GEOPHYSICAL / GEOCHEMICAL REPORT

on the

RUM RUN PROPERTY

Quartz Claims RUM RUN 1- 20, 21 – 40, 43, 45, 47, 49, 53-58
Grant Nos. YC17658-677, YC20192-221, YC20214, 216, 218, 220, 222-227
Dawson Mining District
Owner: Gordon G Richards

Claim Sheet No 115O/02,
Latitude 63 01'
Longitude 138 40'

written by
Gordon G Richards

work performed

July 11 – 20, 2003 on
RUM RUN 21 – 40, YC20192-221
& RUM RUN 43, 45, 47, 49, 53-58, YC20214, 216, 218, 220, 222-227
and Sept 16 – 25, 2003 on
RUM RUN 1-20, YC17658-677
By Gordon Richards

January 5, 2004

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Figure 1. Property Location

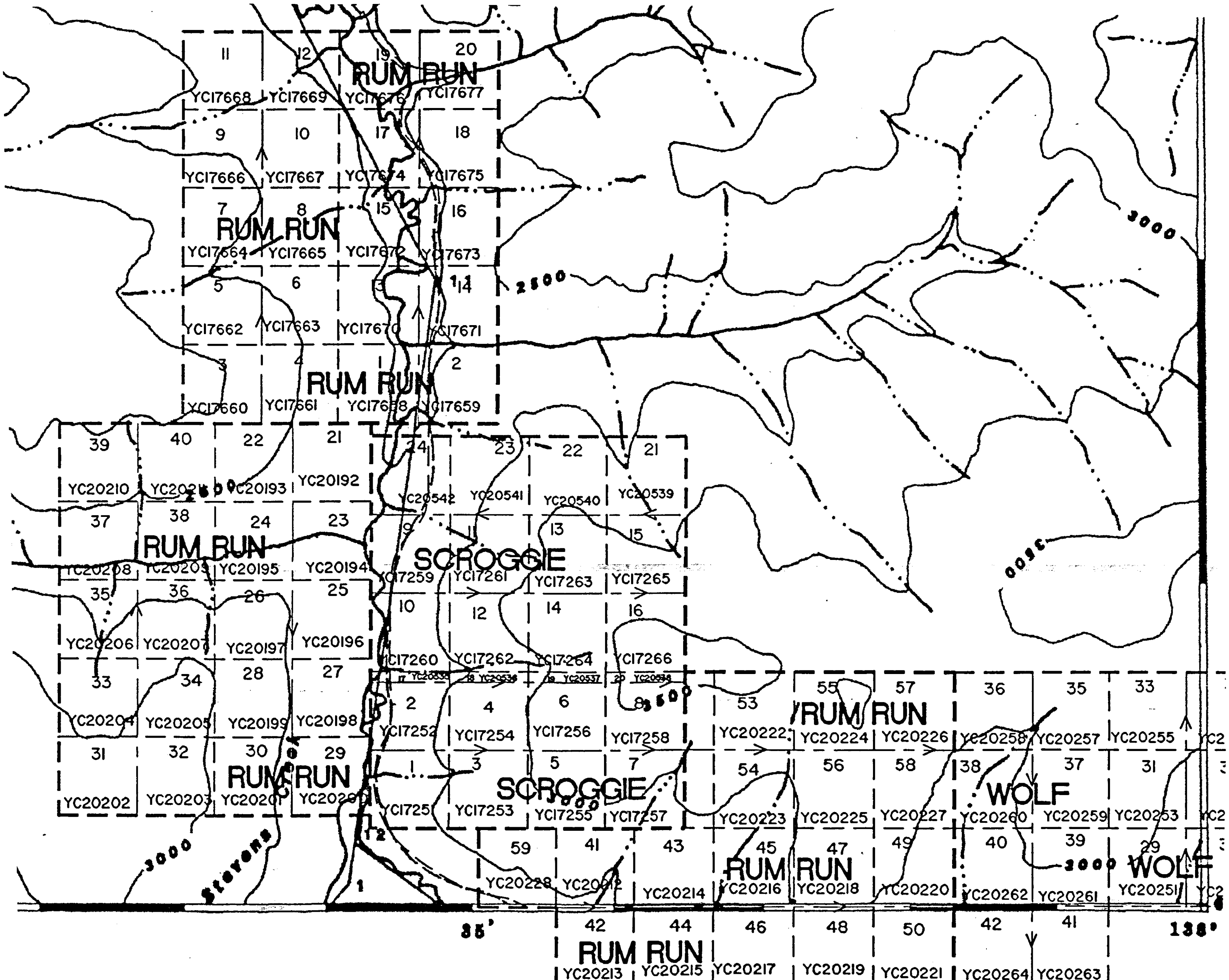


Figure 2. Claim Map.

LOCATION AND ACCESS.

The claims are located 70 km south of the Dawson City airport along Scroggie Creek on map sheets 115O/1 & 2. See Figure 1. The property is accessible by fixed-wing aircraft from Dawson City to a 750-meter long north-south airstrip along Scroggie Creek in the center of the claims. The property is also accessible by ATV from Pelly Farm on the north side of Pelly River, 40 km west of Pelly Crossing. This is a four hour trip over 90 km of the old Dawson Trail to the mouth of Walhalla Creek and then over a 14 km dirt road along the ridge tops east of Scroggie Creek arriving at Scroggie Creek on RUM RUN 13. From here access by ATV over existing roads is possible along Scroggie and Mariposa Creeks.

CLAIMS.

The following claims, owned by Gordon Richards, occur on NTS sheet 115O/02 within the Dawson Mining District. Current expiry dates are provided on the following table including a recent one-year extension of expiry dates provided by the Yukon Government on all quartz claims. RUM RUN 43, 45, 47, 49, and 53 to 58 will expire June 29, 2005. See Figure 2. Some of the work described in this report will be applied as representation work to extend the expiry dates.

Claim Name	Grant Number	Record Date	Expiry Date
RUM RUN 1	YC17658	September 16, 1999	September 16, 2006
RUM RUN 2	YC17659	September 16, 1999	September 16, 2005
RUM RUN 3	YC17660	September 16, 1999	September 16, 2006
RUM RUN 4	YC17661	September 16, 1999	September 16, 2006
RUM RUN 5	YC17662	September 16, 1999	September 16, 2006
RUM RUN 6	YC17663	September 16, 1999	September 16, 2006
RUM RUN 7	YC17664	September 16, 1999	September 16, 2006
RUM RUN 8	YC17665	September 16, 1999	September 16, 2006
RUM RUN 9	YC17666	September 16, 1999	September 16, 2006
RUM RUN 10	YC17667	September 16, 1999	September 16, 2006
RUM RUN 11	YC17668	September 16, 1999	September 16, 2005

RUM RUN 12	YC17669	September 16, 1999	September 16, 2005
RUM RUN 13	YC17670	September 16, 1999	September 16, 2005
RUM RUN 14	YC17671	September 16, 1999	September 16, 2005
RUM RUN 15	YC17672	September 16, 1999	September 16, 2006
RUM RUN 16	YC17673	September 16, 1999	September 16, 2005
RUM RUN 17	YC17674	September 16, 1999	September 16, 2005
RUM RUN 18	YC17675	September 16, 1999	September 16, 2005
RUM RUN 19	YC17676	September 16, 1999	September 16, 2005
RUM RUN 20	YC17677	September 16, 1999	September 16, 2005
RUM RUN 21	YC20192	June 29, 2000	June 29, 2007
RUM RUN 22	YC20193	June 29, 2000	June 29, 2007
RUM RUN 23	YC20194	June 29, 2000	June 29, 2007
RUM RUN 24	YC20195	June 29, 2000	June 29, 2007
RUM RUN 25	YC20196	June 29, 2000	June 29, 2007
RUM RUN 26	YC20197	June 29, 2000	June 29, 2007
RUM RUN 27	YC20198	June 29, 2000	June 29, 2007
RUM RUN 28	YC20199	June 29, 2000	June 29, 2007
RUM RUN 29	YC20200	June 29, 2000	June 29, 2006
RUM RUN 30	YC20201	June 29, 2000	June 29, 2006
RUM RUN 31	YC20202	June 29, 2000	June 29, 2006
RUM RUN 32	YC20203	June 29, 2000	June 29, 2006
RUM RUN 33	YC20204	June 29, 2000	June 29, 2006
RUM RUN 34	YC20205	June 29, 2000	June 29, 2007
RUM RUN 35	YC20206	June 29, 2000	June 29, 2006
RUM RUN 36	YC20207	June 29, 2000	June 29, 2007
RUM RUN 37	YC20208	June 29, 2000	June 29, 2007
RUM RUN 38	YC20209	June 29, 2000	June 29, 2007
RUM RUN 39	YC20210	June 29, 2000	June 29, 2007
RUM RUN 40	YC20211	June 29, 2000	June 29, 2007

HISTORY.

Scroggie and Mariposa Creeks are old placer gold creeks first discovered in 1898 and extensively mined by hand with the aid of steam boilers and points in the early 1900's. Refer to GSC Memoir 97. Two small cuts were mined by tractor, equipped with cable dozer blade in the mid-1950s. Cat mining began in earnest about 1980 as a result of the then high gold prices and has continued uninterrupted until today. The writer mined with partners along Scroggie Creek from two km below the airstrip to a point along Mariposa Creek about four km above it's mouth. Although early records have not been thoroughly researched, something like 100,000 ounces raw gold with a fineness of 905 has likely been produced from Mariposa and Scroggie Creeks between the top of Mariposa Creek and a point four-km below the airstrip on Scroggie Creek. This area coincides with the bulk of cabins, shafts and diggings associated with pre dozer-tractor mining.

A granite batholith mapped by H S Bostock in 1935-37 and shown on GSC Map 711A, Ogilvie, occurs north of the area of placer mining. Schists and gneisses of the Yukon Group underlie the placer mining area. A large body of pyroxenite underlies Pyroxene Mountain to the northeast.

During 1988, mining cuts along Scroggie Creek just downstream from Stevens Creek yielded abundant arsenopyrite crystals in the sluice-concentrates over about 300 meters. Although bedrock was examined closely, no source for the arsenopyrite could be found in the mining cuts. In 1990 a black-sand sluice-concentrate, with coarse gold recovered, was sent to Chemex Labs for multi-element analyses to determine other significant metals that might be present in the Scroggie drainage. This concentrate was highly anomalous for several elements including Au, Pd, Pt, Ag, Bi, Pb, W and Sn, which, except for the Pd-Pt are indicative of intrusion-related gold deposit. Common minerals found in sluice concentrates include gold, magnetite, garnet and kyanite.

Over 100 WINE and FISH Quartz Claims were staked in 1987 over the area encompassing the significant placer gold production area described above. Only minor representation work was recorded with a modest gold anomaly described in soils north of upper Mariposa Creek and now covered by the WOLF 29-41 claims, which are a recent restaking of the MCPHEE claims which lapsed in 2000. Quartz veins staked in 1917 are described along Mariposa Creek in this same area (Minfile O-075). Other minfile occurrences, well removed from all the recently staked claims include a Cu-Mo occurrence in upper Scroggie Creek, a U occurrence in upper Stevens Creek and a PGM-Au occurrence over Pyroxenite Mt.

The writer began prospecting the area assisted by Mr. Dave Bennett, in 1999 and staked the RUM RUN 1-20 quartz claims in Sept 1999. The writer returned in June 2000 with Mr. Dave Bennett to continue prospecting the general area, conduct representation work on the RUM RUN 1-20 and to stake the RUM RUN 21-50 and 53-59. The writer returned again in late Aug 2000 to evaluate the RUM RUN 21-50 and 53-59. In early July 2001, Mr. Dave Bennett and the writer returned to conduct additional geochemical sampling and mapping on the claims. In late August 2001, the writer returned to do additional sampling and mapping as well as conduct a VLF – EM geophysical survey over some of the claims. Work in 2003 included primarily magnetometer surveys in three separate areas and some limited geochemical surveying over one of these areas.

All work has been done with the aid of YMIP grubstake and target evaluation grants.

GEOLOGY.

"The large granitic body exposed on either side of Scroggie and Walhalla Creeks is a coarse white granite near the junction of these creeks but, farther south and east, is more nearly a granodiorite and carries large pink feldspar crystals. Along its southern contact is a zone composed mainly of hornblende and pink feldspar. The body contains numerous xenoliths of the Yukon Group and innumerable pegmatitic intrusions that, in places, make up fully 30 percent of the volume of the rock." H.S. Bostock, 1942, Map 711A, OGILVIE. Mr Jim Ryan and others of the Geological Survey of Canada have recently remapped some of the batholith and adjacent areas throughout the Stewart Map Sheet. Based on initial mapping of part of the batholith, Mr. Ryan describes the batholith as a composite intrusive complex with many phases often with diffuse contacts with country rock (personal communication). The area described in this report lies along the southern contact of this batholith. "Granite" in this area contains pink feldspar phenocrysts up to two cm long, is often foliated and contains hornblende and lesser biotite of 10 to 20 percent. This fits with Bostock's description of the granodiorite which term is used throughout this report.

A stock of granite, separated from the main batholith by three to five km of metamorphic rocks is a coarse-grained, moderately foliated granite composed of one-half cm long quartz grains set in coarse to medium-grained pink feldspar with five to ten percent variably chloritized hornblende and biotite. About 20 percent of the feldspars are white. Mafic biotite-hornblende rich xenoliths are common locally.

A large poorly defined body of pegmatite occurs northwest of the airstrip within the granite batholith. This may be a single large body or more likely an area of intense dyking (see below). It measures three by four km as defined by chips in soil pits, float in creeks, boulders on hillsides and a few outcrops. Dykes of pegmatite can be seen cutting granodiorite outcrop near camp and along adjacent Scroggie Creek. Pegmatite is typically comprised of 20 – 30 percent quartz, 50 percent Kspar, 20 percent plagioclase and <5 percent biotite plus muscovite. Miarolytic cavities are present but rare. Pegmatite can also be seen as narrow dykes within the country rocks at numerous locations. Pale buff-colored aplite is occasionally seen within the batholith as outcrop and float particularly northeast of camp.

Country rock to the batholith includes schists and gneisses of the Yukon Group. Float and outcrop of metamorphic rocks along Scroggie and Mariposa Creeks display a wide variety of textures. Most common by far are quartz-feldspar-hornblende gneisses of highly variable grain size and texture containing garnet of quite variable size and content. Kyanite, common in placer gold concentrates, is seen in float along most of Scroggie Creek as subround disc-shaped boulders of kyanite-muscovite ± garnet, ± magnetite ± staurolite (?) gneiss. Float of pegmatite, granite and chlorite and biotite rich gneisses is also common.

A quartz-muscovite ±garnet schist unit, QMS, up to a few hundred meters thick has been mapped across the area from Mariposa Creek to Cabin Creek. The unit is not massive as intercalations of other schists and gneisses do occur within it as can best be seen on the placer-mined bench opposite the mouth of Stevens Creek. Its muscovite content, generally five to twenty percent but locally over 90 percent, characterize it. Weathering of pyrite, usually forming less than one percent has produced a distinctive orange surface. The unit strikes northwest and dips about 45 degrees northeast except near Scroggie Creek. Nearing Scroggie Creek from the east, strikes become progressively more northerly and dips steepen to near vertical. This change could be caused by drag along an unexposed north-south fault with right lateral sense of movement. In 1986 during placer mining, the unit along Lower Mariposa Creek was seen by the writer to terminate against a sharp fault as shown on Figure 4. The similar rock type mapped further north of this point may be a faulted offset of the same unit and not a repetition. The unit continues east along Mariposa Creek drainage for several km.

South of the QMS unit along Scroggie Creek, from Mariposa Creek to north of Stevens Creek, a dark green to grey chlorite-biotite gneiss with fine laminations and augen of pink feldspar makes a distinctive unit at least several hundred meters thick. It outcrops across the floor of Scroggie Creek as seen during the coarse of placer mining in the late 1980's and now evidenced by the abundance of angular pieces of this rock type on the placer tailing piles. A typical specimen shown to Mr. J Ryan of the G.S.C. was identical to rocks mapped as diorite orthogneiss further west along Barker Creek and elsewhere in the general area. North of the quartz-muscovite schist, outcrops of quartzo-feldspathic gneiss containing variable amounts of hornblende and garnet make up the bulk of the exposed country rock.

The Scroggie Creek drainage in the area of this report is described as unglaciated (Duk-Rodkin 1999, G.S.C. O.F.3694). Mr. Lionel Jackson of the G.S.C. suggested that older glacial periods of greater than one my bp could have affected the area. During a placer test in the late 1980s of a bench immediately above the southwest corner of RUM RUN 59 (now lapsed), the writer examined material that looked like till. It is curious that oxidation of sulfides is absent or only shallowly developed at best on the property whereas elsewhere in unglaciated terrain it is deeply developed. The Casino porphyry Cu-Mo deposit, 25 km south is deeply leached, in places to over 100 meters. Loess is present on hillsides as was seen in two pits dug in 2001.

PREVIOUS WORK.

Previous work, described in previous assessment reports, subdivided the property into three areas named the Pegmatite Zone, the QMS Zone and the East Zone.

The Pegmatite Zone occurs on the RUM RUN 1-20. Gold mineralization occurs associated with pegmatite dykes along Scroggie Creek. Gold values up to 3020 ppb Au occur associated with very fine sulfide in quartz breccias within dykes of pegmatite cutting the foliated medium-grained hornblende granodiorite. Immediately to the west, on a moderate sloping hillside devoid of outcrop, soil samples are geochemically anomalous for gold over a one-km diameter area. The rocks and some soils are moderately anomalous for Mo, Pb and Sb. Rock chips in soils and float in creeks indicate this area occurs within a large pegmatite body or intense dyke swarm about three km in diameter. A north trending fault is believed to occur along Scroggie Creek, from evidence collected further south, and may form the east boundary of the large pegmatite body. This fault is a target for gold mineralization.

This fault and associated splays are targets for gold mineralization. The quartz-breccia sulfide mineralization within pegmatite dykes would have to be more continuous and higher grade if similar mineralization exists under the gold soil anomaly west of Scroggie Creek to be of interest. During June 2001, the placer operator on Scroggie Creek, Mr. Zdenuk Bidrman, showed the writer two gold-quartz pebbles measuring about two cm in maximum dimension. Mr Bidrman described the collection of about fifty other smaller gold-quartz pieces together with the two larger pieces from a small area of placer mining west of C184 tight against the bank. About one-quarter of the volume of the gold-quartz pieces is gold. Such pieces, though not common, were occasionally seen by the writer in placer concentrates during his mining of Scroggie and Mariposa Creeks from 1985 to 1992. The occurrence of numerous pieces of gold-quartz pebbles in one restricted area could come from several possible sources. They could be caused by gold-quartz weathered from nearby bedrock or from disintegration of a single or few pieces of gold-quartz weathered from a source previously several thousand feet above the present land surface. The first possibility offers a target worthy of pursuing as small volume high-grade veins associated with the north trending fault.

The QMS Zone occurs on the RUM RUN 21-40. A quartz muscovite schist unit (QMS) was crudely mapped from chips in soil pits across these claims over a strike length of 1500 m open to the northwest. The unit is eventually terminated against the granite-pegmatite intrusive complex in this direction, but extends over ten-km east along

Mariposa Creek where it includes the East Zone. Soil results indicated strong geochemically anomalous patterns for Au, As, Bi, Pb, Te, S and Zn over the QMS Zone. Outcrops are very rare on the hillside within the anomalous patterns but a 45-degree northeasterly dip to foliation within the QMS, and adjacent units nearby, has been well documented. Attitudes steepen to near vertical with a northerly strike along Scroggie Creek. This change of attitude is believed to be related to drag along a north-south fault along Scroggie Creek. Well-formed arsenopyrite crystals were abundant within gold placer concentrates along the portion of Scroggie Creek underlain by the QMS unit as seen by the writer in the late 1980's. The placer gold collected from this area of Scroggie Creek was also unique in being coated by a fine, deep-blood-red powder. The arsenopyrite could be related to gold mineralization associated with the north trending fault. Scroggie Creek gold is well known to be very coarse.

In the QMS target, the occurrence of anomalous Au-Bi-As-Pb in soils with Sn-W in Au placer concentrates within high-grade metamorphics in association with granite and pegmatite is indicative of intrusion related gold mineralization. The anomalous geochem patterns are obviously large enough to contain a sizeable gold deposit.

The East Zone occurs on the RUM RUN 41-50, 53-59. The claims cover part of the easterly extension of the QMS unit but only a few spotty gold anomalies in low-density sampling were indicated prior to the work described below.

CURRENT WORK.

G Richards traveled to the claims by fixed-wing aircraft from Haines Junction on July 11. At this time a magnetometer survey was performed on the QMS Zone and East Zone and a geochem survey on the East Zone. The magnetometer broke on completion of the East Zone survey. Richards traveled back to Haines Junction and Whitehorse on July 20. He returned September 16 to 25 by ATV from Pelly Farm to conduct a magnetometer survey on the Pegmatite Zone.

Work in 2003 was designed to test for continuation and intensity of a few geochemically anomalous soils on the East Zone and to conduct magnetometer surveys over the Pegmatite, QMS and East Zones. The surveys over the Pegmatite and QMS

Zones included portions of the north trending fault that was itself a target for gold mineralization as discussed above. Outcrops were mapped on the East Zone survey.

Soil samples were collected by mattock typically from depths of ten to twenty cm. About one kg of soil was collected and placed in numbered gusseted kraft sample bags. Rock samples were made up from 3 to 7 rock chips and placed in numbered gusseted kraft sample bags. A hand specimen was collected and numbered by felt pen from each rock sample site for future examination. Twenty nine soil and four rock samples were collected between previously collected samples, N23-24 and M53-55 in an attempt to test for a continuous zone of anomalous gold and pathfinder elements and evaluate the strength of any such zone. All samples were sent to Acme Analytical Laboratories in Vancouver for analysis. Results are in an Appendix.

Grids for magnetometer surveys were measured using hip chain and compass with GPS co-ordinates of a few selected points for control. Baselines were labeled A and B as indicated on Figures 3 to 5 and cross lines run at 200 m intervals along the baselines. Readings were taken at 20-m intervals with stations labeled with felt pens on flagging that were tied to trees.

The survey was conducted with a Scintrex MP2 magnetometer. Two magnetometer readings were taken at each station in order to assure a relatively quiet magnetic field. If electric storms were present or the earth's magnetic field was rapidly changing for any reason, the survey was postponed. Magnetic disturbance associated with electric storms did occur, usually in late afternoon, so much of the survey was conducted starting in early morning and continuing into early afternoon.

Results were plotted on Figures 3 and 5 after a best-fit correction of diurnal changes was made to the raw data. 57,000 gammas should be added to each reading shown on Figures 3 and 5 to bring them to absolute values. Results were then contoured to a 100-gamma interval.

RESULTS.

Magnetometer Survey.

Mag results over the Peg Zone are featureless with readings of 57,450 gammas ± 50 gammas. Refer to Figure 5.

Mag results over the QMS Zone are similarly featureless except in two areas. Along the northwest border a 100-gamma rise may reflect proximity to the granite batholith to the north. Rock chips collected from soil pits of previous soil sampling surveys in this area have mapped this contact slightly north of the 57,500-gamma contour shown on Figure 5. The northeast side of the QMS Zone mag grid maps a greater than 300 gamma rise along three lines B8, B10, and B12 and a cross line between B10 and B12. QMS outcrops on the property are overlain by hornblende ± garnet quartz-feldspar gneiss including the area immediately southwest of the 57,500 gamma contour in this area. Outcrops in placer mining cuts near the mouth of Camp Creek include a variety of rock types including kyanite ± magnetite – muscovite gneiss, chlorite schist, garnet muscovite schist with garnets to four cm diameter, fine to medium grained biotite-hornblende rich gneiss and other gneisses and schists. The mag pattern may reflect one or more of these rock types. As the north trending fault described previously is mapped to occur in this area, an offset along this fault could be located by a more detailed mag survey of the area between the QMS and Peg Zones.

Mag results over the East Zone display linear mag high features parallel to the known west southwesterly strike of metamorphic foliation. A high of 58,168 at A580sw is roughly 700 gammas above the background of about 57,400 gammas. Three distinct bands of mag highs have been interpreted from the data separated by lows about 100 gammas below background. This area of mag highs is known from a few outcrops to be underlain by biotite hornblende quartz-feldspar gneiss. The broad area of flat mag response over most of the survey is underlain by quartz muscovite schist from the north limit of the mag highs to the northern portion of the survey area. The mag data was not of much use to map the northern limit of the quartz muscovite schist known to occur from soil pits somewhere in this area.

Geochem Survey.

Figure 4 shows the mag grid and soil samples collected from the current program as well as samples from previous surveys. Sample-series N and M were collected in 2001 and show anomalous samples M53-55 and N23-24. These samples were weakly anomalous for gold and moderately anomalous for Bi, Pb, Te, Ag, and As. Samples collected in 2003 were located along a line joining these two anomalous sample series.

Results confirm the existence of a zone of soils anomalous for these pathfinder elements over an 1100-m length with a width of about 100-m. Highest gold value is 183 ppb. Soils in the areas of anomalous geochem were rich rusty orange with abundant QMS chips.

A second less well defined zone of anomalous geochem occurs at the end of line A10sw where samples Q225 to 227 were anomalous for Au (50, 204, and 1333 ppb) with anomalous B, As, and Sb. Chips from these soil pits were grey- brown unlike the immediately previous soil pits, which contain orange QMS chips

CONCLUSIONS

General.

As a general statement, intrusion related gold deposits occurring within intrusions tend to be low-grade high-tonnage targets that are rarely of economic grade. Deep leaching, absent at Scroggie Creek, is usually considered essential to make an occurrence economic. Within country rock adjacent to granites, these deposit types are highly variable in nature and include much higher grade and smaller, though significant, tonnages. Because of this, the QMS and East Zone geochemical anomalies could be leads to higher-grade gold targets of a size that would interest a major mining company. The Pegmatite Zone does have the potential to host bonanza-grade gold (>1oz/t Au) in narrow structures possibly related to the north trending fault. A similar fault related gold target exists to the south on the QMS Zone.

The mag surveys were of little use in defining geology related to possible gold mineralization. A limited amount of site specific magnetometer surveys could be of use to define the north trending fault and to map mag patterns near a specific target on the East Zone.

Fault Zone.

It was hoped that the mag survey would be most useful in mapping the north trending fault zone where it crossed the Peg and QMS Zones. Even a close scrutiny of the data fails to find a hint of a linear feature in the general area of the fault. However the high mag response at the northeast end of the QMS Zone could be useful to map an offset of the fault if a more thorough survey was conducted in this area (between the Peg and QMS Zones)

Peg Zone.

No contourable mag response occurs on this zone. A background of 57,460 ±50 gammas was present everywhere on this survey area.

QMS Zone.

A background of 57,380 to 57,520 gammas was present everywhere on this survey area except in the northwest where a 100-gamma increase may be related to the contact between metamorphics to the south and the granite batholith to the north. In the northeast, elevated values 300 gammas above background are related to a variety of metamorphics.

East Zone.

Mag results reflect the southerly contact of QMS with other schists and gneisses quite accurately. A weak mag low at A10-500sw is coincident with the highest gold soil geochem value as described. The highest mag readings, up to 58,168 gammas, occur immediately south at A8- 580sw. More mag data in this specific area may be of use relating gold with a specific magnetic signature.

RECOMMENDATIONS.

Limited additional magnetometer surveys should be conducted at two locations. Around the mouth of Cabin Creek, between the limits of the Peg and QMS Zones a mag survey should be conducted to test for a magnetic pattern showing a fault offset along the north trending fault. In the East Zone a mag survey should be conducted between A8-350sw and A12-350sw extending southwest 400m. A 100-m line spacing is recommended. This survey should be conducted along with a soil geochemical survey over the same area in an attempt to relate magnetics with soils anomalous for gold (up to 1333 ppb Au).

A conventional EM survey should be conducted over the projection of the north trending fault presently defined by proposed drag from regional mapping and one fault outcrop one km north of the Peg Zone. A mag survey proposed around the mouth of Cabin Creek may provide a much more specific location to this fault prior to the EM survey. Four lines about 400m long over each of the Peg and QMS Zones should be adequate to test this target.

It is further recommended that two trenches be dug on each of the East and QMS Zones over the Au-Bi-Te-Pb-As anomalous soil patterns to examine the style of mineralization and gold grades. The target, based on limited float, is a gold-bearing silicified zone ten-m or thicker that developed preferentially within a specific horizon of the quartz muscovite schists. Such mineralization as modeled is related to the granite batholith.

Respectfully submitted,

Gordon G Richards P.Eng.

STATEMENT OF COSTS

Wages	
G Richards July 11-20, Sept 16-25 20days @ \$600/day	12000.00
Expenses	
ATV Rental: J Bidrman July and D Board Sept	600.00
Sifton Air: Haines Junc-Scroggie-Haines Junc	2300.90
Truck Use: Whs-Haines Junc-Whs Whs-Pelly Farm-Whs 3800km @ \$0.485/km	480.00
Food: 20 man days @ \$35/day	700.00
Acme Labs A303605	537.84
Supplies: string, flagging, and sample bags, etc	100.00
Mag rental P Christopher	400.00
Report	
Drafting, writing, typing, reprod, collating	2500.00
TOTAL	**\$ 19,618.74**

STATEMENT OF QUALIFICATIONS

I, Gordon G Richards, of 6410 Holly Park Drive, Delta, B.C., Canada do hereby certify that:

1. I am a graduate of The University of British Columbia (B.A.Sc in Geology 1968, M.A.Sc in Geology 1974)

2. I am registered as a Professional Engineer in the Province of British Columbia.

3. I have practiced my profession since 1968.

4. This report is based on my fieldwork during July 11-20, Sept 16-25, 2003 and literature cited.

Respectfully submitted,

Gordon G Richards, P.Eng.

APPENDIX

GEOCHEM RESULTS

ACME ANA ICAL LABORATORIES LTD. 852 E. HASTINGS ST. V OUVER BC V6A 1R6 PHONE(604)253-3158 FAX(604 3-1716
(ISO 02 Accredited Co.)

GEOCHEMICAL ANALYSIS CERTIFICATE

Richards, Gordon PROJECT SCROGGIE File # A303605

6410 Holly Park Drive, Delta BC V4K 4W6

SAMPLE#	Mo ppm	Cu ppm	Pb ppm	Zn ppm	Ag ppb	Ni ppm	Co ppm	Mn ppm	Fe %	As ppm	U ppm	Au ppb	Th ppm	Sr ppm	Cd ppm	Sb ppm
G-1	1.54	2.90	2.60	38.6	13	4.7	4.1	532	2.02	.4	1.8	<.2	4.1	86.9	<.01	.04
Q194	1.16	14.76	14.91	58.7	141	12.6	6.7	203	2.28	5.9	1.0	2.4	4.6	19.5	.06	.27
Q195	2.87	18.06	30.32	67.2	98	6.7	5.3	184	2.41	5.0	2.9	2.5	12.7	25.6	.06	.20
Q197	3.03	25.06	27.23	65.0	102	10.9	8.1	243	3.37	8.5	2.0	12.0	11.1	36.9	.05	.21
Q198	4.21	21.59	30.81	86.4	114	15.1	8.5	233	2.89	11.9	2.5	17.2	11.5	34.1	.08	.26
Q199	3.77	18.46	23.35	49.2	138	9.3	4.6	145	2.68	12.2	1.5	8.2	8.8	27.8	.04	.23
Q202	4.48	16.65	16.94	22.8	141	5.0	2.9	118	3.14	39.0	2.2	10.0	13.8	39.2	.03	.25
Q203	2.95	10.83	12.10	31.5	135	5.0	2.8	126	2.47	32.8	1.8	3.7	8.5	36.6	.01	.22
Q205	1.95	32.70	21.04	128.0	144	3.1	4.9	495	4.78	2.1	3.9	3.4	17.3	42.0	.05	.08
Q206	1.08	18.30	11.72	100.5	96	16.3	16.5	510	3.47	5.4	1.2	.7	4.1	25.6	.07	.31
Q208	1.91	15.73	16.52	32.5	216	7.5	5.0	138	2.71	4.7	1.7	.4	4.5	31.9	.09	.22
Q209	1.58	18.43	19.49	42.9	129	7.8	5.7	242	3.33	4.3	1.8	.8	7.5	28.6	.07	.24
Q210	4.08	14.71	28.52	64.8	170	6.3	3.4	190	5.10	55.2	2.6	1.4	18.2	64.0	.05	.27
Q211	1.52	20.40	15.53	60.2	192	15.2	7.7	234	3.62	14.5	1.0	.6	6.6	22.4	.06	.41
Q212	2.39	16.74	18.25	39.9	175	11.5	6.0	211	2.71	11.4	1.0	1.4	7.6	20.5	.05	.41
Q213	3.24	28.55	18.26	29.3	121	6.7	4.0	109	3.06	14.6	2.1	2.7	11.3	41.0	.03	.20
Q214	2.29	15.99	9.25	39.0	48	15.0	8.2	187	2.86	32.2	1.4	3.8	10.3	37.9	.05	.36
RE Q214	2.28	15.23	9.43	38.2	51	14.9	7.6	190	2.87	31.6	1.4	4.0	10.2	38.3	.04	.39
Q215	1.49	24.00	24.56	45.0	123	12.6	9.4	457	2.55	8.8	.8	1.4	5.8	12.7	.10	.28
Q216	1.23	12.56	22.60	44.2	209	9.3	4.6	247	1.88	5.2	.5	.2	2.9	15.3	.11	.19
Q217	10.80	75.04	244.79	158.6	350	4.8	3.9	164	3.73	67.0	1.7	9.2	23.0	26.5	.10	.33
Q218	3.34	22.50	117.82	63.5	1342	13.7	5.4	152	2.73	15.7	.9	183.9	8.0	15.1	.08	.41
Q219	2.31	9.92	45.92	47.3	237	7.9	4.3	172	2.83	21.8	.8	.8	9.4	21.6	.10	.37
Q220	2.41	20.32	18.36	78.9	133	9.2	9.9	393	3.48	17.3	1.3	.7	7.4	13.0	.12	.57
Q221	2.02	17.05	76.76	87.6	414	12.2	4.7	188	2.95	18.6	1.6	14.1	7.8	22.3	.09	.37
Q222	2.80	18.68	47.43	84.6	345	13.5	5.4	155	2.94	12.1	1.4	5.6	6.3	31.7	.10	.24
Q223	2.02	12.25	27.78	70.7	239	10.8	8.0	213	3.17	8.3	3.0	2.2	11.4	26.3	.07	.28
Q224	1.34	12.87	5.76	102.1	68	6.5	18.3	876	4.11	3.1	1.1	6.5	7.0	42.3	.03	.19
Q225	1.80	9.55	15.16	48.2	128	5.7	5.8	229	2.00	6.8	.9	50.4	4.9	26.5	.06	.52
Q226	2.01	26.46	11.88	70.9	145	14.8	11.1	355	2.93	11.8	2.0	204.9	9.6	24.8	.07	.35
Q227	1.34	12.49	14.80	41.4	228	10.3	5.9	150	2.15	30.5	.7	1333.4	6.6	31.4	.07	1.09
STANDARD	13.03	138.00	25.54	131.6	278	24.2	11.8	744	2.86	18.1	5.9	40.0	3.0	46.9	5.42	3.40

SAMPLE#	Bi ppm	V ppm	Ca %	P %	La ppm	Cr ppm	Mg %	Ba ppm	Ti %	B ppm	Al %	Na %	K %	W ppm	Sc ppm	Tl ppm	S %	Hg ppb	Se ppm	Te ppm	Ga ppm
G-1	.14	41	.62	.084	9.8	15.9	.51	225.3	.125	2	1.06	.123	.43	1.9	2.4	.29	<.01	<5	.1	<.02	4.7
Q194	.21	46	.17	.016	13.2	22.9	.43	114.5	.068	1	1.37	.013	.07	<.1	2.2	.08	.01	18	.2	.09	4.1
Q195	.50	26	.14	.024	18.3	9.7	.17	132.8	.028	1	1.16	.016	.07	<.1	2.3	.08	.04	16	.4	.11	3.7
Q197	.51	45	.14	.029	30.2	20.5	.43	211.1	.060	<1	1.49	.033	.11	<.1	3.6	.09	.15	17	.6	.24	4.4
Q198	.58	40	.19	.023	32.3	28.8	.56	199.2	.074	<1	1.41	.032	.08	<.1	3.0	.09	.12	12	.8	.31	3.8
Q199	.29	35	.11	.031	20.0	17.6	.33	113.0	.044	<1	1.24	.034	.08	<.1	2.1	.08	.11	5	1.5	.30	3.6
Q202	.29	26	.11	.044	26.9	10.3	.20	145.6	.048	<1	1.06	.066	.12	<.1	1.7	.08	.31	23	2.6	.21	3.5
Q203	.22	29	.13	.032	20.8	11.4	.30	148.5	.061	<1	1.19	.039	.09	<.1	1.9	.08	.13	14	1.8	.20	3.7
Q205	.29	44	.10	.061	45.0	8.3	.82	233.6	.211	<1	2.12	.027	.63	<.1	2.9	.47	.24	7	1.0	.38	7.7
Q206	.20	71	.20	.031	11.6	25.4	.85	289.1	.116	1	2.13	.013	.18	<.1	3.5	.18	.02	13	.6	.09	6.1
Q208	.30	46	.11	.039	16.1	14.2	.19	142.4	.054	<1	1.20	.023	.06	<.1	1.9	.08	.06	11	.7	.13	5.2
Q209	.23	49	.15	.037	20.1	14.1	.30	260.4	.057	1	1.62	.021	.09	<.1	2.4	.12	.05	7	.6	.16	6.0
Q210	.39	47	.11	.060	32.4	14.3	.36	198.8	.093	<1	1.92	.080	.18	<.1	2.6	.16	.41	15	2.3	.27	7.0
Q211	.27	66	.16	.034	15.0	31.4	.50	175.9	.064	1	2.04	.013	.09	<.1	3.4	.11	.03	21	.7	.14	6.2
Q212	.27	47	.12	.021	15.8	24.6	.34	135.6	.051	<1	1.52	.026	.06	<.1	2.0	.09	.06	15	1.1	.28	4.8
Q213	.26	34	.08	.043	29.4	13.4	.21	188.9	.041	1	1.33	.065	.13	<.1	2.2	.11	.35	19	1.5	.17	4.3
Q214	.16	45	.12	.026	24.8	27.4	.42	157.5	.045	1	1.60	.043	.07	<.1	3.4	.09	.12	16	1.0	.09	4.2
RE Q214	.17	45	.13	.025	25.6	27.4	.43	162.0	.050	2	1.60	.042	.07	<.1	3.4	.09	.10	27	1.1	.08	4.1
Q215	.34	41	.14	.049	18.1	23.3	.35	195.0	.019	2	1.62	.008	.08	<.1	2.5	.10	<.01	14	.3	.10	4.9
Q216	.21	40	.13	.033	11.2	17.9	.29	249.1	.022	1	1.37	.009	.07	<.1	1.9	.10	<.01	13	.3	.09	5.2
Q217	1.23	20	.06	.056	47.0	9.6	.13	216.2	.008	1	.89	.047	.12	<.1	1.6	.08	.26	18	5.3	2.74	2.9
Q218	122.16	44	.12	.024	12.5	25.0	.37	144.7	.035	2	1.71	.011	.07	<.1	2.6	.12	.01	32	.9	156.71	4.3
Q219	.91	55	.14	.051	14.4	14.8	.22	127.5	.056	1	.98	.018	.07	<.1	1.8	.09	.05	20	.5	1.52	5.3
Q220	.33	59	.13	.069	10.2	21.1	.46	118.0	.062	1	1.77	.007	.09	<.1	2.9	.20	<.01	15	.3	.41	7.1
Q221	6.07	41	.19	.040	23.5	23.3	.40	115.2	.053	1	1.40	.018	.07	<.1	2.3	.13	.08	26	1.0	2.90	4.7
Q222	1.15	44	.14	.043	20.1	22.8	.44	111.4	.046	1	1.47	.025	.09	<.1	2.5	.15	.09	30	1.2	.83	4.8
Q223	.44	35	.46	.047	26.0	19.6	.41	171.7	.029	3	1.53	.014	.07	<.1	2.7	.13	.01	21	.5	.38	4.3
Q224	.04	46	.50	.153	27.0	13.6	1.14	205.9	.215	2	2.42	.024	.73	<.1	2.2	.59	.11	8	.2	.09	6.9
Q225	.13	36	.30	.032	14.5	12.6	.47	132.3	.075	1	1.29	.010	.18	<.1	1.8	.16	.01	15	.1	.38	4.9
Q226	.14	54	.43	.082	25.8	21.0	.65	273.3	.084	3	1.78	.014	.16	<.1	5.0	.15	<.01	37	.6	.16	5.8
Q227	.13	36	.33	.062	18.9	15.0	.45	132.2	.058	6	1.01	.016	.15	.2	2.3	.10	.07	17	.4	.12	3.3
STANDARD	6.20	59	.72	.092	12.0	187.6	.65	134.8	.089	17	2.00	.032	.13	4.5	3.6	1.03	.05	170	4.9	.84	6.4

Standard is STANDARD DS5.

GROUP 1F1 - 1.00 GM SAMPLE LEACHED WITH 6 ML 2-2-2 HCL-HNO3-H2O AT 95 DEG. C FOR ONE HOUR, DILUTED TO 20 ML, ANALYSED BY ICP/ES & MS.

UPPER LIMITS - AG, AU, HG, W, SE, TE, TL, GA, SN = 100 PPM; MO, CO, CD, SB, BI, TH, U, B = 2,000 PPM; CU, PB, ZN, NI, MN, AS, V, LA, CR = 10,000 PPM.

- SAMPLE TYPE: SOIL SS80 Samples beginning 'RE' are Reruns and 'RRE' are Reject Reruns.

DATE RECEIVED: AUG 21 2003 **DATE REPORT MAILED:** Sept 8/03 **SIGNED BY**.............D. TOYE, C.LEONG, J. WANG; CERTIFIED B.C. ASSAYERS

 Data___ FA ____

ACME ANA ICAL LABORATORIES LTD. 852 E. HASTINGS ST. V OUVER BC V6A 1R6 PHONE(604)253-3158 FAX(604 3-1716
(ISO ɔ002 Accredited Co.)

GEOCHEMICAL ANALYSIS CERTIFICATE

Richards, Gordon PROJECT SCROGGIE File # A303606
6410 Holly Park Drive, Delta BC V4K 4W6

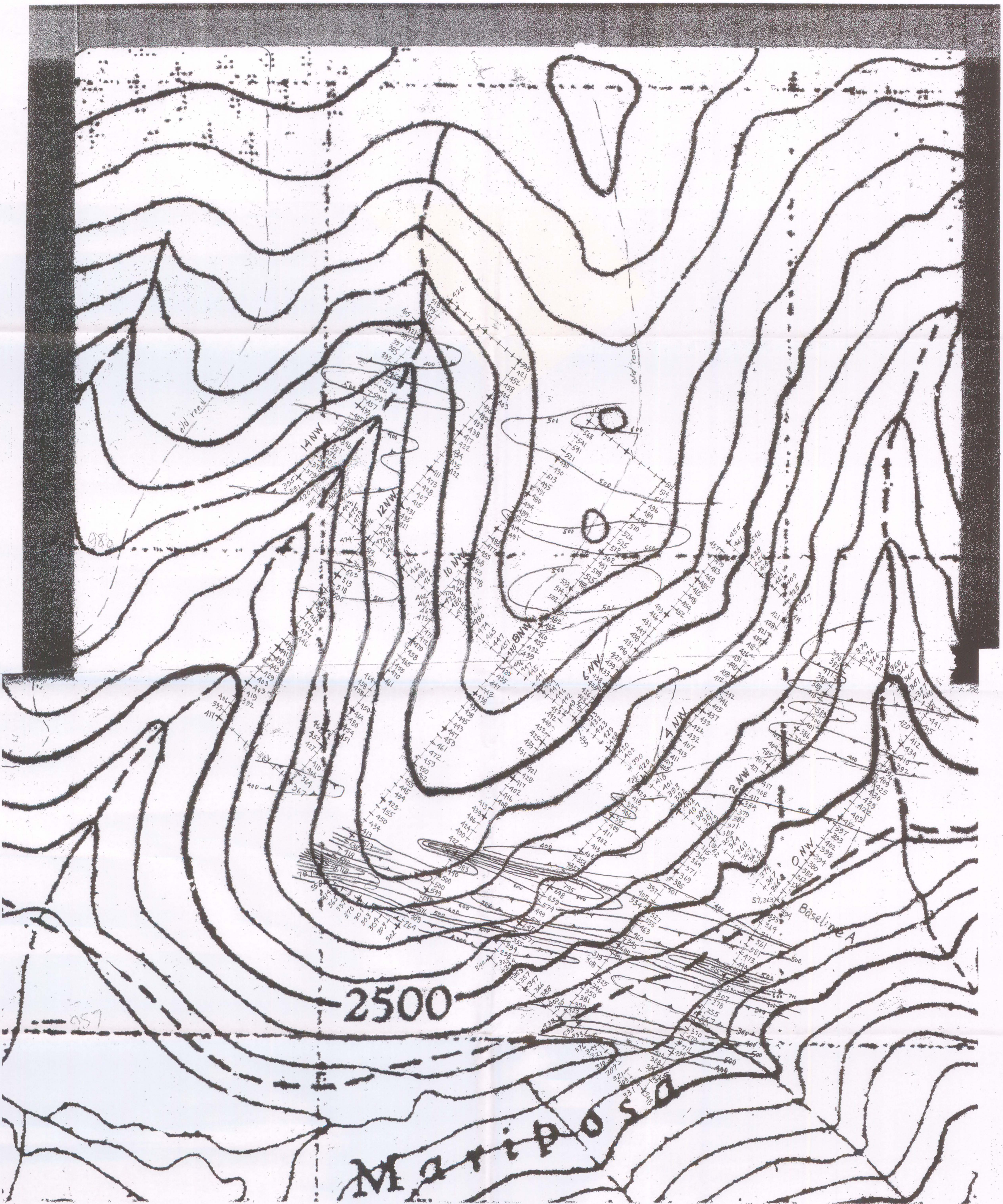
SAMPLE#	Mo ppm	Cu ppm	Pb ppm	Zn ppm	Ag ppb	Ni ppm	Co ppm	Mn ppm	Fe %	As ppm	U ppm	Au ppb	Th ppm	Sr ppm	Cd ppm	Sb ppm	Bi ppm
Q196	.36	2.90	43.71	1.5	644	1.2	.3	11	.39	4.4	<.1	41.0	.1	.8	.01	.04	2.03
Q201	2.60	3.88	74.18	1.9	1035	.3	.2	6	.67	7.1	.1	3.9	8.8	15.6	.01	.03	3.34
Q204	1.00	8.99	405.21	24.0	6143	1.4	1.3	150	1.32	4.2	3.7	14.6	14.5	17.4	.08	.07	18.57
Q207	1.98	7.18	35.09	22.8	468	.7	1.1	51	1.49	2.1	2.9	1.4	15.1	41.3	.02	.05	1.23
STANDARD DS5	12.54	136.92	26.22	140.0	290	24.5	11.7	742	2.82	18.5	5.9	42.0	2.7	47.4	5.36	3.76	6.13

SAMPLE#	V ppm	Ca %	P %	La ppm	Cr ppm	Mg %	Ba ppm	Ti %	B ppm	Al %	Na %	K %	W ppm	Sc ppm	Tl ppm	S %	Hg ppb	Se ppm	Te ppm	Ga ppm
Q196	2	.01	.001	<.5	6.5	<.01	5.2	<.001	<1	.03	.013	.01	<.1	<.1	<.02	.03	<5	.2	.47	.1
Q201	3	.01	.009	6.2	4.1	<.01	89.8	.001	<1	.20	.067	.14	<.1	.3	.02	.24	<5	.9	.77	1.0
Q204	12	.13	.018	7.0	5.4	.17	57.3	.125	<1	.89	.038	.17	<.1	2.2	.09	.04	<5	1.5	3.64	2.9
Q207	9	.10	.033	20.0	3.1	.10	75.5	.087	2	.52	.069	.19	<.1	1.4	.08	.22	<5	.9	.53	2.0
STANDARD DS5	58	.71	.094	11.3	183.1	.65	136.8	.092	16	2.00	.034	.14	4.8	3.4	1.04	.05	180	4.7	.83	6.4

GROUP 1F1 - 1.00 GM SAMPLE LEACHED WITH 6 ML 2-2-2 HCL-HNO3-H2O AT 95 DEG. C FOR ONE HOUR, DILUTED TO 20 ML, ANALYSED BY ICP/ES & MS.
UPPER LIMITS - AG, AU, HG, W, SE, TE, TL, GA, SN = 100 PPM; MO, CO, CD, SB, BI, TH, U, B = 2,000 PPM; CU, PB, ZN, NI, MN, AS, V, LA, CR = 10,000 PPM.
- SAMPLE TYPE: ROCK R150

DATE RECEIVED: AUG 21 2003 DATE REPORT MAILED: Sept 5/03 SIGNED BY C.L.......... D. TOYE, C.LEONG, J. WANG; CERTIFIED B.C. ASSAYERS

 Data ✓ FA ____



RUM RUN PROPERTY East Zone Scroggie Creek YT 105 O/1,2 115 J/15,16

Figure 3 Magnetometer Survey Jan, 2004

100γ contour interval

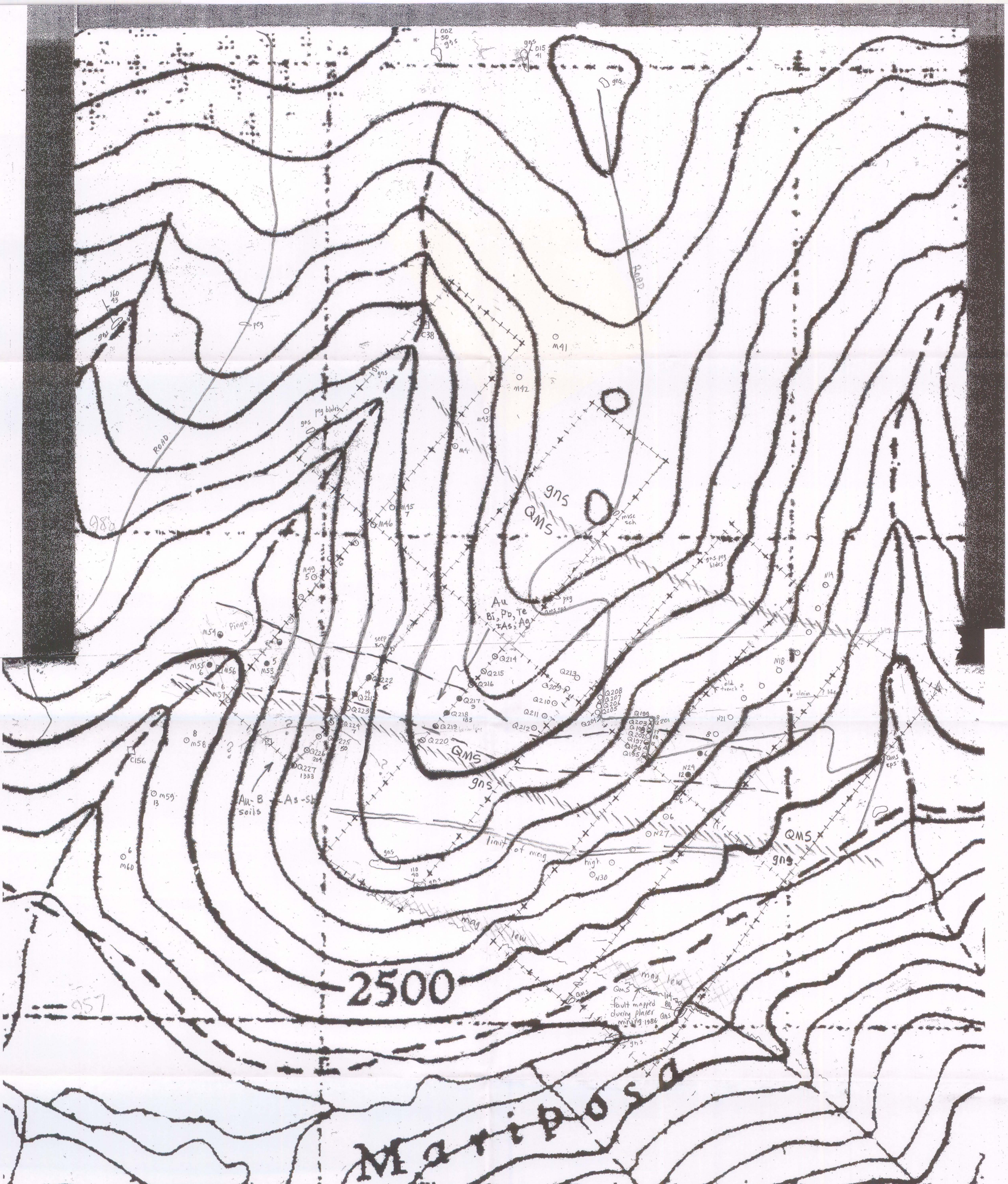
57,000 added to numbers shown

20 m interval

Scale 1:5000

0 50 100 200 300 400 500

metres



RUM RUN PROPERTY East Zone Scroggie Creek YT 1050/1,2 115 J/15,16 Jan, 2004

Geochem Survey

Figure 4

- △ Rock chip sample (float)
- ○ Soil sample
- outcrop
  - gns — gneiss
  - QMS — quartz muscovite schist
- ○6 ppb Au all values ≥ 5 ppb shown
- ◐ ≥ 0.5 ppm Bi
- ● ≥ 1.0 ppm Bi
- mag features taken from Figure 3

Scale 1:5,000

0 50 100 200 300 400 500

metres

Sept 16

RUM RUN PROPERTY Peg + Main Zones
Scroggie Creek YT 1050/1:2 115J/15,16
Figure 5 Magnetometer Survey Jan, 2004
100 γ contour interval
57,000 added to numbers shown
20 m grid interval
Scale 1:5,000
0 50 100 200 300 400 500
metres
2500
3000
Placer Mining Camp
AIRSTRIP
Baseline

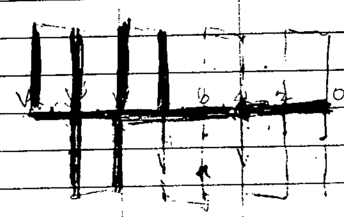
2003

G. Richards Notes

RUM RUN

East Zone

	East Zone	20 m	w along rd	line	get shed
BLA	0 NW	57,298 +	side of rd	+65	363
	20 NW	300 +		+66	
	40 NW	301 +			
	60 NW	307 ±		+67	
	80 NW	288 ±		+68	
	100 NW	295 +			
	120 NW	297 0		+70	367
	140 NW	295 +		+65	
	160 NW	314 +		+60	
	180 NW	304 +		+55	
	200 NW	312 ±		+50	362
	220 NW	310 +		+51	
	240 NW	329 +		+51	
	260 NW	332 −		+52	
	280 NW	354 ±		+53	
	300 NW	346 0		+54	412
	314	old string	// hill		
	320 NW	57,332 −		+60	
	340 NW	328 −		+65	
	360 NW	331 −		+70	
	380 NW	343 0		+75	
	400 NW	342 ±	390 just cut	+80	422 end switch back on road
	420 NW	341 ±		+79	
	440 NW	312 ±	5 min bouncing - wind	+78	problem
	460 NW	332 +	5 min	+77	400



8.9

2003-065

BLA	0NW	57,363	0	
	120NW	367	+	
	200 NW	362	+	
	300 NW	402	±	
	400 NW	422	+	
	460 NW	409	±	
	480 NW	420	±	
	500 NW	438	0	
	520 NW	429	0	pink flg 10m left ~~west~~
	540 NW	423	−	on pushdout beyond switchback
	560 NW	432	±	
	580 NW	433	−	
	600 NW	439	±	
	620 NW	449	+	
	640 NW	442	0	
	660 NW	446	−	
	680 NW	447	0	
	700 NW	454	+	briefly onto flats
	720 NW	447	0	
	740 NW	445	±	
	760 NW	447	0	
	780 NW	446	±	
	800 NW	438	−	
	820 NW	451	±	
	840 NW	447	+	
	860 NW	465	0	off flats on slope
	880 NW	474	0	
	900 NW	457	±	
	900 NW	480	0	after taking off watch
	920 NW	486	−	
	940 NW	475	+	
	960 NW	480	0	
	980 NW	473	0	

BLA	1000 NW	57,464	0		
	1020 NW	462	±		
	1040 NW	466	+		
	1060 NW	482	−		
	1080 NW	462	−		
	1100 NW	467	−		
	1120 NW	467	+		
	1140 NW	469	0		
	1160 NW	474	0		
	1180 NW	477	0		
	1200 NW	474	0		
	1220 NW	476	−		
	1240 NW	479	+		
	1260 NW	475	0		
	1280 NW	443	+		
	1300 NW	425	0		
BLA	1320 NW	~~57~~ 57,408	±	ck @ 1335 Qms	
	1340 NW	395	−		
	1360 NW	420	−		
	1380 NW	391	−		
BLA	1400 NW	57,395	+		
	NE	0 m			
A 14	20 NE	57,379	−		
	40 NE	373	±		
	60 NE	370	+	Oc gns small [illegible]	
	80 NE	376	−		
	100 NE	351	−	90 peg blds	
	120 NE	346	+		
	140 NE	340	+		1
	160 NE	394	±		2
	180 NE	408	0		3
	200 NE	443	0		4
	220 NE	461	+		5
	240 NE	605	0		6

NORPAC 1-800-480-3542 – 47 Level

255 NE tip up fig din tigns

A14	260 NE	57,503 +		7
	280 NE	539 0		8
A14	300 NE	57,461 ±		9
	320 NE	402 +		10
	340 NE	396 ±		1
	360 NE	409 0		12
	380 NE	400 −		13
	400 NE	435 +		14
	420 NE	420 ±2		15
	440 NE	433 −		16
	460 NE	496 ±	ck 450 ±	17
	480 NE	536 −		18
	500 NE	445 0		−19
	SE 0 m			
	85 m at old string		±	20 Level
A12	500 NE	418 0	SW 0 m	−20
	480 NE	442 +		1
	460 NE	474 ±		2
	440 NE	481 ±		3
	420 NE	438 −		4
	400 NE	428 0		5
	380 NE	456 0		6
	360 NE	516 −		7
	340 NE	461 ±		8
	320 NE	457 0		9
	300 NE	447 0		−30
	280 NE	453 ±		1
	260 NE	466 +		2
	240 NE	467 ±		3
	220 NE	496 0		4
	200 NE	446 0		5
	180 NE	509 −		6
	160 NE	465 0		7

NORPAC 1-800-480-3542 – 47 Level

~~KEE~~ EAST

A12	140 NE	57,445 −		8
	120 NE	454 ±		−39
	100 NE	471 −		−40
	80 NE	476 0		1
	60 NE	463 ±2		2
	40 NE	484 +		3
	20 NE	490 ±		444 (446) 4
BLA	1200 NW	520 0	hit 1190 @ 5.05 m	
	SW 0 m			
A12	20 SW	57,559 +		
	40 SW	535 ±	old string	45
	60 SW	541 ±	a u	44
	55 SW	419	624,041 / 6,988,002 ±7.9	
	80 SW	548 0		−43
	100 SW	558 +		42
	120 SW	563 ±		
	140 SW	545 ±		41
	160 SW	525 0		40
	180 SW	498 +		−40
	200 SW	512 ±		39
	220 SW	520 ±		38
	240 SW	481 ±		
	260 SW	489 0	string old	−37
	280 SW	488 ±		36
	300 SW	484 0		
	320 SW	480 ±	start Pingo ±	−35
	340 SW	484 ±		−34
	360 SW	471 −		
	380 SW	445 ±	Pingo to right	−33
	400 SW	444 −		−32
	420 SW	460 ±		−32
	440 SW	433 0	end Pingo 1	−31
	460 SW	446 ±		
	480 SW	439 ±		−30

NORPAC 1-800-480-3542 – 47 Level

A12	500 SW	57,457 –	old stny	23 9 / 14
	[SE] 0m			
	724	cps	-30	
200m		57,398	⑨ @ [illegible]	
A10	500 SW	407 +	40 [NE] 0m	
A10	480 SW	403 °	39	
	460 SW	444 +		
	440 SW	448 °	38	
	420 SW	464 °	37	
	400 SW	488 ±		
	380 SW	498 °	-38	
	360 SW	486 ±	-35	
	340 SW	488 °	-34	
	170 seep w QMS [illegible]			
	320 SW	513 ±	-[illegible]	
	300 SW	497 –	33	
	280 SW	482 °	32	
	260 SW	489 °	-[illegible]	
	240 SW	489 °	31	
	220 SW	494 –	30	
	200 SW	491 ±		
	180 SW	499 +	-29	
	160 SW	483 –	28	
	140 SW	493 ±		
	120 SW	485 ±	27	
	100 SW	496 +	-26	
	80 SW	497 –		
	60 SW	496 –	25	
	40 SW	497 –	24	
	20 SW	490 °	473 (-23)	
BLA	1000 NW	496 ±	hit 985 NW @ 501m	
	[NE] 0m			
A10	20 NE	493 ±		
	40 NE	497 ±		

NORPAC 1-800-480-3542 – 47 Level

		EAST		
A10	60 NE	57,496 ±		
	80 NE	502 °		
	100 NE	477 –	-24	
	120 NE	492 °		
	140 NE	479 –		
	160 NE	501 +		
	180 NE	508 –	-25	
	200 NE	516 ±	change veg'n	
	220 NE	539 ±		
	240 NE	527 °		
	260 NE	514 +		
	280 NE	517 °		
	300 NE	506 –	-26	
	320 NE	517 °		
	340 NE	521 –		
	360 NE	538 –		
	380 NE	517 °	-27	
	400 NE	517 +		
	420 NE	548 ±		
	440 NE	568 ±		
	460 NE	568 –		
	480 NE	596 ±	-28	
	500 NE	632 –		
	[SE] 0m			
	115m	℄ rd; open		
A8	500 NE	542 –	-29	
	500 NE	540 °		
	480 NE	543 +		
	460 NE	596 ±		
	440 NE	526 –	-30	
	420 NE	514 –	-30	
	400 NE	529 °		
	380 NE	540 ±		
	360 NE	556 –		

NORPAC 1-800-480-3542 – 47 Level

155 m OC mus sch on cement rd beds to W + to N

A8	340NE	57,555 ±
	320NE	543 ±
	300NE	533 0
	280NE	522 −
	260NE	539 + rd 20m to right
	240NE	556 ±
	220NE	514 0 old string
	200NE	565 0
	180NE	546 +
	160NE	535 −
	140NE	538 0
	370 m pig OC open w view	
	120NE	515
	100NE	495 −
	80NE	483 − QMS rigs round about
	60NE	478 0
	40NE	466 +
	20NE	473 ±
~~BLA~~	~~800 NW~~	~~472 ±2~~ BLA 787
BLA	800 NW	463 0
A8	20SW	469 ±
	40SW	481 ±
	60SW	476 0
	80SW	472 +
	100SW	473 +
	120SW	477 0
	140SW	492 ?
	155 N old rd st jnctn to W	
	160SW	478 ±
	180SW	476 0
	200SW	480 0

A8	220SW	57,485 ±	
	240SW	493 +	↑
	260SW	504 0	pink
	280SW	492 −	yellow
	300SW	482 ±	↓
	320SW	494 −	alders
	340SW	486 0	
	360SW	476 −	
	380SW	465 +	
	400SW	454 0	
	420SW	486 −	
	440SW	480 0	
	460SW	964 0	
	480SW	443 −	
	500SW	543 0	
	520SW	668 +	
	540SW	448 0	
	560SW	57,611 −	
	580SW	58,197 −	
	600SW	57,723 0	
SE 0m	20	587	
	40	943	
	60	393	
	80	365	
	100	388	
	120	329	pink OC at gns in bw
	140	331	
	160	332	gns blbo
	180	331	
	200	330	± = A6 600 SW

−27

(+23)

A6	600 SW	57,280 ±	(50)	NE 0m
A6	580 SW	241 ±		
	560 SW	366 0		
	560 SW	381 0	after watch removed	
	540 SW	493 0	by OC 110/40 N	

isoclinal folding in big slivers
musc. fspar gneiss ± qtz?
no rust at all Finely lam'd
57,826 on OC

520 SW	623	end OC @ 525 SW on hbl-fspar gns.	
500 SW	525 −		24
480 SW	476 −		
460 SW	475 0		25
440 SW	415 0		
420 SW	457 −		
400 SW	826 +		
380 SW	396 ±		26
360 SW	464 +		
340 SW	398 0		
320 SW	379 +		27
300 SW	417 −		27
280 SW	391 0		
260 SW	380 ±		28
240 SW	388 −		
220 SW	374 0		28
200 SW	389 0	start aldus	
180 SW	399 ±		29
160 SW	392 ±		28
140 SW	402 +		
120 SW	404 −		
100 SW	395 −		30
80 SW	402 −		
60 SW	410 0		

A6	40 SW	57,412 0	
BLA	620 NW	423 0	hit 625 @ 581 m
BLA	600 NW	408 0	NE 0m 435 (+31)
A6	20 NE	409 +	
	40 NE	412 0	
	60 NE	405 +	aldus
	80 NE	394 −	" rd switchback?
	100 NE	407 ±	
	120 NE	402 −	
	140 NE	408 +	
	160 NE	396 ±	
	180 NE	409 ±	
	200 NE	400 0	
	220 NE	407 0	
	240 NE	416 +	
	260 NE	400 −	
	280 NE	435 −	
	300 NE	462 ±	
	320 NE	421 ±	
	340 NE	423 −	
	360 NE	417 0	
	380 NE	434 ±	
	400 NE	454 +	390 "ridge" w qtz blebs + peg
	420 NE	437 +	
	440 NE	432 −	
	460 NE	448 0	
	480 NE	426 −	
	500 NE	424 0	SE 0m
	20	430	
	40	511	
		407	
		395	
		387	
	120	380	

NORPAC 1-800-480-3542 – 47 Level

NORPAC 1-800-480-3542 – 47 Level

	140	57,390	
	160	378	
		394	
A4 500NE	200	396 -	= A4 [SW] 0m
A4	480 NE	383 0	
	460 NE	390 ±	
	440 NE	397 -	
	420 NE	390 ±	
	400 NE	383 ±	
	380 NE	387 -	
	360 NE	385 0	
	340 NE	400 0	
	320 NE	409 -	
	300 NE	427 ±	
	280 NE	441 0	
	260 NE	411 ±	
	240 NE	415 -	
	220 NE	394 0	225 NE old trench? ± line
	200 NE	406 ±	
	180 NE	402 -	
	160 NE	395 0	alders 330 NE
	140 NE	401 0	old strip CP's 5 m rivet
	120 NE	376 0	
	100 NE	382 ±	
	80 NE	380 0	
	60 NE	388	edge rd hdg S downhill
	40 NE	374 0	likely Qms
	20 NE	382 ±	
BLA	400 NW	390 0	424 hrt (432) 405 NW 495m
A4	20 SW	303 ±	+31
	40 SW	389 0	
60	60 SW	364 +	30
40	80 SW	376 0	
	100 SW	376 ±	29

A4	120 SW	57,382 ±	47
	140 SW	383 +	28
	160 SW	374 ±	over weak ridge
	180 SW	386 -	27
	200 SW	377 +	
	220 SW	327 +	26
	240 SW	331 0	
	260 SW	339 ±	25
	280 SW	720 0	
	300 SW	674 +	24
	320 SW	635 +	
	340 SW	551 ±	23
	360 SW	426 0	
	380 SW	451 -	22
	400 SW	625 0	
	420 SW	551 0	21
	440 SW	329 -	
	460 SW	274 -	20
	480 SW	278 -	
	500 SW	311 0	19
	[SE]	0m	
		306	
		326	18
		341	
		340	17
		330	
	120	350	16
		372	
		385	15
A 220 NW	500 SW	380 ±	Qms side rd mark
200 NW	500 SW	418 ±	+14
A2	480 SW	409 -	@ W side road Qms
	480 SW	419 ±	lunch +4
	460 SW	386 0	Qms outcrops

NORPAC 1-800-480-3542 – 47 Level

A2	440 SW	57,378 0		+3
	420 SW	347 •	edge of clearing, w/ tree	
	400 SW	344 0		+2
	380 SW	324 −		[illegible]
	360 SW	307 +		+1
	340 SW	319 0		[illegible]
	320 SW	491 0		0
	300 SW	608 ± 2		[illegible]
	280 SW	546 −		−1
	260 SW	461 −		
	240 SW	465 −		−2
	220 SW	557 0		
	200 SW	530 0		−3
	180 SW	537 0		
	160 SW	409 ±		−4
	140 SW	401 ±		
	120 SW	406 +		−5
	100 SW	390 ±		
	80 SW	375 −		−6
	60 SW	377 −		
	40 SW	371 ±		−7
	20 SW	372 −		
BLA	200 NW	371 ±	362 hit (−9) 215 NW @ 50/m	
A2	20 NE	390 +	380	−10
	40 NE	382 −	371	−11
	60 NE	394 +	382	−12
	80 NE	392 −	379	−13
	100 NE	398 ±	384	−14
	120 NE	427 −	412	−15
	140 NE	424 −	408	−16
	160 NE	434 −	417	−17
	180 NE	439 0	421	−18
	200 NE	426 −	407	−19

A2	220 NE	425 0		405	−20
	240 NE	425 ±	230 ₵ rid - from ahead	404	−21
	260 NE	424 −		402	−22
	280 NE	418 −		395	−23
	300 NE	410 −		386	−24
	320 NE	426 −		401	−25
	340 NE	426 ±	off claim line	400	−26
	360 NE	416 −		389	−27
	380 NE	438 ±		410	−28
	400 NE	417 0		388	−29
	420 NE	418 0		388	−30
	440 NE	442 −		411	−31
	460 NE	414 0		382	−32
	480 NE	423 0		390	−33
	500 NE	408 ±		374	−34
		407	stry	372	−35
		402		366	−36
		391		354	−37
		398		360	−38
		405		366	−39
		405		365	−40
		422	145 ck.	381	−41
		429		387	−42
		443	base slope	400 (35)	−43
A0	500 NE	433 −	36 389	389	−44
	△ 421	625,318 / 6,987,714 ± 5.0			
A0	500 NE	469 −		389	−80
	480 NE	522 +		441	−81
	460 NE	496 0	ck @ 955	415	−82
	440 NE	503 +		420	−83
	420 NE	492 −		412	−84
	400 NE	519 ±		434	−85
	380 NE	496 0		410	−86
	360 NE	479 −		392	−87

A0	340 NE	57,481 0		396	-88
	320 NE	498 0	QMS middle pt of [illegible]	409	-89
	300 NE	515 -		425	-90
	280 NE	521 ±		430	-91
	260 NE	521 +		429	-92
	240 NE	515 0		422	-93
	220 NE	497 ±		403	-94
	200 NE	507 -		412	-95
	180 NE	503 0		397	-96
	160 NE	490 0		393	-97
	140 NE	500 +		402	-98
	120 NE	497 -		398	-99
	100 NE	494 +		394	-100
	80 NE	479 -		380	-101
	60 NE	485 +		383	-102
	40 NE	474 -		362	-102
	20 NE	460 +	363 (-102)	358 (25)	-102
BLA	0 NE	465 0	hit mark @ 520m		
A0	20 SW 394	493 -	other side rd.		-99
	40 SW 333	430 -			-97
	60 SW 364	459 0	willows		-95
	80 SW 391	484 -			-93
	100 SW 561	652 ±			-91
	120 SW 581	670 +			-89
	140 SW 473	560 0			-87
	160 SW 440	525 ±			-85
	180 SW 504	587 ±	170 start tails gry gns		-83
	200 SW 825	910 ± 2	gry tails [illegible] gns		-81
	220 SW 590	676 -	on tails ±		-80
	240 SW 307	385 0	almost ck level		-78
	260 SW 278	354 ±	settling pond		-76
	280 SW 255	330 ±	" "		-75
	300 SW 267	340 ±	" "		-73

7

A0	320 SW	57,393 0		321	-72
	340 SW	440 ±		376	-70
	335 in ck	OC QMS 104/80 N			
		fault gully 50 m upstrm			
	360 SW	538 0		470	-68
	380 SW	477 ± 2	base slope bank ck	411	-66
	400 SW	559 +		494	-65
	420 SW	463 -		400	-63
	440 SW	450 0		388	-62
	460 SW	444 ±	strip + wider	384	-60
	460 SW	408 ±		349	-59
	480 SW	422 0		365	-57
A0	500 SW	404 -		348	-56
	NW 0m				
		385 -	step	331	-54
		362 ± 2		309	-53
		375 ±	55 base slope	321	-52
		338 ± 2	bank to ck	287	-38
		OC in ck blk qtz [illegible]			
		w minor 5% [illegible]			-50
		similar step attitude			-49
	100	357	on fault	310	-47
		367	" "	321	-46
		388	" " ± backslope	349	-44
		419	" "	376	-43
		479	on trail side	433	-41
	200	578		538	-40
A2	480 SW 340	461 -		423	(-38)

102, 38, 64, 38, 76

NORPAC 1-800-480-3542 – 47 Level

East Zone @ BLA 400 NW
Q194 Bn soil much muscovite
[SW]
20 m ... uphill to i 60 flag on old trench?
BLA 400 NW [NE]
2m NE of Δ 20 NE
Q195 yllw soil QMS musc rich
30 NE Q196 RC 12" clear equant qtz bldr
40 NE ± no flag
Q197 soil from uphill bank
rich orange not really rich
but lively QMS
Q198 yllw bn soil uphill bank rd
... 60 NE
Rd runs N-S
25 m up rd from Q198
Q199 yllw bn soil Rk(s) sch MQS
Q201 RC (.) qtz fs/an musc peg w
lively limonite fxres
53m Q202 yllw orange bn soil on rd
80 m Q203 yllw bn soil
90 m switch back to left
BL540 NW rd hds 020°
very rusty section exposed on bank for
50 m
15 m from switchback Q204 RC rusty
frac ± QMS (s)
+3m Q205 orange soil
22 m uphill along rd Q206 red soil
peg + QMS rubble
34 m Q207 RC QMS frac limonite
much peg rubble here
48 m Q208 rich orange bn soil
w peg + QMS rubble

@ BLA 640 NW Q209 red soil under
10 cm red loam (loess?)
[SW] 0m
35m Q210 rich orange red bn soil rky QMS gps
70m Q211 red bn soil
105m Q212 yllsh gry bn musc rich soil
@ BLA 640NW [NE] 0m
35m Q213 yllw soil in alders incl
pale yllw QMS C horizon
Reg rubble uphill from 20m NE
A8 40 SW Q214 yllw bn soil QMS cps 10cm loam
80 SW Q215 Bn soil under 10cm loam
120 SW Q216 " " " " "
160 SW Q217 Yllw soil QMS 2-5cm loam
200 SW Q218 " " rky " 5-10cm loam
still no rusty cps
240 SW Q219 yllw soil under 10 cm loam
(S) at slab of QMS w fine limonite
250SW claim line
280SW Q220 orange bn soil MQS cps
under 5 cm loam
320 loam - soil mixture to 30 cm
320 + 330 clean flt more gneissic

Parks A10 320 SW
300 [redacted] SW Q221 bn soil mxd loam + rky soil (S) rock
250 SW Q222 " " " " " "
~~335 SW Q223 Soil QMS from Seep~~
380 Q224 sandy slightly orangy bn soil - loam
420 Q225 same org bn soil mxd.
460 Q226 gry bn soil
500 Q227 " " "

NORPAC 1-800-480-3542 – 47 Level

NORPAC 1-800-480-3542 – 47 Level

2003

G. Richards Notes

RUM RUN

QMS Zone

Scroggie Ck. QMS zone 645 635 5.2

BLA 10[illegible] 408 621,[illegible] / 6,988, 888 ± 1.7

BLA 100m NW	57,459	460
120m	423<	
140m	419°	
160	414+	
180	429+	
200	~~400+~~	406
220	400+	
240	425±	
260	424°	
280	415	
300	412	
320	395°	
A~340 NW	411'	
360	415°	
380	396'	
A-400 NW	401+	4.7.6
420	391-	
440	404°	
460	396+	
480	409+	
A-500 NW	438±	
520	422±	
540	410°	
560	410±	
580	411°	QMS [illegible]
A-600 NW	417-	423 +6
620	427±	
640	417°	
660	420-	
680	428°	
A-700 NW	420±	

NORPAC 1-800-480-3542 -- 47 Level

A 700 NW	Δ409	621,261/6,988,955 ± 7.1	
A 700 NW	57,422 0		
720	419 +		
740	420 0		
760	419 0		
780	424 −		
A 800 NW	420 −	426 +6	
820	419 0		
840	421 0		
860	429 0		
880	432 ±		
A-900 NW	431 −		
920	432 ±		
940	446 0		
960	454 0		
980	452 +		
A-1000 NW	452 +	+6 start on ridge	
1020	460 +	+3 1025 m30 n w30 soil	
1040	462 +	0	
1060	473 −	-3 off ridge	
1080	477 0	-6	
A 1100 NW	480 0	-9	
1120	478 ±	-12	
1140	487 +	-15	
1160	484 0	-18	
1180	490 ±	-21	
A-1200 NW	504 −	456 -24	
1220	486 ≡ 2 495-490-485-487-486		
1240	456 0	-20	
1260	500 −	-18	
1280	484 −	-16	
A-1300 NW	462 +	-14	
1320	470 +	-12	
1340	466 −	-10 Qms rubble	

NORPAC 1-800-480-3542 · 47 Level

A-1360 NW	57,469 +	-8	
1380	468 +	-6	
A-1400 NW	57,469 −	465 -4	
Δ410	620,720	6,989,386 ± 5.7	
1400	454 −	465 +11	
1420	~~483~~ 457 −		
1440	451 −	+12	
1460	456 −		
1480	442 0	+13	
A-1500 NW	57,451 +		
1520	438 +	+14	
1540	434 +		
1560	436 0	+15	
1580	441 +		
A 1600 NW	57,439 ±	455 +16	
1620	448 +	+14	
1640	450 ±	+12	
1660	455 0	+10 1665 creek	
1680	453 0	+8	
A-1700 NW	57,440 0	+6 "rd" 1695	
1720	447 +	+4 1711 "trail"	
1740	437 −	+2	
1760	463 ±	0 cabin [illegible]	
1780	466 0	-2 [illegible] 40m	
A-1800 NW	57,466 +	-4 462 1144 20m left	
1820	448 +		
1840	433 ±		
1860	480 ±2		
1880	460 +		(−4)
A-1900 NW	57,484 0		
1920	458 ±		
1940	447 +		
1960	457 ±	M78 @ 1930	
1980	456 −		

NORPAC 1-800-480-3542 · 47 Level

A 2000 NW		57,467 - -4 463	
NE 0m		lunch	
2000 NW	+11	452 + 463 thunder starting	
A20 20 NE	+11	457 0	
40 NE	+10	451 +	
60 NE	+9	431 +	
80 NE	+9	507 +	
100 NE	+8	543 ++	
120 NE	+7	532 −	
140 NE	+6	514 0	
160 NE	+6	499 +	
180 NE	+5	516 −	
200 NE	+5	523 0	
220 NE	+4	544 −	
240 NE	+3	561 +	
261 NE	+2	580 −	250 old sting [illegible]
280 NE	+1	536 −	
300 NE	+1	661 +	dry gulley
320 NE	0	585 −	
340 NE	0	582 −	
360 NE	-1	567 0	
380 NE	-1	583 −	
400 NE	-2	563 −	
420 NE	-2	559 0	
441 NE	-3	556 −	
460 NE	-3	544 0	clearing sky
480 NE	-4	544 +	
A20 500 NE		525 − 521 -4	
≡ BO SE	Δ 411	620,537 / 6,990, 129 ±4.8	
500 NE		525 -4 521	
SE 0		BLB	
BLB 20 SE		560 + +1	
40 SE		500 − +6	

BLB 60 SE	57,493 +	+12	
80 SE	491 ±	+17	
100 SE	467 ±	+22	53/10
120 SE	477 0	+27	
140 SE	462 0	+33	
160 SE	389 +	+39	
180 SE	424 +	+44	
BLB 200 SE	57,403 +	+49 452	
220 SE	510 ++	+30 490 - 511	5
240 SE	410 ++	+40 390 - 411	
240 SE	390 0	+80 M 65 sim right	
260 SE	308 0	+100	
280 SE	336 −	+120	
BLB 300 SE	57,308 −	+130	
320 SE	292 +	+150	
340 SE	283 −	+160 Qms cps	
360 SE	229 +	+170	
380 SE	193 0	+180	
BLB 400 SE	57,257	+195 442	
420 SE	187 =	203	
440 SE	175 0	212	83/10
460 SE	199 0	220	
480 SE	158 −	230	
BLB 500 SE	57,145 −	238	
520 SE	196 ±	247	
540 SE	171 +	256	
560 SE	159 ±	262	
580 SE	119 −	270	
600 SE	130 −	+278 408	
620 SE	127 +	+263	146/10
640 SE	121 0	+248 start [illegible] cat push OC	
660 SE	134 0	+233 to 640	gns OC
680 SE	153 ++	+218 OC gns	
690 base slope + OC		+200	

BLB	700 SE	57,199 +	+185
	720 SE	152 =	+170 edge "rd"
	740 SE	130 +	+155
	760	184 ±2	+140 bank circle
	780 SE	211 ±2	+140 790 base slope
Δ 412	621,162 / 6,989,661		
BLB	800 SE	57,276 ±	+132 403
	820 SE	354 ±2	+112 10 min
	840 SE	331 −	+110 jumpy
	860 SE	326 ±	jumpy +98
	880 SE	328 ±2	+86 106/10
BLB	900 SE	368 ±	+75
	920 SE	354 −	+64
	940 SE	357 ±2	jumpy +53
	960 SE	360 0	3x +43
	980 SE	353 ±4	jumpy +34
BLB	1000 SE	382 ++	+26 405
	1020 SE	351 −	+22
	1040 SE	422 ++	+18 380 - 422
	1060 SE	391 ±	+14 ridge ±
	1080 SE	380 +	+10
	1090		M 40
	1100 SE	399 ±	+6 41/10
	1120 SE	423 +	+2
	1140 SE	421 −	−2
	1150		claim line
	1160 SE	410 ++	−6
	1180 SE	457 0	−10
	1200 SE	451 −	−15 437
	1220 SE	447 0	−15
	1240 SE	458 0	−15
	1260 SE	465 ±	−15
	1280 SE	437 ±	−15
	1300 SE	413 +	−15

BLB	1320 SE	57,410 ±	−15
	1340 SE	437 +	−15 back bench 1330 ?
	1360 SE	463 −	−15 shaft lam 5 ?
Δ 413	621,610 / 6,989,306 ± 3.7		
BLB	1360 SE	57,434 +	0
	1380 SE	435 +	
BLB	1400 SE	57,429 ±	
	1420 SE	409 +	
	1440 SE	404 −	
	1460 SE	372 0	
	1480 SE	379 +	lip of bench
	1500 SE	370 0	
	1520 SE	359 ±	
	1540 SE	391 +	top of tails 1530 ~~386~~
	1560 SE	391 ++	
	1575 SE	365 ± 0	365 edge of trunk
SW	0 m		
B 1575	20 SW	356 ± (+9)	365
	40 SW	392 ±	+7 34/24
	60 SW	403 0	+5
	80 SW	393 0	+3
	100 SW	399 ±2 0	90 base slope
	120 SW	381 ±	−3
	140 SW	393 +	−5 almost top line to bas
	160 SW	397 −	−7 top 1 hill to bench
	180 SW	395 +	−10
	200 SW	422 ±	−12
	220 SW	431 ±	−14
	240 SW	427 −	−16
	260 SW	451 0	−19
	280 SW	450 −	−21
	300 SW	484 ±	−23
	320 SW	416 0	−26
	340 SW	496 ±	−28

NORPAC 1-800-480-3542 -- 47 Level

B1575	360 SW	57,482 ±	-30		
	380 SW	458 ±	-33		
	400 SW	451 0	-35		
	420 SW	446 +	-38		
	440 SW	436 0	-40		
	460 SW	448 +	-42		
	480 SW	426 +	-44	470 claim line N-S	
A 420NW	~~500 SW~~	452 0	(-45) 40	Rt line @ 500 m	
			on A 415 NW		
A400NW		57,437 0	37 (-40)	SW 0 m	
400 NW	20 SW	451 ±	-40		
	40 SW	434 ±	-39	-35	
	60 SW	440 +	-38	-39	
	80 SW	425 ±	-37	-38	
	100 SW	428 0	-36	-37	
	120 SW	428 ±	-35	-36	
	140 SW	432 0	-33	-35	
	160 SW	422 +	-32	-31	-39
	180 SW	421 +	-30	-34	
A4	200 SW	57,413 0	-29	-33	-33 start big trees
	220 SW	426 -	-28	[illegible]	
	240 SW	411 +	-26	-32	
	260 SW	448 0	-25	-31	
	280 SW	421 +	-24	-39	
	300 SW	416 -	-23	-29	-38
	320 SW	433 ±	-22	-25	
	340 SW	423 -	-20	-27	
	360 SW	451 ±	-19	-26	
	380 SW	430 0	-15	-21	
	400 SW	422 +	-11	-23	
NW 0 m					

NORPAC 1-800-480-3542 – 47 Level

A6	400 SW	57,400 +	-23	
	380 SW	412 +	-22	
	360 SW	400 0	-22	-37
	340 SW	406 -	-21	
	320 SW	403 ±	-20	
	300 SW	410 ±	-20	
	280 SW	402 -	-19	
	260 SW	410 ±	-18	
	240 SW	423 +	-18	
	220 SW	436 ±	-17	
A6	200 SW	460 +	-16	-36
	180 SW	430 0	-15	
	160 SW	415 +	-15	
	140 SW	422 ±	-14	
	120 SW	422 0	-13	
	100 SW	427 +	-12	-35
	80 SW	432 +	-11	
	80 SW	451 0	remove watch	
	60 SW	435 -	-10	
	40 SW	439 0	-9	
	20 SW	445 +	-	
A 620 NW		441 ±	433 (-28)	-34
hit 625 NW @ 400 m				
A 600 NW		57,461 0	433 (-34)	
A6	20 NE	449 +	-38	
	40 NE	454 +	-32	
	60 NE	461 +	-30	41 / 25
	80 NE	458 0	-29	
	100 NE	460 +	-27	
	120 NE	459 +	-25	
	140 NE	450 ±	-24	
	160 NE	446 ±	-22	
	180 NE	445 -	-20	

NORPAC 1-800-480-3542 – 47 Level

A6	200 NE	-18	57,442	+	
	220 NE	-16	449	0	
	240 NE	-15	450	±	230 claim line NS
	260 NE	-13	443	±	
	280 NE	-11	441	±	
	300 NE	-10	440	+	
	320 NE	-8	451	0	
	340 NE	-6	453	0	
	360 NE	-5	444	0	
	380 NE	-3	440	-	
	400 NE	-2	430	±	back at bench
	420 NE	0	423	+	
	440 NE	+2	423	+	
	460 NE	+4	418	0	
	480 NE	+5	420	-	
BLB	1380 SE	(+7)	428	+ 435	hit 1385 @ 491 m
B	1380 SE		420	±	
B	1200 SE	(+3)	57,444	±	(+3) [SW] 437
B 1200 SE	20 SW	+2	457	±	
B12	40 SW	0	455	±	
	60 SW	-2	444	-	53 claim line
	80 SW	-3	466	+	
	100 SW	-5	457	+	
	120 SW	-7	464	±	
12	140 SW	-8	467	±	
75	160 SW	-10	465	±	
	180 SW	-12	454	0	
	200 SW	-13	471	±	
	220 SW	-15	478	±	
	240 SW	-17	470	±	in big trees
	260 SW	-18	469	± 2	
	280 SW	-20	496	+	
	300 SW	-21	466	+	

NORPAC 1-800-480-3542 – 47 Level

B12	320 SW	-23	57,472	-	
	340 SW	-25	452	±	
	360 SW	-27	474	0	
	380 SW	-29	477	0	↑?
	400 SW	-30	496	-	small tree
	420 SW	-32	483	+	
	440 SW	-33	480	-	↓
	460 SW	-35	462	+	
	480 SW	-37	479	-	
A 800 NW		(-39)	465	+	426 hit 805 @ 498 m

A800 NW	20 SW	480		-40
A8	40 SW	470	+	-42
	60 SW	481	0	-43
	80 SW	57,476		-44
	100 SW	491	-	-45
	117	string line		
	120 SW	506	+	-47
	140 SW	493	±	-49
	160 SW	482	-	-50
	180 SW	486	±	-52
A8	200 SW	493	0	-53
	220 SW	490	+	-55
	240 SW	500	±	-56
	260 SW	493	-	-57
	280 SW	521	+	-58
	300 SW	519	+	-60
[NW] 0				
A 10	300 SW	521	0	-61
	Δ 414	620,846		
A10	280 SW	502		-62
	260 SW	511	+	-63
	240 SW	526	+	-65
	220 SW	524	±	-66

40 / 31

6,988 / 1888 ±8.3

NORPAC 1-800-480-3542 – 47 Level

A10 200SW -67 57,506 -
180SW -68 515 o
160SW -70 520 o
140SW -71 524 +
120SW -73 512 ±
100SW -74 510 ±
80SW -76 512 ±
60SW -77 514 ±
40SW -78 526 o
20SW -79 515 ±
ridge
A10 "0"SW (-79) 537 o 45
BLB 1000 NW (-83) 531 o 458 hit it @ 317 m
A10 20 NE 523 ±
40 NE 521 ±
60 NE 530 + big trees start
80 NE 517 o
100 NE 519 ±
120 NE 518 +
140 NE 517 ± ridge
160 NE 513 o
180 NE 500 -
200 NE 487 o (-80)
220 NE 496 o
240 NE 493 +
260 NE 489 ±
280 NE 506 ++
300 NE 491 ±
320 NE 488 ±
340 NE 500 o
360 NE 499 o
380 NE 504 + off ridge
400 NE 503 o "
420 NE 507 o "
440 NE 509 o

NORPAC 1-800-480-3542 – 47 Level

A10 160 NE 57,495 o
180 NE 491 o
BLB 1000 SE (-80) 488 - 409 hit 1005 @ 488 m
Δ 415 621,331 / 6,989,532 ±5.7

BLB 1000 SE 57,490 o [NE] 408 (-82)
B10 20 NE 472 -
40 NE 480 ± -83
60 NE 462 o
80 NE 467 -
100 NE 490 + -84
120 NE 472 ±
140 NE 478 + slabby gns 6lb -85
160 NE 509 -
180 NE 497 + 82 23
200 NE 475 - -86 Δ 59 73
220 NE 458 ±
240 NE 459 + -87 Δ +14 355
260 NE 466 o
280 NE 452 ±
300 NE 440 ± top step back to creek -88
320 NE 430 ± creek @ 315
340 NE 457 o on "road" -89 368
<-73>
B10 340 NE 57,385 [NW] 0m -16 369
B8 340 NE 841 ± [SW] 0m
320 NE 724 +
300 NE 607 + -17
280 NE 548 ±
260 NE 385 ±
240 NE 381 - -18
220 NE 382 +
200 NE 419 + -19
180 NE 391 -

NORPAC 1-800-480-3542 – 47 Level

B8	160NE	57,377 ++ (20)	@ base slope
	140NE	377 0	m. Jaiting up
	120NE	384 ±	" ~~"A Home"~~
	100NE (-21)	401 −	rd @ 100NE
	80NE	426 ±	mag act ±
	60NE (-22)	420 +	
	40NE	470 +	ck 45 NE 30 base slope
	20NE	444 +	
BLB 800 SE (-23)		431 ± 400	hit BLB 795 @ 325 m
	[SW] 0 m		
B8	20 SW	57,445 ±	-22
	40 SW	452 +	-20
	60 SW	446 ±	-19
	80 SW	444 0	-17
	100 SW	446 0	-15
	120 SW	448 +	-13
	140 SW	440 −	-18
	160 SW	454 ±	-9
	180 SW	450 0	-7
	200 SW	450 +	-5
	220 SW	457 ±	-3
	240 SW	453 ±	-0
	260 SW	457 +	+2
	280 SW	456 0	+4
	300 SW	450 +	+5
	320 SW	454 +	+6
	340 SW	448 0	+8
	360 SW	451 ±	+10
	380 SW	463 ±	+12
	400 SW	455 0	+14 QMS bldg
	420 SW	427 0	+16
	440 SW	449 −	+18
	460 SW	446 −	+20
	480 SW	445 ±	+20 475 spring

A4 / 25

BLA 1220 NW (+21)		57,443 ± 460	hit BLA 1225 @ 490 m
BLA • 1240 NW (+24)		440 0 464	[SW] 0m
A12	20 SW	441 −	
	40 SW +25	444 +	
	60 SW	439 −	A82 5 m W
	80 SW +26	438 0	
	100 SW	435 +	
	120 SW	440 0	
	140 SW +27	438 ±	
	160 SW	443 −	
	180 SW	451 ±	
	200 SW +28	443 ±	
	220 SW	450 −	
	240 SW	442 +	
	260 SW +29	455 −	
	280 SW	450 0	QMS bldg
	300 SW	449 −	
A12	360 SW	[NW] 0 m	10 / 43 stns
	300 SW +30	452 ±	
	20	450	
	40	445	
	60 +31	442	
	80	444	
	100	448	
	120 +32	453	
	140	451	
	160	462	felsic grains
	180 +33	453	
A14 300 SW	200	57,459 ±	[NE] 0 m
A14	280 SW	453 −	
	260 SW	449 ±	
	240 SW +34	441 −	
	220 SW	436 ±	

A14	200SW	57,445 +	+36
	180SW	445 -	
	160SW	438 -	+38
	140SW	436 -	
	120SW	433 +	+40
	100SW	430 +	
	80SW	420 ±	+41
	60SW	430 -	
	40SW	438 ±	+42
	20SW	436 -	
BLA	1400SW	422 0	(+43) 465 hit right ME @ 307m
	0m	NE	
A14	20NE	57,422 -	+40
	40NE	421 0	+37
	60NE	421 -	+34
	80NE	422 0	+31
	100NE	420 +	+28 go "subcrop" QMS
	120NE	419 0	+25
	140NE	417 -	+22
	160NE	415 -	+19 155 ck much QMS dlt
	180NE	436 0	+16
	200NE	421 -	+13
	220NE	430 -	+10
	240NE	434 ±	+7 base slope
	260NE	431 ±	+4 much visible to E
	280NE	446 0	0 265NE creek
	300NE	437 0	-3
	320NE	456 -	-6
	340NE	476 +	-9 rd here
	360NE	468 0	-12
	380NE	481 +	-15 base slope
	400NE	480 ±	-18
	420NE	455 -	-21
	440NE	452 +	-24

25 stns / 76

NORPAC 1-800-480-3542 – 47 Level

A14	460NE	57,425 -	-27	
	480NE	455 ±	-30	
BLB	600SE	(-33) 441 -	406 hit 595SE @ 490m	
B6	20NE	-35	448 +	
	40NE	-37	445 0	
	60NE	-39	450 -	
	80NE	-41	474 ±	
	100NE	-43	473 0	
	120NE	-45	484 0	
	140NE	-48	486 +	
	160NE	-50	473 -	
	180NE	-53	490 +	
	200NE	-55	469 ±	
	220NE	-57	472 -	
	240NE	-60	451 -	
	260NE	-62	513 -	
	280NE	-64	418 +	
	300NE	-66	437 ±	
	NW	0m		
B6	300NE	20 NW	436	-69
		40 NW	425	-71
		60 NW	501	-74
		80 NW	440	-76
		100 NW	447	-78
		120 NW	469	-80
		140 NW	442	-83
		160 NW	441	-85
		180 NW	447	-87
B4	300NE	57,457 ±	-90	lunch
B4	300NE	489 ±	-92	
B4	280NE	469 ±	-94	
	260NE	480 +	-96	
	240NE	492 -	-98	
	220NE	486 0	-100	

106 / 33 / 73

73 / 415 stns

416, 621, 025, 990, 61 x 5.8, 10, 4

NORPAC 1-800-480-3542 – 47 Level

B4	200NE	57,530	+ -101	
	180 NE	556	0 -102	
	160 NE	573	− -10	
	140 NE	523	+	
	120 NE	502	0 -103	
	100 NE	510	±	
	80 NE	487	± -109	
	60 NE	479	0	
	40 NE	490	±	
	20 NE	466	0 -105	
	"0" NE	460	+	
BLB	380 SE	(-106) 479	+ 373	hit @ 315 m
B	400 SE	(-71) 513	± 442	SW 0m
B4	20 SW -69	487	±	
	40 SW -67	490	±	
	60 SW -65	515	±	
	80 SW -63	508	±	
	100 SW -60	484	−	
	120 SW -58	489	−	
	140 SW -56	490	−	
	160 SW -54	507	−	
	180 SW -52	501	±2	
	200 SW -50	507	0	
	220 SW -47	540	−	
	240 SW -45	518	±	
	260 SW -43	500	±	
	280 SW -40	462	±	
	300 SW -38	480	±	base slope
	320 SW -35	480	±	
	340 SW -33	520	+	
	360 SW -30	472	±	sight BLA stn to left
	380 SW -28	473	−	365 cat trail "rd"
	400 SW -26	488	0	395 creek
	420 SW -24	473	±	

71
19
52

24 stns

NORPAC 1-800-480-3542 – 47 Level

B4	440 SW	57 476	± -22	base slope @ 430
	460 SW	468	± -20	
BLA	1600 NW	(-19) 474	± 455	hit stn @ 473 m
				15 min
BLA	1600 NW	(-19) 469	± 455	SW 0m
A16	20 SW	490	±	
	40 SW	485	+	32 m gully dry creek
	60 SW -13	511	0	
	80 SW	507	+	
	100 SW	513	0	
	120 SW -12	515	0	110 SW A100 old flag
	140 SW	505	±	CPs @ 130 to right 2m
	160 SW	499	0	
	180 SW -11	529	±	
	200 SW	486	±	
	220 SW	493	−	start
	240 SW -10	472	−	flat
	260 SW	506	0	flat.
	280 SW	498	+	
	300 SW	495	0	
	300 SW -9	488		
	NW 0m			
	20	471		
	40	514		
	60	475		
	80 -8	487		
	100	415		
	120	484		
	140 -7	482		
	160	488		creek @ 155
	180	499		
A18	300 SW 300 -6	499	−	
	NE 0m			
A18	300 SW			

A1 stns
12

NORPAC 1-800-480-3542 – 47 Level

A18 280SW 57,482 0
260SW 457 -
240SW 447 - Qms in ck @ 230
220SW 452 0 -5
200SW 465 0
180SW 456 0
160SW 487 0 -4
140SW 471 +
120SW 488 ±
100SW 539 ±
80SW 522 - -3 90SW base slope
60SW 451 + creek @ 75SW
40SW 458 ±
20SW 451 cabin centre @ 25SW
BLA 1800NW (-2) 464 0 462 hit marker @ 296m
NE 0m
A18 20NE -5 483 +
40NE -9 475 0
60NE -12 468 -
80NE -16 488 0
100NE -20 504 -
120NE -23 500 0
140NE -26 500 +
160NE -30 520 -
180NE -33 551 0 190 old string
200NE -36 601 ±
220NE -40 568 +
240NE -43 551 -
260NE -43 520 -
280NE -50 525 0
300NE -53 515 0
320NE -56 509 -
340NE -60 495 -
360NE -63 499 0

8.5 / 24 [illegible]

NORPAC 1-800-480-3542 – 47 Level

A18 380NE 57,564 - -66
400NE 667 + -70 old string
420NE 686 0 -74
440NE 534 + -80
460NE 520 0 -84
BLB 200SE (-87) 539 ± 462 hit - 195SE @ 475m
" 200SE 539 +
" 400SE 529 -
" 600SE 495 0
" 720SE 466 0
B8 100NE 461 +
B10 340NE 458 0

B10 340NE 57,387 0 (-9) NE 378 26 9
360NE 423 +
380NE 628 ± -10 approx base slope
400NE 741 ±
SE 0m
B10 20SE 400NE 57,772 0 -11
B10 40SE 400NE 796 ±
1050 OC musc gneiss 713 rdg on this small ck
1060SE 757 0 -12
1080SE 534 + 1070 base slope
1100SE 620 0
1120SE 769 0 -13 on lower tails
1140SE 608 + on tails
1160SE 618 ± -14 " "
1180SE 746 0 top of tail pile
B 1200SE 400NE 738 ± -15 on tails back to creek
B12 380NE 751 -
360NE 704 0 -16 365 creek + base slope
340NE 603 - sub crop gns past 20m
320NE 639 ± -17 nearing bench
330 nose of bench

355 5.5 / 15

NORPAC 1-800-480-3542 – 47 Level

320 NE 653 ° pic airplane

B12 300 NE 486 – -18

280 NE 458 °

260 NE 498 – -19 approx back of bench

240 NE 455 °

220 NE 429 ±2 -20

200 NE 513 °

180 NE 462 ° -21

160 NE 517 °

140 NE 435 ° -22

120 NE 468 ±

100 NE 440 ° -23

80 NE 448 °

60 NE 430 ++ -24

40 NE 447 °

20 NE 470 – -25 437 (-26) M95

BLB 1200 SE 463 – 437 krl ~~1205~~ @ 900m

1300 SE 447 –

BLB 1400 SE 435 + 429 (-6)

[NE] 0m

B14 20 NE 422 +

40 NE 427 – edge clearing ahead

60 NE 409 –

-7 73 Cache small area stripped to gravel + small 0Z? gravel

80 NE 429 ° go edge clearing

100 NE 549 ± + edge bench

120 NE 455 –

-8 140 NE 414 almost pure slope

160 NE 385 edge tails

180 NE 454 ± on tails

-9 200 NE 374 ± top "of bank to creek

[NW] 0m

1300 SE 200 NE 425 – on tails

NORPAC 1-800-480-3542 – 47 Level

1360 SE 200 NE – 423 – on tails

1340 SE 443 ± 55 base slope

1320 SE -10 446 +

1300 SE 431 – toe lip of bench

B 1280 SE -11 435 °

1260 SE 428 –

1240 SE -12 456 –

1220 SE 471 –

1200 SE (-13) 506 – 493 hit white @ 200m

1180 SE 441 ±

1160 SE 443 ∓

BLA 200 NW 57,961 ± 406 -55

100 NW 515 – 460

[SE]

BLA 80 NW 522 – edge of rk @ bend

60 NW 560 – -55

40 NW 455 ±

20 NW 460 ±

BLA 0 NW 411 466 ± blk rk back @ edge

Δ426 621,810 / 6,988,653 ± 5.3

BLA 0 NW (-64) 411 475 + [SW] 0m

A0 20 SW 398 ± on tails

40 SW 457 – high on tails

60 SW -65 541 ° near top tails

80 SW 679 ± near bottom tails

28 / 60 stns 100 SW 532 ° between tail piles

120 SW -66 536 ° start next circular tail pile

140 SW 495 ± side @ base same + p.

160 SW 464 – white Qns llan push rom W

180 SW -67 445 ± 170 & side rd

200 SW 440 ° in stripped area

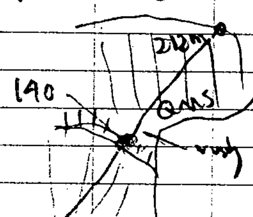
220 SW 490 +

240 SW -68 478 ±

NORPAC 1-800-480-3542 – 47 Level

A0 260 SW 57,479 ±
280 SW 505 −
300 SW 534 − -69
320 SW 498 −
340 SW 462 ±
360 SW 465 − -70
380 SW 480 −
400 SW 484 + 390 end tree stripping
420 SW 453 ± -70
440 SW 456 ±
460 SW 463 o -72 base slope
480 SW 494 ± -560 step " 72
500 SW 479 o " " -73
NW 0m
20 NW 500 SW 506 o
40 NW 500 SW 488 − -74
60 NW " 494 +
80 NW 498 − -75
100 NW 511 ± -[illegible]
120 NW 520 − -76
140 NW 500 −
160 NW 490 o -78
180 NW 488 ±
200 NW 486 +
NE 0m
A2 480 SW 490 o -78
460 SW 490 o
440 SW 495 ±
420 SW 501 ± -79
400 SW 506 ±
380 SW 503 ± -80
360 SW 501 + -80
340 SW 498 ± -81
320 SW 498 o

A2 300 SW 57,466 o -80 -82
280 SW 481 −
260 SW 468 o -83
240 SW 484 −
220 SW 473 − -84
290m C77 flag are gone
200 SW 481 o -85
180 SW 489 − bench at gentle bank
160 SW 491 − -86
140 SW 486 + qms eps
120 SW 487 o
100 SW 482 o -87
80 SW 495 o -88
60 SW 500 o -89
40 SW 501 o -90
20 SW 485 + over [illegible] of bench
A-220 NW 487 o hit A210 @ 498m
A-200 NW 57,498 ± 406 (-92)
A2 20 NE 488 ±
40 NE 509 o
60 NE 526 − steepish slope to left
80 NE 528 + base slope
100 NE 568 o on tails
120 NE 523 o " "
140 NE 510 − top of tails



160NE 57,464 +
180NE 457 +
200NE 505 −

Note - when tails contain qms there is much rust. As soon as qms is encountered NO rust!

2003

G. Richards Notes

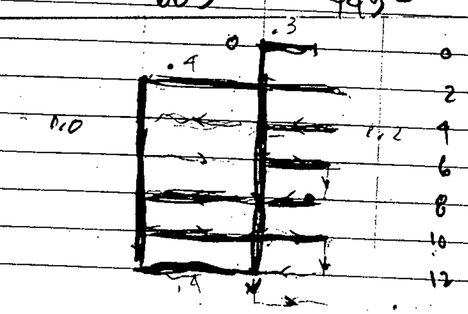
RUM RUN

Peg Zone

Peg Zone by pond ~ 400m below
[illegible] side Scrappie 20m N of
[illegible] point in rd by pond Rd 10m W

BLA 0S 300E △ 417 621,838/6,291,703 ±4.8

AO	300E	57,443 -	[N] 0m	
AO	280E	461 +		
	260E	492 -	top of 10' gd tails	
	250	[illegible] + base tails		
	240E	482 —	280± [illegible]	
	220E	453 ±		
	200E	484 0	[illegible] to the band	
	180E	477 ±		
	160E	477 -		
	140E	483 +		-12
	120E	502 +		
	100E	479 ±	middle "rd" I line stripping to S; [illegible]	
	80E	462 0		
	60E	459		
	40E	475 0		
	20E	464 •		
BLA 0S	0E	57,458 0		470 ±12
	[S] 0m			
BLA	20S	457 +		
	40S	445 -	ck @ 30S	
	60S	449 -		



NORPAC 1-800-480-3542 – 47 Level

	PEG		
BLA	80 S	57,459 ·	
	100 S	453 0	
	120 S	454 +	
	140 S	458 +	
	160 S	444 −	
	180 S	445 −	
	200 S	453 −	465 +12
	220 S	460 +	
	240 S	452 ±	
	260 S	462 0	
	280 S	453 0	
	300 S	467 −	
	320 S	447 ±	
	340 S	466 −	
	360 S	460 0	
	380 S	452 ±	
	400 S	459 −	470 +11
	420 S	445 +	string Δ uphill 5"
	440 S	466 −	
	460 S	458 +	
	480 S	443 0	+16
	500 S	447 0	
	520 S	446 0	+5
	540 S	442 +	
	560 S	448 ±	+8
	580 S	454 ±	
	600 S	453 +	460 +7
	620 S	451 ±	
	640 S	472 0	
	660 S	451 0	
	680 S	461 ±	
	700 S	464 0	+6
	720 S	460 ±	
	740 S	463 0	

	LEG			
BLA	760 S	57462 ·		
	780 S	472 −		
	800 S	465 ±	476 old +5	
	820 S	451 +	string @ 810	
	840 S	469 +		+4
	860 S	460 ±	@ back of bench	
	880 S	475 0	on bench	+3
	900 S	475 0	"	
	920 S	465 −		+7
	940 S	460 −		
	960 S	476 0		+1
	980 S	472 0		
	1000 S	461 0	990 ? string 461	0
Δ418	621,683 /	6,990,617	± 4.8	
	1020 S	462 ±		
	1040 S	478 −		
	1060 S	477 0		
	1080 S	459 ±		
	1100 S	456 +		
	1120 S	448 +		
	1140 S	443 0		
	1160 S	437 +		
	1180 S	428 0	old stringline 45° ?	
	1200 S	429 −	1190 old stringline ⊥ 432	
	lunch			
A12	0W	414 0		
	20W	437 0		
	40W	447	back of small bench	
	60W	446 −		
	80W	464 +		
	100W	471 −		
	120W	470 −		
	140W	470 ±		
	160W	467 ±		

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A12	180W	462 +		
	200W	461 0		
	220W	464 +		
	240W	459 0		
	260W	456 ++		
	280W	457 0		
	300W	439 +		
	320W	451 0		
	340W	452 0	old sting +	
	360W	440 0		
	380W	459 ±		
	390W	457 0	claim line	
BLB	1200 S	461 +	[N] 0m 460	
	1180 S	471 +		
	1160 S	462 ±		-1
	1140 S	486 0		
	1120 S	477 +		-2
	1100 S	470 +		
	1080 S	456 +		-3
	1060 S	472 0		
	1040 S	461 0		-4
	1020 S	463 ±		
	1000 S	475 -	470	-5
	980 S	477 0		-6
	960 S	499 -		-7
	940 S	478 -		-8
	920 S	492 0		-9
	900 S	500 0		-10
	880 S	502 ±		-11
	860 S	503 +		-12
	840 S	500 +		-13
	830	CPs		-14
	820 S	494 0		-15
	800 S	480 -	465	-15

BLB	780 S	479 0		-17
	760 S	480 ±		-20
	740 S	478 0		-22
	720 S	500 ±		-25
	700 S	500 0		-28
	680 S	509 ±		-31
	660 S	489 +		-33
	640 S	487 +		-36
	620 S	488 ±		-39
	600 S	511 +	460	-41
	580 S	514 -		-44
	560 S	502 -		-47
	540 S	509 +		-50
	520 S	515 ±		-54
	500 S	503 -		-57
	480 S	519 0		-61
	460 S	519 +		-65
	440 S	523 ±		-68
	420 S	521 ±	450	-71
	400 S	546 +	CP's @ 397	-74
	380 S	536 0		-76
	360 S	525 0		-79
	340 S	536 +		-81
	320 S	531		-84
	300 S	521 -		-87
	280 S	522 -		-89
	260 S	533 ±		-91
	255	yllw flag to right		-94
	240 S	532 ±		-96
	220 S	545 +		-97
	200 S	544 ±	445	-99

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B2	20E	57525 ±	-97 (-99)
	40E	522 ±	-95
	60E	518 •	-93
	80E	518 o	rain -90
	80E	517 +	
	100E	535 +	-88
	120E	527 −	-86
	140E	523 −	-84
	160E	527 ±	-82
	180E	595 −	on spring -80 w gps reg
	200E	516 ±2	-77
43/20	220E	533 −	-75
	240E	529 −	-73
	260E	544 +	-70
	280E	512 ±2 ?	-68
	300E	540 ±2	-66
	320E	576 ±2	-64
	340E	573 ±4	-62
	360E	564 ±2	-60
	380E	545 ±	to 570 -58
	400E	530 ±	-56
BLA	200S	521 −	hit mark @ 410m (-56) 465
	0m	E	
A2	0E	591 +	465
A2	20E	602 o	
	40E	600 ±2	
	60E	583 ±2	
	80E	545 ±3	
	100E	554 −	
	120E	542 ±2	110E start onto bench
	140E	579 ±	
	160E	606 ±2	170E lip bench
	180E	634 ±2	
	200E	824 −	start into tails

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A2	220E	635 ±10	willow trail
	240E	575 ±10	" at lip bank
	256E	567 +	@ creek level between bank + high tails ahead
	280E	809 ±	top of tails
	300E	601 ±	step back foot into
	320E	618 ±5	smaller unit thunderstorms
@ A2	320E	606 ±	520 (-90) gran tails
	340E	610 −	50 ¢ rd gran tails
	360E	610 o	365 top Swift to Ck gran tails
	~~South 0m~~		
@	340E	South	0m
	20	610	
	40	583	
	60+80	much steel shop tow	
	100	523	
	120	550	end of bridge
	140	606	
		line hits straight up Siggins Ck	
	160	578	on dyke
	175	culvert	
	180	657	
	200	614	≥ A4 320E not 340
A4	300E	560 ±	
	280E	553 o	
	260E	585 +	
	240E	569 ±	cold string fine slope
	220E	597	gd ± peg OCs
	200E	604	
	180E	606 ±	
	160	582 ±	top bench @ downstream end Chapman Embayment

A4	140E		57,602 +	still ... bench
	120E		579 0	
	100E		582 ±	
	80E		573 0	
	60E		568 −	
	40E		563 +	
	20E		557 +	
BLA	400S	(-89)	561 0 476	hit BLA 385 @ 400 m
	500S		550 −	
	600S		525 ± 460	E 0m (-65)
A6	20E	-65	531 −	
	40E	-64	534 0	
	60E	-63	552 0	
	80E	-63	524 −	
	100E	-62	515 −	lip bench ... -58 ... Chap Emb
	120E	-61	510 0	
	140E	-60	508 0	
	160E	-60	510 ±	
	180E	-59	530 ±	very top of tails
	200E	-58	520 ±	on tails gray-pg
	220E	-57	503 −	gr-pg tail
	240E	-57	490 ±	low on gr-pg tails
	260E	-56	506 −	" " " "
	280E	-56	511 ±	" " " "
	285 ¢ rd			
	300E	-55	57,484 −	pond to N
	310		bank walk	

FLAG king @ A8 210 E

~~DB 190E~~			463 ±	@ base slope W
~~DB 200~~	180E	-55	493 −	on waste pile
A8	160E	-54	492 0	@ top " "
A8	140E	-54	492 −	

A8	120E		57,539 ±	-53 PEG
A8	100E		511 ±	-53
	80E		510 0	-52 lip of bench
	80E		525 0	-52 after watch removed
	60E		537 ±	-51
	40E		530 −	-50
	20E		524 −	-50
BLA	800S	(-49) 476	519 −	hit 795 @ 190 m
	W			
A8	20W	-48	521 −	
	40W	-48	514 0	
	60W	-47	515 ±	
	80W	-47	528 ±	
	100W	-46	520 0	
	120W	-46	524 ±	
	140W	-45	528 ±	
	160W	-45	520 −	
	165W	-4		M11 + L3 - 580
	180W	-44	533 −	
	200W	-44	550 +	pink flag 205 + 10 N
	220W	-43	538 0	
	240W	-43	529 +	
	260W	-42	540 ±	
	280W	-42	544 0	
	300W	-41	558 −	
	320W	-41	540 −	
	340W	-40	532 =	
	360W	-40	531 0	
	380W	-39	522 −	
BLB	800S	(-39)	504 − 465	hit 805S @ 399 m
	1000S		493 0	wait 10 min
	1000S	(-33)	503 − 470	East
B10	20E	-33	513 +	
	40E	-32	506 '	

B10	60E -32	57,510 -	
	80E -31	541 +	
	100E -31	514 +	
	120E -30	501 +	
	140E -30	522 -	465 flag line
	160E -30	526 +	
	180E -29	539 -	
	200E -29	532 0	
	220E -28	528 +	
	240E -28	530 0	
	260E -28	534 -	
	280E -27	519 ±	base slope
	300E -26	514 ±	very flat
	320E -26	507 0	315 lip of bench
	340E -25	496 0	
	360E -25	489 0	
	380E -24	479 ±	
BLA	1000 S (-24)	485 0 461	hit 9955 @ 400m
A10	20E	464 0	base slope ±
	33 line ?	860	
	40E	468 +	lip bench
	60E	485 0	
	80E	501 0	70m base slope 80m shift
	100E	499 0	
	120E	489 0	110m lip bench
	140E	474 ±	
	160E	483 0	
	180E	483 0	pond

PEG

A2	320E	57,501 -	
	300E	509	
	280E	516	
	260E	465	
	180	550	
	160E	534	
	140E	496	+15
	120E	484	
	100	469	
	80E	477	
	60E	485	
	40E	469	
	20E	487	
A 200 S		450 -	465 ~~524~~ +15
A 400 S	(+4)	466 ± 476	W 0m
A4	20W	465 0	
	40W	461 ±	
	60W	463 +	
	80W	467 -	
	95	NT	flag pink
	100W	454 0	
	120W	455 0	
	140W	445 -	
	160W	440 +	
	180W	439 ±	
	200W	447 0	
	220W	435 ±	
	240W	444 ±	
	260W	435 -	
	280W	450 ±	
	300W	445 -	
	320W	441 0	
	340W	436 ± 2	
	360W	444 0	

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	365		old string	
A 4	380W	57,	440 –	
BLB	420 S	(+3)	447 –	450 hit 415 @ 406 m
BLB	600 S		465 ±	
	600 S	(–16)	476 +	460 [E] 0 m
B6	20 E	–16	440 0	
	40 E	–16	441 0	string yellow flag
	60 E	–15	445 +	
	80 E	–15	463 +	
	85 E	–15	473	flag 10 m S
	100 E	–14	436 –	
	120 E	–14	457 0	
	140 E	–14	469 ±	
7/20	160 E	–13	473 '	
	180 E	–13	441 –	
	200 E	–13	445 0	
	220 E	–12	437 –	
	240 E	–12	466 –	
	260 E	–12	462 –	
	280 E	–11	467 0	back bank (seakone)
	300 E	–11	478 –	
	320 E	–11	471 –	
	340 E	–10	469 +	330 lip bend
	360 E	–10	478 ±	
	380 E	–9	460 –	
BLA	600 S	(–9)	469	460 hit exactly on @ 400 m

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