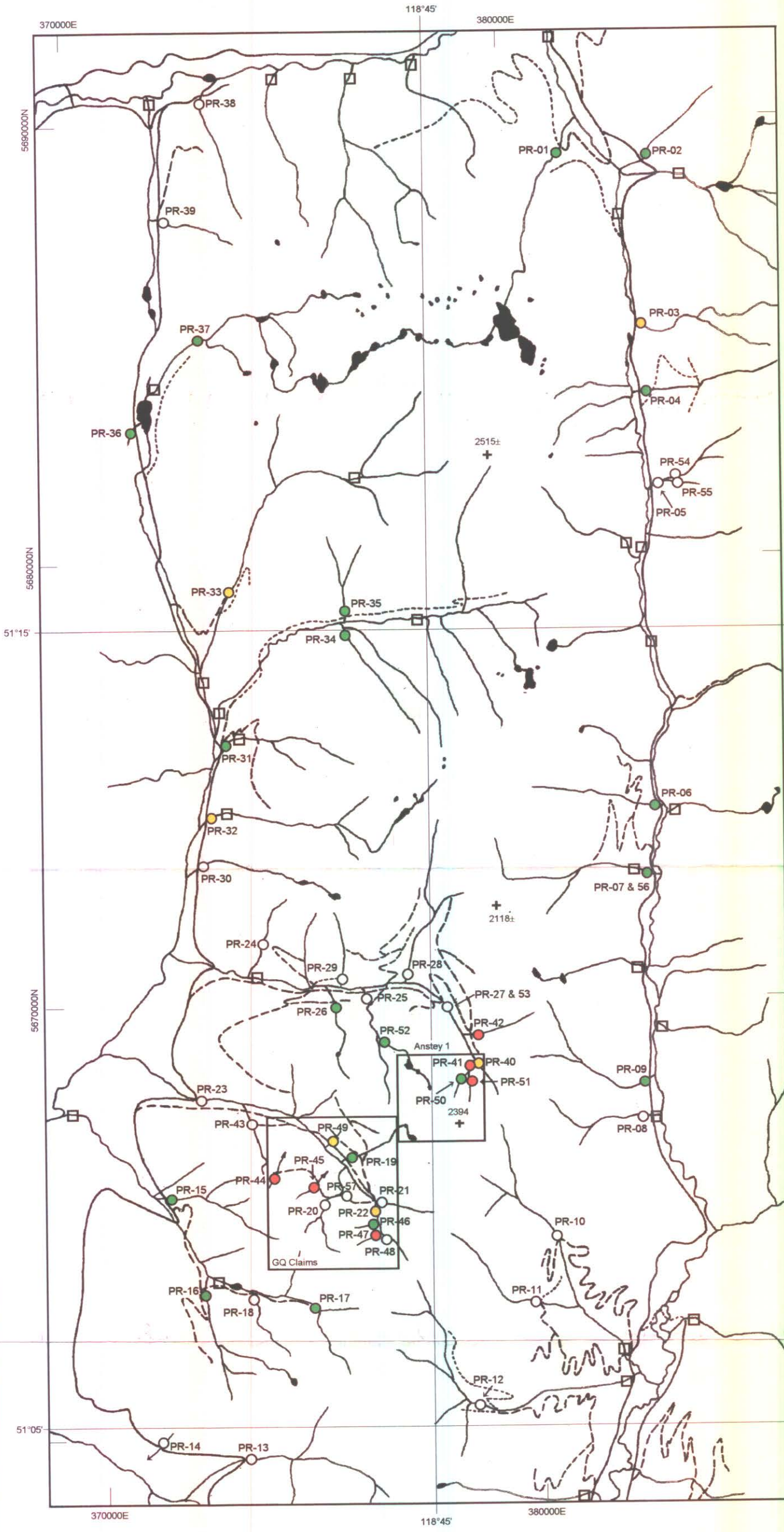
99-26 Pg. 32

Figure: 8



PROSPECTORS ASSISTANCE PROGRAM - 1999

PERRY RIVER PROJECT

Geochemical Plan - Tungsten

NTS Map No.: 082M/02,07
Scale: 1:100,000

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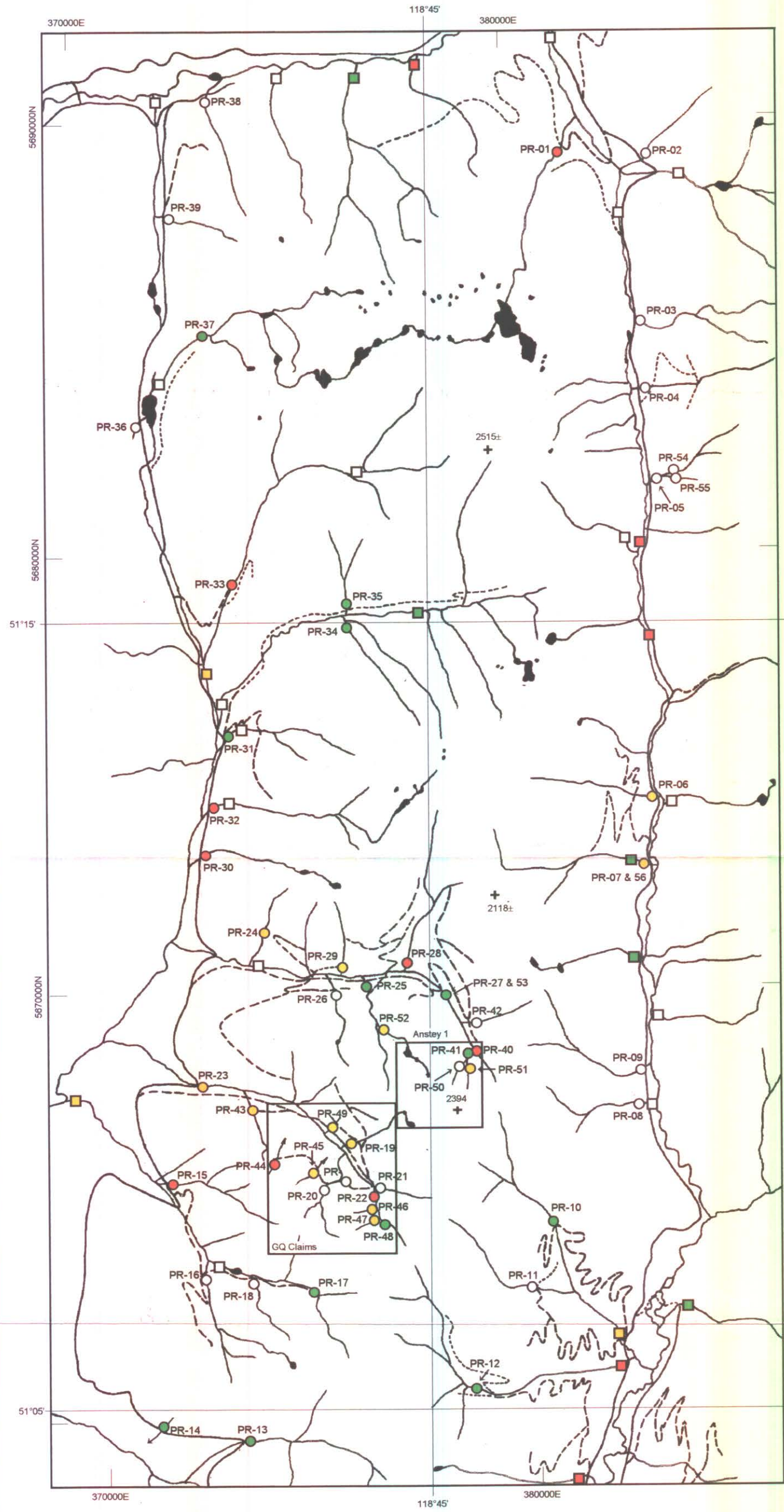
GEOSCIENTIST

99-26 P9 33

Figure: 9



N

082M/7

082M/2

National Topographic System
UTM Projection
NAD 27
UTM Grid Zone 11U

GEOCHEMICAL CATEGORIES
(combined Ce + La)

□ ○	<400 ppm
■ ●	400 - 550 ppm
■ ●	551– 750 ppm
■ ●	>750 ppm

LEGEND

- Creek
- Lake
- Major Logging Road
- Secondary Logging Road
- Overgrown Road/Trail
- \+ Mountain Top Elevation (m)
- Claim Boundary
- ○ PR-08 Silt & Panned Concentrate Sample Location
- □ Regional Geochemical Sample Location

PROSPECTORS ASSISTANCE PROGRAM - 1999

PERRY RIVER PROJECT

Geochemical Plan - Cerium + Lanthanum

NTS Map No.: 082M/02,07
Scale: 1:100,000

99-26 pg. 34

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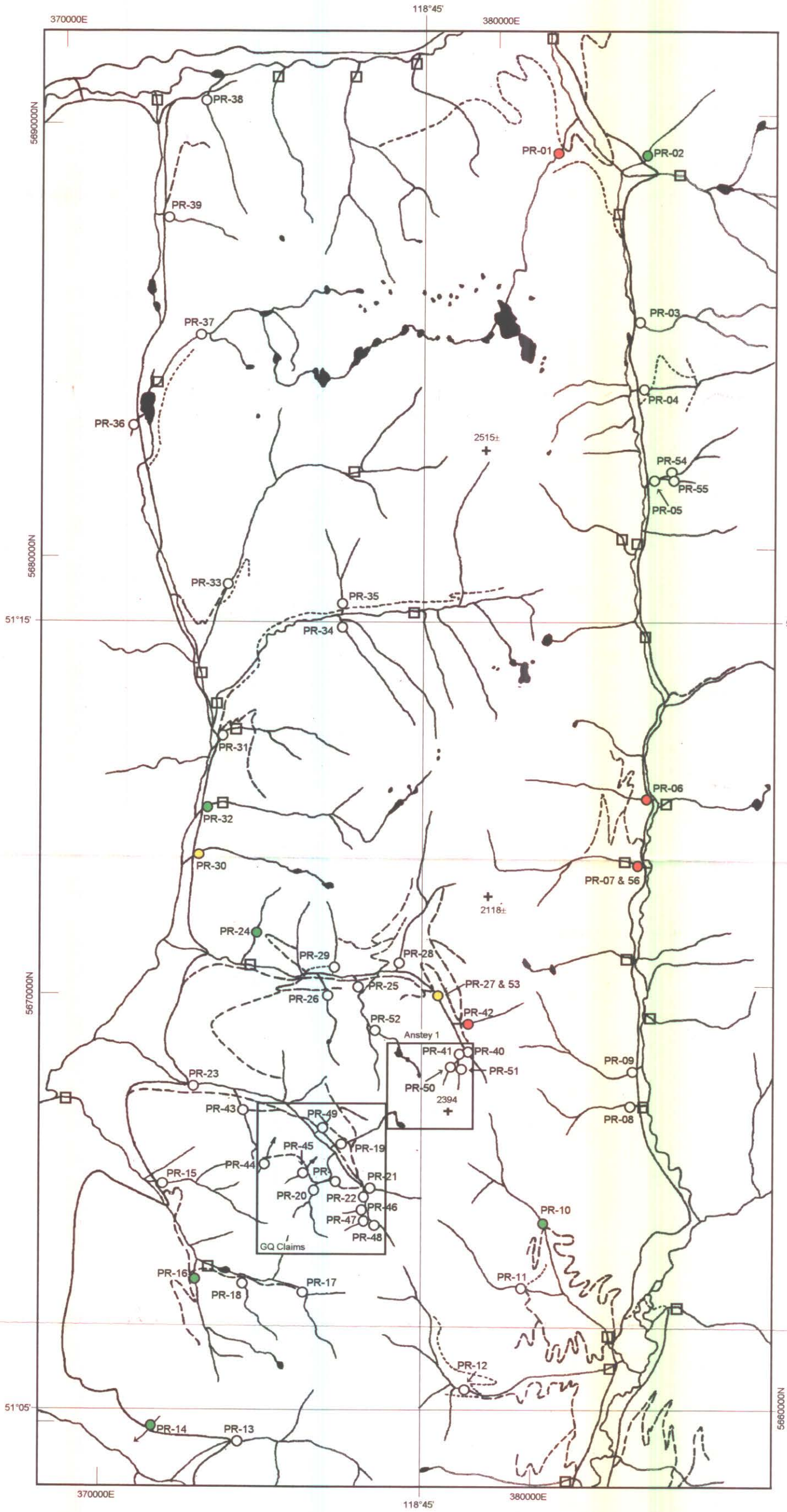
Figure: 10



PROSPECTORS ASSISTANCE PROGRAM - 1999

PERRY RIVER PROJECT

Geochemical Plan - Niobium + Tantalum

NTS Map No.: 082M/02,07
Scale: 1:100,000

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99-26 PG 35

Figure: 11

APPENDIX A

STREAM SAMPLING FIELD DATA

STREAM SAMPLING FIELD DATA

Sample Site	Map No.	UTM Coordinates		Elev. (Ft)	Stream Data			Comments
		Easting	Northing		Source	Width (m)	Slope (%)	
PR-1	82M/7	0381391	5689852	2900	160°	6.0	2.0	**Float:** Schist and gneiss with some mafic metamorphic rocks.
PR-2	82M/7	0382958	5689284	3000	108°	3.0	13.0	**Float:** Gneiss and quartzite. Few mafic rocks. No intrusive float.
PR-3	82M/7	0382862	5685711	3640	140°	6.0	7.0	**Float:** Abundant white to grey quartzitic float with lesser gneiss. ~5% limonitic float.
PR-4	82M/7	0382994	5684013	3820	110°	3.0	25.0	**Sample Site:** ~30 m upstream of road. **Float:** Predominantly siliceous metamorphics. No intrusives seen. 2-3% coarse amphibolite rocks.
PR-5	82M/7	0383176	5681824	3480	070°	2.0	13.0	**Float:** Predominantly siliceous metamorphics such as quartzite. Well banded gneisses and schist common.
PR-6	82M/7	0383068	5674470	2380	290°	5.0	18.5	**Sample Site:** ~35 m upstream of bridge. **Float:** Gneiss 60%, schist 20% and limonitic rocks 5%. Minor granitic and pegmatitic float.
PR-7	82M/7	0382628	5673012	2380	300°	3-4	19.5	**Sample Site:** ~ 45-50 m upstream of bridge. **Float:** Grey gneiss>schist, 10% fine grained, feldspar rich intrusive. 5-10% quartz (metamorphic). 5% weakly limonitic float.
PR-8	82M/7	0382581	5667599	2120	210°	2.5-3	27.0	**Sample site:** ~60 m upstream of Perry River Road. **Float:** Gneiss ± garnet, quartzite, quartz-muse schist with minor siliceous intrusives 5-7% weakly limonitic rock, 5-10% quartz.
PR-9	82M/7	0382600	5668178	2120	230°	1-3	25.0	**Sample Site:** In several areas of creek due to steep slope. **Float:** Largest % of float = gneiss, lesser schist. Noted several boulders of pinkish pegmatite. 2-3% limonitic float.
PR-10	82M/2	0380449	5664511	4000	173°	3-4	3.5	**Sample Site:** 30 m upstream of bridge. **Float:** Mixed schist, quartzite and pegmatite. Good silt.
PR-11	82M/2	0379952	5663101	3800	290°	2-3	36.5	**Sample site:** 50 m upstream of washed out bridge. Very rocky creek. **Float:** Numerous rock types – pegmatite, granite, schist, gneiss. High silica content.
PR-12	82M/2	0378352	5660710	4000	315°	3	3.5	**Float:** Pegmatite, gneiss, lesser schist. Suspect granitic intrusive and fine grained mafic dyke material.
PR-13	82M/2	0373081	5659669	4400	090°	3-4	17.5	**Float:** 75% intrusive (including pegmatites). Intrusive generally acidic (granite-gdi). Rest = gneiss, quartz and minor brown fine grained dyke rocks.
PR-14	82M/2	0371169	5659963	4080	080°	0.7-1	28.5	**Sample Site:** Small but well incised creek. **Float:** Very angular with 80% pinkish brown granite (quartz >10%). High Kspar.
PR-15	82M/2	0371185	5665864	3080	115°	1-1.5	9.5	**Float:** ≥90% granitic. Generally medium to coarse grained with some pegmatite. Minor gneiss and schist.
PR-16	82M/2	0372263	5663502	4220	168°	2-3	5.0	**Float:** 90%+ granitic float with 5%± dark grey, fine grained dyke rock and rest gneiss, quartz, misc.
PR-17	82M/2	0374402	5663107	4200	105°	3-3.5	5.0	**Float:** 85-90% intrusive with 10% schistose rocks. ~10% limonitic float.

STREAM SAMPLING FIELD DATA

Sample Site	Map No.	UTM Coordinates		Elev. (Ft)	Stream Data			Comments
		Easting	Northing		Source	Width (m)	Slope (%)	
PR-18	82M/2	0373394	5663409	4500	185°	1.0	55.0	**Float:** 95% Granitic with high Kspar content. 5% dark grey dyke, miscellaneous.
PR-19	82M/2	0375613	5666553	4500	030°	2-3	33.0	**Sample site:** ~ 50 m upstream of road. **Float:** 50-70% granitic float with lesser gneiss, schist 2-3% limonitic float pegmatitic material 5-10%.
PR-20	82M/2	0375173	5665693	5160	225°	1.5	33.0	**Float:** Predominantly felsic intrusive and granite pegmatite.
PR-21	82M/2	0376143	5665531	4900	090°	1.5-2	25.0	**Float:** Still predominantly felsic, often coarse grained intrusive with 20%± dark, finer grained schist, gneiss. Few % limonitic rocks.
PR-22	82M/2	0376060	5665527	4920	150°	2-3	10.5	**Sample site:** ~ 60 m upstream of bridge. **Float:** Felsic intrusive float predominates – lesser schist/gneiss 30%±.
PR-23	82M/2	0372438	5667931	3080	090°	4-5	9.0	**Float:** 60% ±felsic intrusives with rest gneiss, schist.
PR-24	82M/2	0373911	5671401	3940	010°	1-1.5	33.0	**Float:** Strong concentration of felsic intrusives often coarse grained. Quartz pebbles to 2-3 cm – probably from pegmatite. 5% limonite rocks. Trace dark green dyke, 20-30% metamorphic rocks.
PR-25	82M/2	0376205	5670277	3940	180°	2-2.5	31.0	**Sample site:** ~60 m upstream of road. **Float:** Mixed granite, pegmatite and metamorphics.
PR-26	82M/2	0375478	5670095	4200	170°	~1.5	51.0	**Site:** Outcrop of grey-green, fine-grained, basaltic dyke cutting metamorphic rocks. Trend = 195°. **Float:** Mixed metamorphic, intrusive and dyke rock.
PR-27	82M/2	0377913	5670148	4280	165°	3.0	7.0	**Sample site:** Just above bridge. **Float:** Highly variable. Intrusives ~30-40%, gneiss/schist 40%. Dark green amphibolite 10-15%. **NOTE:** Much more geologic diversity in float than seen elsewhere in Third Creek valley. More mafic rocks noted especially fine to coarse grained amphibolite rich rocks which often contain high garnet. Most of these rocks are weak to moderately magnetic.
PR-28	82M/2	0377183	5670663	4080	020°	3-4	12.0	**Float:** High content metamorphic rocks – quartzite, gneiss, schist. Only ~10-15% intrusives and pegmatite. Some mafic (amphibolites), 5% limonitic rocks.
PR-29	82M/2	0375653	5670629	3760	035°	~1.0	19.5	**Sample site:** 75 m at 165° from end of short spur road. **Float:** Predominantly fine grained gneiss and schist with 30% intrusive and pegmatites, minor amphibolite and grey dyke float.
PR-30	82M/2	0372501	5673385	2640	067°	1.5	14.0	**Float:** Variable float – intrusives and metamorphics with considerable fine to medium grained mafic rocks.
PR-31	82M/2	0373200	5676050	3000	090°	2.5-3	17.5	**Float:** Variable. Intrusives and pegmatites ~20-25%. Mafic rich intrusive?/gneiss 30-40%. Schist and gneiss and quartzite 30%. 5% quartz, dykes misc.

STREAM SAMPLING FIELD DATA

Sample Site	Map No.	UTM Coordinates		Elev. (Ft)	Stream Data			Comments
		Easting	Northing		Source	Width (m)	Slope (%)	
PR-32	82M/2	0372741	5674415	2800	060°	4	7.0	**Sample Site:** 35 m upstream of bridge. **Float:** 60% fine to medium grained metamorphics – schist/gneiss, high mafic content. 30% intrusive with 5 to 10% felsic types. Occasional piece with pink Kspar. 10% quartz, dyke rock.
PR-33	82M/7	0373458	5679650	3380	045°	4-5	~3.0	**Sample Site:** Near upstream portion of 250-350 m long landslide debris from east side of creek. **Float:** Mixed metamorphics – schist ≥gneiss. 15-20% coarse grained felsic intrusive and pegmatite. ~10% of float is quite limonitic and usually mafic schists. Large parts of creek downstream for 200-300 m is limonite stained.
PR-34	82M/2	0376018	5678682	3500	160°	3-4	25.0	**Sample Site:** 50 m west of edge of old clearcut. **Float:** Predominantly metamorphic schist, quartzite, 10% pegmatitic.
PR-35	82M/7	0375971	5678973	3440	010°	≤1	20.0	**Sample Site:** Along logging road 50 metres upstream of branch road used to access PR-34 **Float:** Predominantly metamorphic with minor pegmatitic material. Many metamorphics and garnetiferous.
PR-36	82M/7	0371339	5683552	3660	290°	1	38.0	**Sample Site:** 15 m above road. **Float:** Mixed metamorphics – schist, gneiss, minor green calc silicates? Minor dyke and pegmatite (10%). Some quartz vein fragments.
PR-37	82M/7	0372951	5685505	3900	090°	5-8	3.0	**Sample Site:** Middle of creek on large gravel bar. **Float:** 75% metamorphics (Gneiss, schist, quartzite) 15% felsic intrusives (pegmatite, dykes etc.) 10% green calc-silicates; fine grained grey-green dyke rock, amphibolites. 5% of all float is limonitic.
PR-38	82M/7	0373062	5691037	2020	160°	1.5	15.0	**Sample Site:** ~400 m ENE of switchback in lower Mosquito Creek Road. **Float:** Metamorphic rocks predominate. 10-15% felsic intrusive including pegmatite.
PR-39	82M/7	0372182	5688227	3000	120°	1-1.5	17.0	**Sample Site:** Km 59.5, Gorge Road **Float:** Predominantly metamorphic ~5-10% green calc-silicates. Some grey fine grained intrusive similar to that on spur road to north. Some green to pinkish calc-silicate and amphibolitic schists.
PR-40	82M/2	0378808	5668745	4780	150°	2-2.5	3.5	**Sample Site:** In large alder slide zone ~1.7 km upstream PR-27 (35 ppb Au). **Float:** 40-50% white granite pegmatite with remainder metamorphics. Minor pale greenish calc-silicate/amphibole rocks. At least 30-40% of float is somewhat limonitic. Also ~5% white quartz fragments up to 5 cm – may be from breakdown of pegmatites and quartz veins.

STREAM SAMPLING FIELD DATA

Sample Site	Map No.	UTM Coordinates		Elev. (Ft)	Stream Data			Comments
		Easting	Northing		Source	Width (m)	Slope (%)	
PR-41	82M/2	0378949	5668646	4820	240°	1.5	15.0	**Sample Site**: On tributary creek at least 50 m WSW of PR-40. **Float:** 60% grey metamorphics (Biotite schist, quartzite and amphibolite rocks) 30% pegmatite often coarse grained. 1-2% quartz, 30% of float is limonitic. 5% granitic intrusive? (dykes).
PR-42	82M/2	0378640	5669395	4720	120°	2	15.0	**Sample Site:** 30 m SE of Spur Road junction (WP 058). **Float:** 80% metamorphics (schist, quartzite, gneiss) Remainder includes green-calc-silicate 5%, pegmatite and intrusives 10%, quartz 2-3%, marble and amphibolite 2-3%.
PR-43	82M/2	0373510	5667424	4520	175°	1.5-2	45.0	**Sample Site:** Forested ~150-200 m from edge of clearcut. **Float:** 90% granite and granitic pegmatite, 10% metamorphic rocks. Trace of grey fine grained dyke rock. 10% quartz derived from breakdown of coarse grained granitic pegmatite.
PR-44	82M/2	0374014	5666243	5620	190°	0.5-1.0	12.0	**Sample Site:** 20 m upstream of road. **Float:** 90% granite and granite pegmatite, rest = schist, gneiss , minor grey, fine grained mafic dyke.
PR-45	82M/2	0375037	5665838	5260	250°	1-1.5	30.0	**Sample Site:** Km 44 – 10 m upstream of road. **Float:** 60% granitic and pegmatitic rocks, rest are predominantly biotite schist with lesser gneiss. Occasional mafic gneiss or amphibolite pebble noted.
PR-46	82M/2	0376267	5664863	5040	225°	1-1.25	15.0	**Sample Site:** 20 m upstream of main creek at base of large slide area. **Float:** 60% granitic and pegmatitic (high white feldspar and quartz content). Rest is fine grained schist and gneiss. **Note:** Rock sample PR-46R – angular limonitic boulder near site.
PR-47	82M/2	0376398	5664644	5280	240°	1-1.5	20-25	**Sample Site:** 75 m and upstream from main creek. Avalanche path but good creek. **Float:** Quite variable, 50-60% felsic intrusive and minor pegmatite, biotite schist (often limonitic), lesser gneiss and low % marble unit (latter pale grey, white to green). Some blocks of marble to 30-50 cm. Also some garnetiferous calc-silicate.. 10-20% limonitic float. Rock specimen PR-47.
PR-48	82M/2	0376517	5664629	5280	112°	2-2.5	20	**Sample Site:** On main creek ~75 upstream of PR-47. **Float:** 40% felsic intrusives and pegmatite (some Kspar rich intrusive). 30% generally dark coloured gneiss and schist. ~5% dark grey fine grained dyke rock.
PR-49	82M/2	0375272	5666764	4400	050°	0.5	30	**Sample Site:** Along Second Creek road 30 m upstream of road. **Float:** 60% light coloured felsic medium to coarse grained intrusive (granite) and pegmatite. Remainder is dark biotite schist and gneiss, 5% limonitic. Trace mafic rocks, and fine grained dyke.

STREAM SAMPLING FIELD DATA

Sample Site	Map No.	UTM Coordinates		Elev. (Ft)	Stream Data			Comments
		Easting	Northing		Source	Width (m)	Slope (%)	
PR-50	82M/2	0378504	5668425	5420	235°	2.0+	40	**Sample Site:** Talus Slope **Float:** Predominantly gneiss, biotite schist, amphibolite schist (70%), granitic rocks and pegmatite (30%). Minor marble and green calc-silicate rocks. Rock samples submitted for analysis: R1 - Cross section of talus float. R2 – Limonitic debris
PR-51	82M/2	0378575	5668254					**Float:** Highly variable – similar to PR-50 site. 30-40% intrusives, 30% of float is limonitic.
PR-52	82M/2	0376482	5669337					**Float**: Felsic intrusives (50-60%). Rest is biotite schist, quartzite, amphibolite, calc-silicate and minor green dyke material
PR-53	82M/2							PR 27 re-sample
PR-54	82M/7	0383505	5681915	3900	027°	3.0	45	**Sample Site:** ~400 m upstream of PR-5 site (52 ppb Au). **Float:** Grey to pale green schistose quartzites and biotite schists. Minor quartz-diopside(?) float. Very low sulphide content.
PR-55	82M/7			4000	075°	1-1.5	30	**Sample Site:** Tributary stream, 75 m upstream of PR-54
PR-56	82M/2							PR-7 duplicate collected same day. No P.C. duplicate
PR-57	82M/2							**Sample Site:** 50 m northerly (downstream) of WP-025 (SE) showing. No P.C.
PR-58				5040	240°	0.4	25	**Sample Site:** 370 m upstream of PR-SL-22 site at Second Ck Bridge. **Float:** Light coloured float consisting predominantly of coarse grained granite, quartz, feldspar fragments and pegmatitic material. Occasional limonitic porous fragments.
PR-59	82M/2			5000	250°	0.5	25	**Sample Site:** 230 m upstream of PR-SL-22 site at Second Creek Bridge. **Float:** Light coloured float consisting primarily of decomposed granite and pegmatite.

APPENDIX B

PANNED CONCENTRATE DESCRIPTIONS

PERRY RIVER PROJECT
PANNED CONCENTRATE DESCRIPTIONS

Sample Number	Description	Au ppb	W ppm	Ta ppm	Other ppm
PC-01	Distinctly yellow and black concentrate made up of abundant yellow monazite and black, fine-grained magnetite. Pale pink garnet present, usually as large grains - 1 mm+. Noted pale blue 1.5 mm grain of kyanite. Occasional coarse grains of magnetite. **UV Response:** 2-3 grains of scheelite and several clear crystals that fluoresce yellow (zircon?).				
PC-02	Panned concentrate contains minor garnet and magnetite.				
PC-03	Concentrate comprised of fine-grained garnet and magnetite. Opaque mineral content moderate.				
PC-04	Concentrate contains moderate amounts of fine to coarse garnet and magnetite.				
PC-05	Grey coloured concentrate with high content of "specular" platy magnetite. Light fraction consists of feldspar, quartz, garnet, minor kyanite and zircon. Garnet content quite low relative to Anstey area. Other opaques are non magnetic, adamantine mineral with blocky habit and conchoidal fracture (rutile?). **UV Response:** no scheelite, minor yellow fluorescent zircon.	82	158	<1	Ce=3710 La=2800 Nd=1350
PC-06	Moderate content of garnet and magnetite.				
PC-07	Dark concentrate with moderately high magnetite content and low garnet content. Several "nuggets" of magnetite to 5-6 mm. 1 piece of "lodestone" covered with small grains of magnetite. Minor monazite. 3 kyanite grains to 0.8 cm. **UV Response:** 5-6 grains of scheelite and numerous grains that fluoresce yellow (zircon?). Numerous water-clear grains with crystals faces that are suspect topaz. Trace translucent green mineral.	<5	42	111	Zn=552
PC-08	Concentrate contains moderate amounts of garnet and magnetite with suspect zircon and very minor monazite.				
PC-09	Magnetite content greater than garnet. Minor pale green high S.G. mineral (apatite?).				
PC-10	Concentrate is distinctly pink due to very high content of fine to occasionally coarse (2 mm) garnet. Minor kyanite.				
PC-11	Moderate garnet content greater than magnetite. Garnets smaller and less abundant than in PC-10.				
PC-12	High garnet content, minor magnetite.				
PC-13	Concentrate contains more magnetite than garnet. This was expected as the stream float is 75% granitic. Minor monazite and zircon.				
PC-14	Concentrate characterized by magnetite content that far exceeds garnet content. Again due to granitic terrain.				
PC-15	Distinct tri-coloured concentrate comprised in order of abundance: yellow monazite, pinkish garnet and lesser magnetite-zircon.				
PC-16	Concentrate comprised of garnet > monazite and lesser magnetite.				
PC-17	Light coloured concentrate with minor amounts of garnet and magnetite content. Trace monazite.				
PC-18	Pale brown-tan coloured concentrate containing minor garnet and monazite and very low magnetite.				
PC-19	Pinkish concentrate with high amount of garnet. Light fraction contains garnet, quartz, feldspar, zircon and trace apatite. Opaque content = 15% of which 30% is magnetite. **UV Response:** 6 grains scheelite and numerous fine yellow fluorescing zircons.	<5	99	<1	As=21 Ce-2980 La=2060
PC-20	A generally light coloured panned concentrate with weak to moderate amounts of garnet and low magnetite content. Small amounts of dark, heavy, non-magnetic minerals (i.e. zircon, spinel). Clear zircon(?) crystals noted. **UV Response:** 6 grains of scheelite along with numerous yellowish fluorescent grains.	<5	42	9	
PC-21	Pale pinkish concentrate with 80% light coloured fraction of which garnet content is ~15-25%. Opaques primarily made up of mafic minerals and other adamantine crystals, often with well developed cleavage. Fair component of platy dark to translucent minerals. Minor tourmaline and sphene observed.	<5	18	<1	Zn=320

PERRY RIVER PROJECT
PANNED CONCENTRATE DESCRIPTIONS

Sample Number	Description	Au ppb	W ppm	Ta ppm	Other ppm
	UV Response: 4 fine scheelite grains and abundant yellow fluorescing zircons.				
PC-22	Moderately high garnet and low magnetite content. Other black opaque heavy minerals present include zircon and spinel(?). Noted clear, doubly terminated zircon crystals. Very minor monazite. **UV Response:** 20+ grains of scheelite and many more yellow fluorescent mineral grains (topaz?).	26	<4	<1	
PC-23	Pale pinkish concentrate comprised of garnet and other light coloured minerals. Magnetite content low.				
PC-24	Moderate magnetite content that is greater than garnet, monazite and other heavy minerals. One of the higher magnetite contents seen up to this point.				
PC-25	Concentrate contains high amounts of garnet, some of which are up to 1-2 mm. Also considerable magnetite, some grains to 1 mm.				
PC-26	Pinkish concentrate comprised of 80% light coloured minerals. Garnet comprises 30% along with quartz, feldspar, zircon, trace monazite, apatite and clear tourmaline. Opaques comprised of 30% magnetite with rest made up of black adamantine mineral. **UV Response:** 8-10 scheelite grains, 2 of which are quite large (0.5 mm). Moderate amounts of yellow fluorescent zircons.				
PC-27	Pinkish concentrate with high content of fine to coarse-grained garnet. Magnetite content low, however few larger grains observed – one to 1 cm long (lodestone). Two large fragments of kyanite noted. Some grains of adamantine opaque mineral. **UV Response:** 6-7 grains of scheelite and numerous grains of fine yellow fluorescent mineral (zircon).	15	66	44	Ni=900
PC-28	Pinkish concentrate with high content of pink to reddish garnet. Some garnets to 2 mm±. Low magnetite content, most of which is fine-grained. A number of kyanite fragments up to 1 cm – some transparent and colourless. Occasional grain of adamantine opaque mineral with poor cleavage. **UV Response:** 1 grain of scheelite and numerous, generally fine-grained yellowish fluorescent minerals that are usually clear and colourless to pale yellow (zircon?).	<5	<4	<2	
PC-29	Concentrate contains moderate amounts of fine-grained garnet that far exceeds magnetite.				
PC-30	Dark grey, magnetite rich panned concentrate (~60%). Numerous coarse, subrounded magnetite crystals to 0.5 cm. Some magnetite noted in quartz feldspar granules. Some weakly magnetic opaque mineral grains present. Light coloured fraction consists of garnet, monazite and zircon. **UV Response:** 8 small grains of scheelite and numerous fine yellow fluorescent minerals (zircon).	<5	99	28	Cr=401 La=2960 Ce=3640
PC-31	Concentrate contains high amounts of garnet that is more abundant than magnetite. Moderate magnetite content.				
PC-32	Garnet content approximately equal to magnetite. Garnets grains to 1 mm. Occasional magnetite to 0.5 mm. Approximately 5-10% monazite, trace other accessories.				
PC-33	Garnet - magnetite content roughly equal and are both fine-grained. Low monazite content.				
PC-34	Concentrate dominated by garnet with much lesser magnetite. Trace green unidentified mineral grains.				
PC-35	Moderate to high content of garnet – occasionally to 1 mm. Garnet content much greater than magnetite.				
PC-36	Concentrate comprised of moderate amounts of garnet that is greater than magnetite. Suspect sulphides.				
PC-37	Garnet content greater than magnetite. Minor monazite and pale green mineral.				
PC-38	Garnet content greater than magnetite. Trace kyanite.				
PC-39	Moderate garnet and magnetite content. Garnets to 1-2 mm.				
PC-40	Pinkish-grey concentrate with moderately high garnet content. Some garnets to 1.5 mm. 30%+ opaque minerals of which ~50%	<5	12	7	

PERRY RIVER PROJECT
PANNED CONCENTRATE DESCRIPTIONS

Sample Number	Description	Au ppb	W ppm	Ta ppm	Other ppm
	are magnetic. Garnet, monazite, quartz, feldspar, zircon and trace apatite make up light coloured fraction. Some of the opaques have adamantine lustre and are weakly magnetic. Rare grain of hematite-limonite coated amorphous mineral. **UV Response:** 12 small grains of scheelite, numerous yellow fluorescent zircons.				
PC-41	Garnet (pink red) moderately high content – considerably higher than magnetite. Some garnets to 1-1.5 mm. Other non-magnetic opaques present (zircon?). Minor monazite. Fairly abundant rounded and occasionally faceted water-clear crystals. Suspect zircon. **UV Response:** 10-15+ grains scheelite and numerous grains of yellowish fluorescent zircon. The zircon grains are water-clear to translucent and are rounded to well developed tetragonal crystals with bi-pyramids.	300	70	12	As=13
PC-42	Concentrate dominated by abundant pink to red garnet. Some garnets to 2 mm. Moderate content of opaque minerals with at least 50% being magnetite. Some weakly magnetic - columbite/tantalite(?). Other opaques include zircon and spinel. Lighter fraction includes quartz and minor green apatite, monazite and traces of kyanite and tourmaline. **UV Response:** 8 grains of fairly coarse scheelite. Moderate amounts of coarse yellow fluorescent mineral (zircon).	29	63	33	
PC-43	Light coloured panned concentrate. Generally low garnet-magnetite, minor monazite. Fairly numerous, clear, elongate, bi-pyramidal crystals (topaz?). Several translucent green crystals (apatite). **UV Response:** 2-3 scheelite and grains numerous deep yellow fluorescent grains.				
PC-44	Low to moderate amounts of garnet and magnetite. Also present are dark brown zircon, yellowish monazite and very minor, water-clear zircon crystals. Trace green apatite. **UV Response:** 10+ grains of scheelite and numerous yellow fluorescent grains.	<5	82	17	La=2490 Ce-3550 Nd=1310
PC-45	Moderate amounts of garnet and magnetite, low monazite. Suspect other heavy dark minerals (i.e. zircon, spinel). Trace clear zircon crystals. **UV Response:** 6+ grains of scheelite and 10+ grains of yellowish fluorescent mineral.	<5	29	7	Cr=613
PC-46	Pinkish-brown concentrate with moderately high garnet content. Only 20% of opaque minerals are magnetite, rest are mafic minerals and possibly sphere. Clear, amber yellow monazite fairly common. Also present are clear, colourless, tetragonal crystals, some of which are bi-pyramidal (zircon). **UV Response:** 6 grains scheelite and very numerous yellow fluorescent grains (zircon).	27	69	<1	La=3360 Ce=4350 N=1530
PC-47	Light pinkish coloured concentrate with low content of opaque minerals and very low magnetite in these. Notable amount of water-clear tetragonal crystals, many with pyramidal termination (zircon). Minor green translucent mineral (apatite?). Very minor monazite. Several pieces (to 5 mm) of limonite coated amorphous mineral. **UV Response:** at least 20+ grains of fine-grained scheelite and very numerous grains of yellow zircon.	23	176	<1	La=2550 Ce=3420
PC-48	Pinkish-grey concentrate with 30-40% opaque minerals. Light fraction consists of garnet, feldspar quartz, zircon and trace octahedral translucent crystals with good cleavage. Very minor apatite noted. Opaques made up of 25% magnetite and remainder is mafic minerals and adamantine opaque minerals, minor tourmaline. **UV Response:** 2 grains scheelite and abundant, fine-grained yellow fluorescent zircon.	<5	<4	<1	
PC-49	Pinkish concentrate with abundant garnet grains to 1 mm. Light coloured fraction also contains 5%+ monazite, and fine-grained zircon. 35-40% opaque minerals of which 10% are magnetite. Rest of opaques are amphiboles and high percentage of black adamantine mineral. Several grains of hematitic mineral (non-magnetic). **UV Response:** 12 grains scheelite, numerous yellow fluorescent zircons.	33	216	<1	La=3920 Ce=5010 Nd=1750

PERRY RIVER PROJECT
PANNED CONCENTRATE DESCRIPTIONS

Sample Number	Description	Au ppb	W ppm	Ta ppm	Other ppm
PC-50	Pinkish concentrate with moderate amounts of garnet (some to 1-2 mm). 30% opaque minerals – many are black adamantine with 1+ cleavage faces, conchoidal fractured and usually blocky grains. Less than 20% of opaques are magnetite. In the light coloured fraction there are fairly abundant, clear, elongate, tetragonal crystals (zircon). Also noted 2-3% green, translucent grains (apatite?) **UV Response:** 6 grains of scheelite and numerous yellow fluorescent zircons.	18	99	<1	
PC-51	Highly diverse panned concentrate with garnet the dominant mineral (50%). Crystals and fragments of pink to deep ruby red garnets to 2-3 mm. Other light coloured minerals present including the following: pale green translucent (apatite?), 5-7% yellow, generally small rounded grains of monazite (5-10%), colourless to pale yellow and clear elongate, striated crystals (topaz), 2-3%+ and clear, colourless bi-pyramidal zircon(?) 1-2%. Other unidentified light coloured minerals likely present. Of the 25% opaque minerals only about 15% are magnetite with rest made up of amphiboles, zircons, spinel and possible rutile. Noted one grain of angular pyrite. **UV Response:** several dozen grains of scheelite with one near 1 mm across. Also abundant grains of yellow fluorescent mineral (zircon).	<5	121	<1	Ni=770
PC-52	Light coloured panned concentrate with only 10-15% pinkish garnet and 5-7% opaque minerals. Majority of concentrate consists of clear or white silicate minerals some of which include quartz, feldspar and fairly numerous water-clear, rounded and stubby crystals. The latter have a good single cleavage (topaz) and may comprise up to 5% of panned concentrate. This panned concentrate is in marked contrast with PC-50 and 51 ~2 km to southeast and indeed even PC-25 just downstream ~1.25 km. **UV Response:** at least a dozen very fine scheelite grains and moderate amounts of yellow fluorescent mineral (zircon).				
PC-53	No PC. Duplicate silt sample of PR-27 site.				
PC-54	Panned concentrate distinguished by moderately high content of "specular" magnetite that has a tabular or lamellar habit. Some grains of magnetite (usually granular clusters) to 1 mm. Overall the opaques component of the concentrate is ~40%. Also present are occasional grains of black, sub-metallic, weakly magnetic mineral that has an irregular almost conchoidal fracture (columbite?). Lighter coloured fraction includes quartz, feldspar, minor garnet and monazite. Noted few (≤0.3 mm) grains of deep red translucent mineral (corundum?). **UV Response:** 5-6 scheelite grains and minor yellow fluorescing clear mineral (zircon).				
PC-55	Concentrate comprised primarily of pinkish-brown garnet and "lamellar" magnetite, the latter of which was observed in PC-54. Garnet content distinctly higher with grains to 1.5 mm. Besides garnet, light coloured fraction includes quartz, feldspar, as well as minor topaz, zircon, apatite and brown tourmaline. Noted several oxide coated grains (cubes) of pyrite. **UV Response:** 10 grains scheelite and few dozen grains of yellow fluorescent mineral (zircon).				
PC-56	Duplicate of PR-PC-7 sample site				
PC-58	Very light coloured, pinkish concentrate made up primarily of garnet, feldspar, quartz and minor monazite. Noted clear, colourless tetragonal crystals (Zircon?). 15-20% opaque minerals of which <20% are magnetic. Remainder are mafic minerals and adamantine black mineral. **UV Response:** 2 grains of scheelite and abundant generally fine-grained yellow fluorescent zircon.	<5	18	<1	Ni=534
PC-59	Tan coloured concentrate comprised of feldspar, garnet, quartz and minor zircon. Many grains are stained brown. Garnet content lower than most in region. Opaque minerals make up ~10% of concentrate and only 25% of this is magnetic. **UV Response:** No scheelite noted, fairly abundant yellow fluorescent zircon (fine-grained).	<5	5	<1	

APPENDIX C

ROCK SAMPLE DESCRIPTIONS

PERRY RIVER PROJECT
ROCK SAMPLE DESCRIPTIONS

Sample No.	UTM Coordinates		Elev. (ft)	Otc Float	Description	Mag	Carb	UV	Au ppb	Bi ppm	Cu ppm	Te ppm	W ppm	Other ppm
	Easting	Northing												
PR 014R	0371183	5659940	4200	Otc	Pale brown, weakly limonitic, fine to medium grained felsic intrusive. Low mafic content. Disseminated, fine-grained magnetite (1%).	m	n	n						
PR 017R	0374402	5663107	4900	Float	Limonitic, subangular to rounded, medium to coarse grained, green-grey pyroxene + amphibolite (70%), plagioclase (20%) + biotite (5%). Disseminated pyrrhotite (5%) to 2 mm, 1% mag.	m	n	vw	3	0.3	86	0.10	*8*	Mo=10
PR 046R	0376267	5664863	5100	Float	Green and pinkish, limonitic weathered, siliceous rock comprised of quartz and pale green mafics (pyroxenes). Disseminations and stringers of very fine-grained sooty sulphides (pyrite?) + pyrrhotite. Trace chalcopyrite. Noted gypsum on fractures/cavities	w	v w	w	*47*	*11.8*	233	0.65	*2120*	Be=64.3
PR 047R	0376398	5664644	5150	Float	Pale green-grey, medium-grained siliceous rock comprised predominantly of quartz, feldspar and diopside (pale green). Limonite weathered. Disseminated pyrite throughout (~2-3%) Some pyrrhotite to 0.5 cm across. Trace chalcopyrite. Carbonate throughout matrix	m	m	w						
PR 050R	0378504	5668425	5500	Float	**Float composite at PR-50 site** (Analysis is for limonitic float):				3	0.3	82	<0.05	1	
					1. Black, quartz-pyroxene-biotite-gneiss, minor garnet.	w	n	n						
					2. Black, quartz-pyroxene gneiss. Minor pyrrhotite	vw	n	n						
					3. Pale grey, feldspar-quartz-biotite gneiss. Trace pyrrhotite.	n	n	n						
					4. Buff, medium-grained granite. Very low mafics. Quartz 25%.	n	n	n						
					5. White, coarse-grained, impure marble. Minor flakes graphite to 2 mm. Pale green to brown apatite crystals (~5%).	n	vs	n						
					6. Pale green, medium-grained calc-silicate.	n	w-m	n						
					7. Brown, medium-grained feldspar-hornblende-pyroxene rock. Minor pyrrhotite (~1%).	w	n	n						
					8. Pale brown quartz-feldspar "augen" gneiss.	n	n	n						
					9. Brown-grey, fine to medium grained feldspar-pyroxene gneiss. Minor pyrrhotite, trace chalcopyrite – total sulphides ~2%.	w	n	n						
					10. White-grey, coarse-grained feldspar-quartz-biotitic pegmatite.	n	vw	n						
					11. Pale brown-green, f.g. feldspar-quartz-amphibole-biotite gneiss.	n	n	n						
					12. Black and white, fine-grained, granular feldspar-hornblende dyke.	n	n	n						
					13. Quartz-feldspar biotite gneiss.	n	n	n						
					14. Dark grey, medium-grained pyroxene-biotite gneiss, trace po.	n	n	n						
					15. Dark grey-green, fine to medium grained amphibolite-garnet gneiss. Clots of ruby garnet and minor pyrrhotite. Trace chalcopyrite.	m	n	n						

n=nil w=weak m=moderate s=strong v=very n/a=not available

PERRY RIVER PROJECT
ROCK SAMPLE DESCRIPTIONS

Sample No.	UTM Coordinates Easting	UTM Coordinates Northing	Elev. (ft)	Otc Float	Description	Mag	Carb	UV	Au ppb	Bi ppm	Cu ppm	Te ppm	W ppm	Other ppm
					16. Limonite stained, coarse-grained feldspar-quartz pegmatite.	n	n	n						
SCS 02+20R	Road coordinates measured from bridge at PR-22 sample site.		5100	Otc	**Second Creek Road**. Banded, white-grey, coarse-grained quartz ± feldspar - biotite - garnet gneiss. Distinct mica bands, some of which contain muscovite. Garnet porphyroblasts to 0.5 cm. Irregular clots of pyrrhotite. (<1%).	m	n	n						
SCS 02+90R			5150	Otc	**Second Creek Road**. White to pale green, coarse-grained muscovite granite. 80%. white Kspar quartz, 5% muscovite. Trace garnet and green waxy material on fracture/shearface. Very minor pyrite/pyrrhotite noted.	n	n	n	3	1.2	<1	<0.05	6	
SCS 05+36R				Float	**Second Creek Road**. Subangular to subrounded boulder on road bank. Rusty, weathering, pale green-white siliceous rock with disseminations and irregular patches of pyrrhotite. Minor chalcopyrite. Sulphide content ~2-3%. Some sulphides decomposed to black sooty material. Several grains of silvery, very fine-grained metallic (molybdenite?)	w	n	n	<1	0.4	84	0.05	2	Mo=6
SCS 08+81R				Otc	**Second Creek Road**. Sulphide band adjacent to marble and calc-silicate band. Green-grey, fine to medium grained quartz-feldspar-pyrrhotite zone. Disseminated to crude lenses of pyrrhotite and trace chalcopyrite. Total sulphides 5-7%. Sample across 10 cm.	m	n	n	2	3.3	*477*	0.75	*23*	
SCS 09+40R				Otc	**Second Creek Road**. Varicoloured siliceous rock with disseminated and crude bands of pyrrhotite and lesser dark grey soft platy metallic (graphite) and trace chalcopyrite. Sulphides – 3-5%. This sample comes from hangingwall of steep NW dipping marble/calcsilicate layer. Sample across 15 cm.	vw	n	n	*76*	*6.9*	57	0.70	2	Cr=255
SCS 10+18R				Otc	**Second Creek Road.** Pale-green, medium-grained, silicified, bleached rock containing disseminated pyrrhotite (~2-3%) and very minor chalcopyrite.	vw	n	n						
SCS 10+25R				Float	**Second Creek Road**. Limonite stained, subangular, pale grey-brown, fine-grained silicified rock. Disseminated pyrrhotite 3-5%. Also present are flakes of dark grey graphite. Float fragment ~25 cm.	vw	n	n	*2980*	*156.0*	*502*	*16.45*	*27*	Ag=1.85 Mo=9.2
SCS 10+50R				Float	**Second Creek Road**. Rusty weathering, angular, pale green-grey, fine-grained siliceous rock (quartz>feldspar). Disseminations and irregular clots of fine-grained pyrrhotite, trace chalcopyrite. Total sulphides ~5-6%.	w	n	n	5	2.1	160	0.35	2	Mo=10.6
SCS 16+38R				Otc	**Second Creek Road**. Bright orange-brown decomposed zone in road cut. Local green-grey clayey gouge zones with rotting granite fragments. Sample across 2 metres.	n	n	n	<1	2.2	11	<0.05	1	

n=nil w=weak m=moderate s=strong v=very n/a=not available

PERRY RIVER PROJECT
ROCK SAMPLE DESCRIPTIONS

Sample No.	UTM Coordinates		Elev. (ft)	Otc Float	Description	Mag	Carb	UV	Au ppb	Bi ppm	Cu ppm	Te ppm	W ppm	Other ppm
	Easting	Northing												
SCS 17+35R				Otc	**Second Creek Road**. White to pale grey, medium to coarse grained granite with minor biotite. Limonite halos around disseminated unidentified fine-grained mineral. Sulphides <1%.	n	n	n						
SCS 17+50R			5500	Otc	**Second Creek Road**. Pinkish, coarse-grained granite pegmatite with 20% quartz, 50% white Kspar and 25% pink feldspar. Remainder is chloritic mica. No sulphides.	n	n	n						
SCS 25+15R				Otc	**Second Creek Road**. Sample across one metre of decomposed biotite schist cut by granitic dykes/sills.	w	n	n	<1	0.2	30	<0.05	1	
SCS 27+00R			5630	Float	**Second Creek Road**. Limonite stained subangular boulder (55 cm). Green, crudely banded, fine-grained siliceous rock comprised of pale green feldspar(?), quartz and mafic minerals. Rock may be calcsilicate. Disseminated throughout are pyrrhotite and pyrite 5%+. Also contained within this boulder are semi-massive sulphides (pyrrhotite 40%) in an actinolite rich zone. Trace chalcopyrite noted.	m	n	n	***150***	***72.2***	***403***	***3.05***	1	
WP 001R	0381136	5662883		Otc	Rusty-white, feldspar rich pegmatite with minor grey-green mica. 0.5% pyrrhotite.	w	n	n						
WP 009R	0379993	5662723		Otc	Grey quartz-feldspar-biotite schist. Minor pyrrhotite (≤1%)	w	n	n						
WP 010R	0380544	5661394		Otc	Pale grey quartz-biotite schist with layers of actinolite-biotite	n	n	n						
WP 011R	0380651	5661277		Otc	Rusty weathering, white, fine-grained feldspar-quartz-garnet gneiss. Very minor sulphides (pyrrhotite). Garnets ~1-1.5 mm.	n	n	n						
WP 012R	0379655	5660596		Otc	Grey, medium-grained, unaltered, quartz monzonite. Surrounds bands of biotite schist.	n	n	n						
WP 014A	0379792	5660289		Otc	Mottled green and white crystalline silicate: 70% diopside, 30% .	n	n	n						
WP 015R	0379901	5660321	3700	Otc	Pale green, medium-grained amphibolite quartz rock (1.5 m band) in biotite quartz schist cut by pegmatite dykes.	n	n	n						
WP 021R	0371761	5663399	4820	Float	(A): Pale green and white, banded marble. Original impure limestone? Trace black grains with rusty halo.	n	s	n	<1	0.1	6	<0.05	1	
				Float	(B): Angular, feldspar plus quartz with lesser chloritized mafics. 4-5% as grains and infillings. NOTE: several grains of chalcopyrite. Rock looks more like tuff (siliceous clastic?)	w	n	n						
WP 022R	0371704	5665482	3350	Otc	Pinkish, medium-grained, hornblende syenite. Mafics partially chlorite altered.	m	n	n						
WP 023R "SW" Zone	0373975	5666404	5640	Otc	(A): **Mineralized Zone** (20 cm). Limonite weathered, grey-brown, siliceous fractured rock. Contains 5-10% sulphides - predominantly pyrrhotite with <1/2% chalcopyrite.	w	vw	vw	***1580***	***225.0***	***305***	***11.20***	***34***	Ag=1.3
				Otc	(B): One of several specimens. Pale grey, fine-grained marble.	n	s	n						

n=nil w=weak m=moderate s=strong v=very n/a=not available

PERRY RIVER PROJECT
ROCK SAMPLE DESCRIPTIONS

Sample No.	UTM Coordinates		Elev. (ft)	Otc Float	Description	Mag	Carb	UV	Au ppb	Bi ppm	Cu ppm	Te ppm	W ppm	Other ppm
	Easting	Northing												
					Speckled throughout with green translucent grains with rounded surfaces and no distinct crystal form. Hardness ≥6. Suspect this mineral is apatite									
WP 025 "SE" Zone	0375451	5665618	5000	Otc	**Mineralized Zone**. Limonite weathered, green-grey, medium-grained, "granular" looking rock comprised predominantly of mafic minerals (diopside ± actinolite). Sulphides infill space between mafic minerals. Pyrrhotite>>chalcopyrite. Total sulphides range from 5-25%. Suspect magnetite. Sample across 35-40 cm.	s	vw	w	*115*	*11.2*	*992*	*1.35*	*288*	Ag=1.85
WP 025R				Otc	(A): Pale green, medium-grained siliceous rock comprised of quartz-feldspar-(diopside) zone. Disseminated pyrrhotite, trace chalcopyrite – total ≤2%.	w	w	n						
				Otc	(B): White, coarse-grained feldspar-pegmatite. Minor, elongate, pale green mineral (diopside).	n	n	n						
				Otc	(C): Pale grey-white, fine-grained quartz-feldspar-biotite gneiss. Irregular bands of feldspar-quartz that pinch and swell.	n	n	n						
WP 025S				Float	Soil Sample Site. Green-grey, biotite-actinolite gneiss. Comprised of quartz and feldspar with red-brown biotite and clear to brownish needles of actinolite. Also present are flakes of graphite. Minor po.	v w	n	n						
WP 028R	0376072	5666880	5450	Otc	White to pale grey, medium-grained granite. Locally pegmatitic. Minor muscovite. Some fractures exhibit pale green waxy surface (slickensides?).	n	n	n						
WP 029R "NE" Zone	0375932	5667041	5500	Otc	Green to locally pinkish, medium-grained skarn. Consists of dark green diopside, quartz and red-brown garnet. Some areas of actinolite-garnet. Disseminated pyrrhotite, pyrite, trace chalcopyrite. Sulphide content <2%. Sulphides locally decomposing to sooty, fine-grained material. Sample across 50 cm.	n	vw	*s*	6	<2.0	*390*	<0.50	*1210*	Be=145
WP 032R "NE" Zone	0375722	5666884	5050	Otc	(A): **Mineralized Zone**. Green-brown, medium-grained, "granular" looking rock made up of mafic crystals, feldspar and quartz. Mafics are coarse stubby hornblende. Feldspars are white to buff (Kspar). Also present are water-clear, rounded crystals (quartz). Has appearance of a crystal tuff, however rock origin is not volcanic. Space between many crystals filled with fine-grained, sooty to granular pyrrhotite, trace chalcopyrite. Sulphides ~15-30% (Chalcopyrite ~1/2%). Width irregular 30-50 cm.	m	n	m	*1250*	*91.2*	*510*	*7.25*	*251*	Ag=2.1 Be=65.4
				Otc	(B): Another specimen of showing. Consists of coarse-grained, mafic rich rock consisting of green and occasionally white amphiboles. Pyrrhotite, trace chalcopyrite – total sulphides 1-2%.	m	w	s						

n=nil w=weak m=moderate s=strong v=very n/a=not available

PERRY RIVER PROJECT
ROCK SAMPLE DESCRIPTIONS

Sample No.	UTM Coordinates		Elev. (ft)	Otc Float	Description	Mag	Carb	UV	Au ppb	Bi ppm	Cu ppm	Te ppm	W ppm	Other ppm
	Easting	Northing												
WP 041R	0375470	5670326	3750	Float	Green-grey, medium-grained hornblendite(?).Abundant disseminations of fine-grained magnetite 15-20%. Minor chalcopyrite (1/2%), trace pyrite. Found in gravel pit along Third Creek logging road (44.8 km).	v s	n	n	<2	1.3	***1160***	0.50	7	
WP 043R	0376790	5670429	3930	Float	Limonitic boulder of pale green-grey, fine to medium grained, siliceous rock comprised of quartz-feldspar amphibole. Banded appearance. 1-2% disseminated po and trace pyrite. Sulphides ~1-2%.	w-m	w	n	<2	0.8	***238***	0.15	2	
WP 046R	0375686	5670128	4200	Otc	Pale green, medium-grained, feldspar-diopside rock. Represents altered impure marble layer.	n	n	n	<1	0.2	5	0.05	1	
WP 047R	0375194	5670118	4080	Otc	Pale green, medium-grained calc-silicate comprised predominantly of actinolite and cut by amorphous white veinlets	n	n	n						
WP 048R	0373170	5669664	4600	Otc	White, medium-grained granite. Minor biotite-chlorite (<5%).	n	n	n						
WP 052R	0378489	5670371	5050	Otc	Black, coarse-grained hornblendite dyke. Crystals of hornblende to 1 cm↓. Disseminated pyrrhotite 1-2%.	w	n	n						
WP 053R	0378241	5670765	5100	Otc	Pale grey, medium to coarse-grained carbonatite(?). Contains disseminated diopside hornblende, biotite and apatite (~10-15%). Also present are disseminated grains of pyrrhotite (~0.5-1%). Suspect trace hematite. Also unidentified black metallic mineral (REE?).	w	s	n	<1	0.1	1	0.05	<1	P= >10000 Sr=6700 Nb=146
WP 059R	0378735	5668944	4850	Float	Pinkish, fine-grained, banded quartz-garnet rock. Layering consists of quartz-biotite-chlorite rich layers. Disseminated pyrrhotite throughout with some pyrrhotite layers.	m	n	n	5	<2.0	49	<0.50	<10	Co=221 Cr=251
WP 061R	0376810	5670823	4360	Otc	Very rusty, crumbly weathering biotite schist with minor pyrrhotite. Rocks locally cut by pegmatitic dykes.	n/a	n/a	n/a	<1	0.1	26	<0.05	<1	
WP 065R	0375950	5671117	4800	Float	Angular boulder (50 cm) of grey, medium-grained, mottled, intrusive rock. Comprised predominantly of feldspar and pyroxene, minor quartz. Crude compositional banding. Rock is primarily plagioclase + Kspar, pyroxene>hornblende. Minor quartz. Trace amber rounded crystals (sphere?). Disseminated sulphides (3-5%) pyrrhotite> chalcopyrite. Locally sulphides very fine-grained and sooty.	n	n	n						
WP 070R	0377112	5669884	5000	Float	Limonite stained, green, medium-grained, mafic rich intrusive. Comprised of, pale green hornblende, feldspar and minor quartz (<10%). Irregular disseminations of pyrrhotite, trace chalcopyrite. Sulphides 1-1.5%.	m	n	n						
WP 082R	0371319	5683326	3700	Float	Pinkish-grey, fine-grained, quartz-feldspar-garnet gneiss. 1 to 3 m subangular rusty boulders. Silvery graphite flakes (schistose) comprise 5%+ of rock. Also present is sooty black material	n	n	n	7	2.0	***310***	<0.50	<10	Cr=241 V=380

n=nil w=weak m=moderate s=strong v=very n/a=not available

PERRY RIVER PROJECT
ROCK SAMPLE DESCRIPTIONS

Sample No.	UTM Coordinates		Elev. (ft)	Otc Float	Description	Mag	Carb	UV	Au ppb	Bi ppm	Cu ppm	Te ppm	W ppm	Other ppm
	Easting	Northing												
					(manganese?) that forms irregular clasts (5%+). Trace chalcopyrite.									
WP 089R	0372839	5689877	3250	Otc	Grey, fine-grained feldspar porphyry. Biotite is dominant mafic mineral along with lesser hornblende which appears chloritically altered. Rock is strongly magnetic due to disseminated magnetite. White feldspar phenocrysts to 2 mm, some are distinctly zoned. Suspect trace chalcopyrite and azurite.	s	n	vw						
WP 090R	0372936	5690022	3250	Otc	White and black, well banded quartz-feldspar-biotite gneiss. Limonite weathering along fractures. Minor, disseminated, fine-grained pyrrhotite. This rock is in contact with WP-089 intrusive plug.	vw	n	n						
WP 096R	0343857	5667320	4500	Float	30 cm boulder of pale green, dense, siliceous rock with a crude "band" of po that surrounds rounded grains of altered, mafic mineral. Chalcopyrite noted as grains and irregular stringers usually near po.	m	n	n	*25*	3.4	***995***	0.80	2	Mo=9.4
WP 104R "NE" Zone	0376060	5667106	5750	Otc	(A): Green to brown, crudely banded, medium-grained siliceous rock comprised of feldspar, quartz and pale green pyroxene (diopside). Disseminations and clots of fine-grained pyrrhotite, pyrite and trace chalcopyrite primarily in pyroxene rich areas. Local concentrations up to 5-8%. High tungsten content in pyroxene-sulphide band.	w	n	s						
				Otc	(B): Dark green, quartz-mafic-sulphide rich zone. Mottled, "granular" appearance. Patchy sulphides (~3-8%) consist of pyrrhotite, pyrite, chalcopyrite and trace silvery metallic mineral. Locally strongly fluorescent. Sample across 75 cm.	w	n	***vs***	2	3.1	152	0.50	***8660***	Be=41.4 Mo=14.8
WP 106R "NE" Zone	0375903	5667008	5500	Otc	(A): Buff coloured, banded looking feldspar-quartz pegmatitic rock. Very few mafics. Minor brown garnet. Trace pyrrhotite and black lustrous metallic mineral(?). This rock represents wallrock adjacent to *sample WP106B. Noted several grains of scheelite.*	n	w	w						
				Otc	(B): Dark green-grey, coarse-grained, mottled, granular looking rock. Comprised of angular crystal fragments of pale green mafic mineral (pyroxene?) and lesser white feldspar set in a matrix of fine-grained black *"web like" sulphides (pyrite). Pyrite>>pyrrhotite and minor* chalcopyrite noted. Total sulphide content ~10-20%. Sample across 30 cm.	w	n	***m***	2	2.0	***613***	0.95	***429***	Be=24.7

n=nil w=weak m=moderate s=strong v=very n/a=not available

APPENDIX D
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