BRITISH COLUMBIA

PROSPECTORS ASSISTANCE PROGRAM

MINISTRY OF ENERGY AND MINES

GEOLOGICAL SURVEY BRANCH

PROGRAM YEAR:	2000/2001
REPORT #:	PAP 00-31
NAME:	DAVID KENNEDY

D. TECHNICAL REPORT

- One technical report to be completed for each project area.
- **Refer to Program Regulations 15 to 17, pages 6 and 7.**

SUMMARY OF RESULTS

- This summary section must be filled out by all grantees, one for each project area

Information on this form is confidential subject to the provisions of the *Freedom of Information Act.*

Name David Kennedy **Reference Number** 2000/2001 P131

LOCATION/COMMODITIES

Project Area (as listed in Part A) POLY MINFILE No. if applicable

Location of Project Area NTS 104 A 4E Lat 56° 07' N Long 129° 34' W

Description of Location and Access Entrance Peak / Strohn Creek Area, west of Meziadin Lake. Access is via Highway 37A which runs east-west through the property.

Prospecting Assistants(s) - give name(s) and qualifications of assistant(s) (see Program Regulation 13, page 6) David Molloy BA, BSc, prospector

Main Commodities Searched For gold, silver, copper, lead, zinc, arsenic

Known Mineral Occurrences in Project Area Stewart Highway Zone, 37A Zone, Fitzgerald (Minfile 104A025) Bear Pass Mining (Minfile 104A028) Galena Creek Target.

WORK PERFORMED

1. Conventional Prospecting (area) ± 75 ha
2. Geological Mapping (hectares/scale) 10 ha 1:500 30 ha 1:25,000
3. Geochemical (type and no. of samples) 114 soil 44 rock 20 stream sediment
4. Geophysical (type and line km) –
5. Physical Work (type and amount) clearing windfall old Hwy 37A ½ day
6. Drilling (no. holes, size, depth in m, total m) –
7. Other (specify) –

Best Discovery

Project/Claim Name Poly 2 / Poly 3 Commodities Au, Cu, Zn

Location (show on map) Lat. 56° 06' 20" N Long 129° 32' 10" Elevation 1300 feet

Best assay/sample type Sample # 686751 RF – 33.22 g Au/t, 5894.9 g Ag/t, 1.42% Cu, 4570 ppm Pb, 1.19% Zn, 153.5 ppm Cd >1,000 ppm As boulder in creek.

Description of mineralization, host rocks, anomalies Based on the geochemistry the mineralization appears to be polymetallic copper lead zinc with a gold and silver association. The most favourable host rock is Unuk River Formation of the Hazelton Group, particularly in the vicinity of Eocene Intrusions

FEEDBACK: comments and suggestions for Prospector Assistance Program Excellent Program to stimulate early stage programs in the province.

B.C. Ministry of Energy and Mines

Minfile Number Label
Developed Prospect
Past Producer
Producer
Prospect
Showing
All Others

ROADS (250)

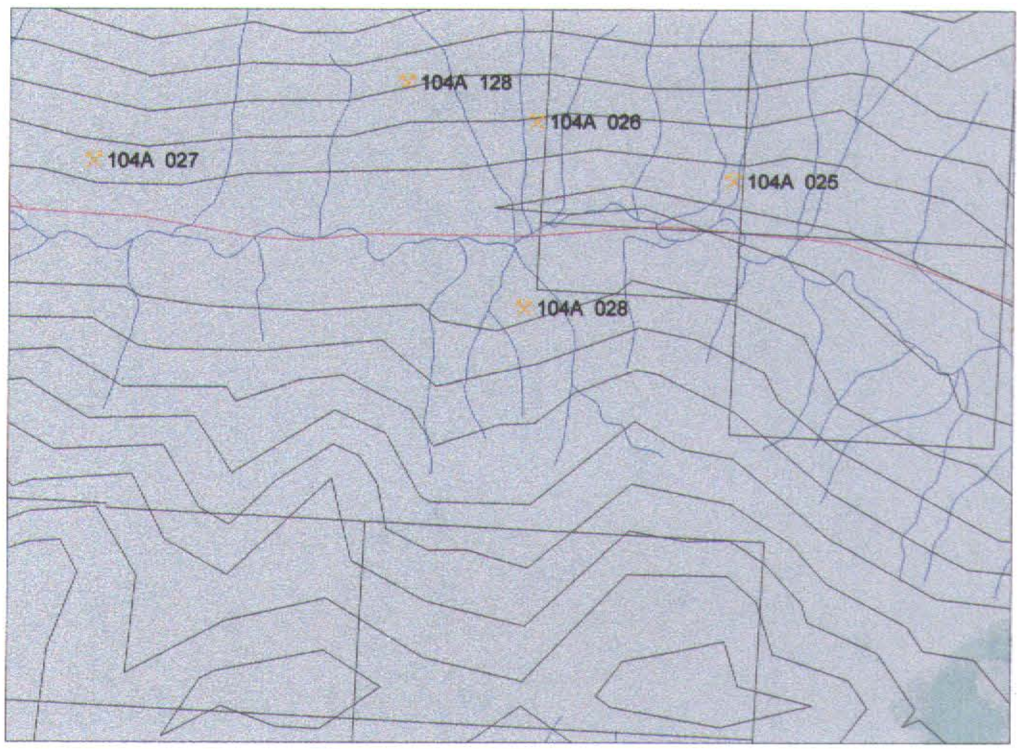
Contours (250)

MINERAL TITLES transparent
All Others

Streams (1:50k)

1:50k Grid

BC Border (1:2m)



SCALE 1 : 56,578

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2000 GEOCHEMICAL AND GEOLOGICAL SURVEYS CARRIED OUT TO PRIORITIZE DETAILED FOLLOW-UP TARGETS

ENTRANCE PEAK AREA:

LATITUDE 56° 07' NORTH

LONGITUDE 129° 34' WEST

NTS 104A/4

SKEENA MINING DIVISION

STEWART GOLD CAMP

NORTHWESTERN BRITISH COLUMBIA

BY

DAVID R. KENNEDY

DECEMBER 2000

SUMMARY: 2000 ENTRRANCE PEAK PROJECT

CARRIED OUT ON THE POLY 1-7 MINERAL CLAIMS:

The Poly 1-7 mineral claims straddle the Strohn Creek Valley and Highway 37A located in the Entrance Peak Area of the Stewart Gold Camp Northwestern British Columbia, approximately 42 km east of the town of Stewart. The claims were staked in August of 1999 and July of 2000 as parts of initial exploration programs with financial help from the Ministry of Energy and Mines in the form of Prospector's Assistance Grants.

The Poly Claims are located about 42 km east of Stewart or about 18 km west of Meziadin Lake, in the Entrance Peak Area of the Stewart Gold Camp of Northwestern British Columbia. The author's prospecting partner, David Molloy staked the Poly 1-4 Claims in August 1999, as part of a regional geochemical stream sediment and geological evaluation of various, currently unexplored environments in the camp.

In 1999 an area of oxidized soil and altered (limonitized, chloritized, carbonatized, silicified, sericitized, sulfidized, brecciated), angular sub crop boulders and large blocks, herein the 37A Zone, was discovered in tag alders between the old Hwy 37A and the new Hwy 37A. The 37A Zone was evaluated via initial prospecting and geological and geochemical surveys on the Poly 2 Mineral Claim. A small flagged grid was installed and 8 B-horizon soil samples were collected. The samples returned rather anomalous Au, Cu, Pb, Zn and As values, along with anomalous Ag, Cd, Mo, Ni, Co contents; and, some anomalous Sb, Hg and Ba values. Thirteen of the 15 composite sub crop samples of altered crystal tuff breccia had anomalous Au contents ranging up to 70 ppb. All the rock samples had strongly anomalous Cu contents, averaging 198 ppm. They also had weakly anomalous Ag contents, and some anomalous Mo and Sb contents, ranging up to 23 ppm and 10 ppm, respectively.

same as Molloy report.

The alteration is similar to, and appears to constitute the along strike, southern extension of the historic Stewart Highway Zone polymetallic showing. If this interpretation were correct, the Stewart Hwy Zone would have a strike length of approaching 2 km, with substantial evidence of additional, parallel and/or en echelon zones proximal to it.

The Stewart Highway Zone is exposed in the streambed of Boundary Creek, on the north side of the Hwy 37A Valley, about 800 m north of the 37A Zone. Its importance was first indicated via talus blocks discovered north of the old Hwy 37A, which returned up to 56.85 g Au/t, 520 g Ag/t, and 15.2% Zn (Kennedy, 1992). The mineralization is associated with a north-northwest trending fracture system, located near the contact of brecciated and silica flooded Hazelton volcanic rocks and argillites of the Salmon Arm Formation. The zone is located on the west side of a quartz monzonite pluton and consists

chalcopyrite, and tetrahedrite. Chip samples returned up to 9.85 g Au/t, 1163 g Ag/t, 0.33% Cu, 0.54% Pb and 0.33% Zn across a 3 m width (Kennedy, 1992). Selective sampling of a sulfide rich section of a quartz vein returned 123.3 g Au/t; 1897 g Ag/t; 0.85% Cu, 5.79% Pb and 0.47% Zn over 15 cm.

It was concluded that the 37A Zone constituted a very interesting follow-up target, particularly in view of the infrastructure, which includes highway and trail access, and the Stewart Power Line on the property. Detailed follow-up geochemical and geological surveys were initiated in 2000 as part of the Prospectors Assistance Programs of the author and, of David Molloy. The Kennedy activities described herein, with Molloy as prospecting partner for some of the work, followed-up the aforementioned 1999 results. The work included the staking of the Poly 5-7 Claims; the installation of a flagged and chained grid on the 37A Zone; and, the collection of 114 soil samples, 20 stream sediment samples and 44 rock samples. The positive results are interpreted as confirmation of the importance of the 37A Zone i.e.; the favourable alteration and prospective geochemical signature evidence the southeastern extension of the Stewart Highway Zone. Furthermore, the work suggests the zone has significant size potential – a strike length of over 1.5 km (2 km with the Molloy extension to the south east); and, that Eocene intrusions in the Stewart Camp can entail geological environments with considerable potential for precious and base metal mineralization.

Gold soil values ranged from <5 ppb to a high of 390 ppb Au and averaged 36 ppb Au. Contouring the gold soil values starting at 30 ppb produced an area in the shape of an inverted "V" some 60 m along each "wing". The highest gold values in soil have a high correlation to high copper values in soil. There are four areas with coincident anomalous values; in three areas the copper values exceed 250 ppm Cu in the remaining area copper exceeds 200 ppm with the gold values in excess of 50 ppb Au.

Gold rock values ranged from 5 ppb Au to 33.22 g Au/ t and averaged 25 ppb excluding the two ore grade samples referenced below. The highest rock value, from the grid area, is 135 ppb. The best gold value encountered in the present program comes from a slide in a creek draining the Stewart Highway Zone located 35 m north of old Hwy 37A at 5+35m west of the baseline. This sample yielded 33.22 g Au/t in a sulfide rich boulder with obvious arsenopyrite. A second sample from the same location returned 9.93 g Au/t.

Silver values in soil ranged from <0.2 ppm to 1.6 ppm and averaged 0.4 ppm Ag. Values exceeding 0.5 ppm Ag cluster in a generally north west trending band up to 100 m wide and extending off the grid area to the north west. As currently evaluated, and open for extension, the cluster of elevated values exceeds 350 m. The highest value in soils is 1.6 ppm Ag and occurs generally in the center of the trend. Silver shows only a broad correlation with the other elements plotted.

Silver values in rock samples range from <0.2ppm Ag to 5894.9 g Ag/t and averaged 1.0 ppm Ag. Two sulfide rich samples taken in a creek draining the Stewart Highway Zone returned 5894.9 g Ag/t and 41.2 ppm Ag respectively. The highest rock value in the grid area was 17.6 ppm Ag located on L1+50S at 0+30E..

Analytical results for copper range from 31 ppm Cu to 317 ppm Cu and averaged 148 ppm Cu. Anomalous values align in a northwesterly trend, with clusters of values exceeding 200 ppm Cu occurring in generally north or northeast trends. These have a periodicity of about 100 m. The author speculates that north to northeast trending mineralized cross structures may be responsible for this pattern. Copper correlates best with gold but also with lead, zinc, arsenic and cadmium. A broad, general correlation is present with cadmium, most of the values above 200 ppm Cu occur within the 2.0 ppm Cd contour. Copper shows a general correlation with barium, particularly at the 200 ppm level for both elements.

Copper values in rock within the grid area range from 22 ppm Cu to 490 ppm Cu and averaged 197 ppm Cu excluding the samples with ore grade gold. The highest copper value in the project area comes from a sulfidized boulder in a slide in a creek draining the Stewart Highway Zone. This boulder with abundant arsenopyrite and almost 10 grams gold assayed 1.42% copper.

Sampling results for lead ranged from 6 ppm Pb to 86 ppm Pb and averaged 27 ppm Pb. Anomalous soil values generally coincide with yellow or orange oxidized soil. A north-northwest trending pattern is obvious at the 30 ppm Pb contour. The soil anomaly is approximately 150 m wide by 250 m long and generally coincident with the other elements noted above. A general correlation with copper and zinc is apparent.

Lead values in rock ranged from 2 ppm Pb to 4570 ppm Pb and averaged 80 ppm Pb excluding the samples with ore grade gold. The best lead value from rock within the grid area is 2650 ppm. The best lead value in the project area comes from a sulfidized sample in a slide on a creek draining the Stewart Highway Zone; this sample returned 4570 ppm Pb.

Most of the grid area is underlain by anomalous soil values in excess of 150 ppm Zn. Soil values ranged from 50 ppm Zn to 398 ppm Zn and averaged 213 ppm Pb. In general terms values drop to below 150 ppm more or less along the old HWY 37A. This is believed to be the approximate contact of the Hazelton Group with the Eocene quartz monzonite intrusive. Three prominent zinc soil anomalies are present; a north east trending 100 m by 20 m zone; a zone trending north-north east approximately 150 m long by 40 m wide (and open to the south west); and a zone which appears to trend north west which is about 130 m wide by 150 m long and open to the south east. The zones may indeed be parts of a north west trending zone which is cut by northwest trending cross structures. The soil anomaly patterns are similar to those observed for copper.

Rock sample results ranged from 34 ppm Zn to 1.19% Zn and averaged 204 ppm Zn excluding the high value. The highest zinc value in the grid area from rock sampling was 2890 ppm Zn. The best zinc value in the project area comes from a sulfide rich sample in the slide of the creek draining the Stewart Highway Zone; this sample returned 1.19% Zn.

Analytical results for cadmium in soil ranged from <0.5 ppm Cd to 5.0 ppm Cd and averaged 1.2 ppm Cd. Anomalous values in soil (greater than 1.0 ppm Cd) show a pattern similar to the higher zinc values. A north west trending anomaly approximately 150 m by 120 m is centred on the 5.0 ppm Cd value and is open to the south east.

Cadmium values in rock samples ranged from <0.5 ppm Cd to 153.5 ppm Cd and averaged 1.2 ppm Cd without sample 565751RF, referenced below or 5.0 if this sample is included. Cadmium values in rock within the grid area range up to 22.5 ppm Cd in a sample on the baseline at 0+80S. The highest cadmium value in the project area comes from a sulfidized boulder in a slide in a creek draining the Stewart Highway Zone. This boulder with abundant arsenopyrite yielded 153.5 ppm Cd.

Sampling results for arsenic ranged from 12 ppm As to 150 ppm As and averaged 69 ppm As. The sample which produced the 150 ppm As value is located south and down slope from the Stewart Highway Zone. Anomalous soil values (greater than 25 ppm As) occur within most of the grid area. A strong (>75 ppm As) north-north east trending anomaly some 130 m by 25 m occurs on the western margin of the grid. An area of higher values some 110 m wide by 170 m long (>75 ppm As) occurs in the southeast quadrant of the grid and remains open to the southeast. The highest soil value within the grid area is 122 ppm As located north of the open gravel parking area.

Values in rock samples ranged from <2 ppm As to >10,000 ppm As and averaged 21.5 ppm As excluding the samples referenced below. The best arsenic value from rock within the grid area is 530 ppm As just north of old Hwy 37A about 100m east of the baseline. The best arsenic values in the project area comes from sulfide rich samples taken in the slide of the creek draining the Stewart Highway Zone; these samples returned >1000 and >10,000 ppm As respectively, the same samples with high grade gold.

Sampling results for barium ranged from 70 ppm Ba to 350 ppm Ba and averaged 181 ppm Ba. Anomalous soil values (greater than 200 ppm Ba) are found within most of the grid area. A cluster (120 m by 110 m) of values greater than 250 ppm Ba is located in the eastern part of the survey area and remains open to the south east.

Rock sample results ranged from 10 ppm Ba to 440 ppm Ba and averaged 121 ppm Ba. The best barium value from rock within the grid area is 440 ppm Ba on L 0+50S at 0+90W. Another high value within the grid area is 350 ppm Ba located just north of Hwy 37A at 0+75 m east of the baseline.

landslide/ morraine

The geological survey revealed the grid area contains very little actual outcrop, however a good appreciation of the underlying bedrock can be gleaned from the abundant float and material encountered in the soil sample holes. The majority of the grid area seems underlain by Hazelton Group crystal tuff and crystal tuff breccia. The rocks are generally altered, silicified, sometimes chloritized, well fractured, well sulfidized, well oxidized, usually with limonite. Pyrite, arsenopyrite, chalcopyrite, bornite, sphalerite and galena have all been noted and are most apparent in some of the larger (up to 2 m) blocks particularly in the open areas near the baseline with highly oxidized soil. They usually break down forming an orange to yellow colored soil. To the west of the grid area most of the rock noted both in float and from the soil holes is mostly Bowser Lake Group sediments generally black to dark grey, fine grained siltstone and mudstone. They are generally less altered than the volcanics but sometimes pyrite was noted, particularly in fractures. Just to the north of the end of the base line a fairly large outcrop of quartz monzonite is present. This is a part of the Eocene age intrusion mapped by Grove. The contact of the intrusion is essentially on the old Hwy 37A.

The Molloy activities are described in a separate report, with Kennedy as prospecting partner for some of the work, focused on the southeastern, along strike extension of the targets outlined by the 1999 work; and, by the 2000 Kennedy work. These activities were carried out on and in the vicinity of the avalanche control station road on the Poly 3 Mineral Claim. They comprised reconnaissance geological surveys; and, reconnaissance and detailed geochemical surveys. The activities included the collection of 23 B Horizon soil samples, 12 rock samples and two stream sediment samples. The samples were analyzed for gold (FA/AA) and for 34 additional elements (ICP).

The results of the Molloy fieldwork are indicative of at least an additional 500 m extension of the Highway Zone Target Area to the southeast. The geological surveys indicate the area is mainly overburdened covered. However, the ubiquitous angular, oxidized tuff breccia boulders are deemed to be rather representative of the underlying bedrock. The boulders are often mineralized with disseminated pyrite, arsenopyrite, pyrrhotite and traces of sphalerite, galena and chalcopyrite. The 12 samples of float rock and sub crop have gold and copper contents ranging between <5 and 270 ppb and 18 and 293 ppm, respectively. Eleven of the samples have anomalous gold and copper contents which average 79 ppb and 184 ppm, respectively.

Based on the author's experience in the Stewart Camp, the polymetallic geochemical signature and favourable alteration on the apparent, southeastern extension of the 37A Zone are characteristic of geological environments in the Stewart Camp that can host significant gold-copper and/or silver-lead-zinc mineralization. Evidence of ore grade mineralization has been found and continues on the Poly Property. However, the Stewart Highway Zone has never been subject to geophysical scrutiny and drill testing. Detailed historic work has apparently never been carried out on the 37A Zone and its apparent extensions.

It is recommended that a grid with lines at a 25 m spacing and orientated east west be installed from Strohn Creek in the south to the Stewart Highway Zone in the north, as topography permits. The grid area would include the power line corridor south of Hwy 37A, the new Hwy 37A and the old Hwy 37A. Work to date suggests that the target mineralization is associated with sulfidized fracture zones, particularly where silicification is most intense. IP and magnetometer surveying is thus proposed to locate chargeability and associated resistivity and magnetic anomalies, in order to delineate the southern strike extension of the Stewart Highway Zone and parallel zones. Geological and geochemical surveys would be carried out on the grid to follow-up and prioritize the IP anomalies as drill targets. A $95,000 budget is proposed to advance the property to the diamond drilling stage in 2001.

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REPORT ON THE POLY 1-7 CLAIMS,

2000 ENTRANCE PEAK PROJECT

SKEENA MINING DIVISION,

NORTHWESTERN BRITISH COLUMBIA

1. INTRODUCTION:

The following report reviews the work carried out as a year 2000 prospectors Assistance program on the Poly 1-7 Claims (Map 1). The property is located in the Entrance Peak Area of the Stewart Gold Camp (Figures 1,2), Northwestern British Columbia. The Poly 1-4 claims were staked in 1999 to cover a number of interesting, historic polymetallic showings i.e. the Stewart Highway Zone and its possible southern along strike extension. The Property was expanded in 2000 with the staking of the Poly 5-7 Claims, which cover the Galena Creek and Cornice Mountain historical showings. The major work effort focused on the probable extension of the Highway Zone in the vicinity of old and new Stewart-Cassiar Highway 37A.

The exploration target is epithermal gold and polymetallic mineralization associated with silicified and sulfidized volcanic and sedimentary rocks in proximity to the Entrance Peak quartz monzonite intrusion (Figure 2A). Relevant Stewart Camp exploration models hosted by altered Hazelton Group rocks include the historic Silbak-Premier deposit (Figure 2), which produced 56,000 kg of Au and 1,281,400 of Ag from 1918 to 1976; and the Marc Zone, Red Mountain (Figure 2) type mineralization (auriferous pyrite and chalcopyrite in fracture controlled, often brecciated zones associated with Jurassic intrusions), which totals about 1M oz grading 10 g Au/t.

2. POLY PROPERTY:

The Poly 1-4 Claims are registered in the name of David E. Molloy, the author's prospecting partner. The Poly 5-7 Claims are registered in the author's name, David R. Kennedy. The claims comprise 93 units as shown on BC Mineral Titles Map 104A04E (Map 1, Table 1) and cover approximately 23 square km.

TABLE 1

POLY CLAIMS, ENTRANCE PEAK PROJECT:

CLAIM	UNITS	TENURE NO.	ANNIVERSARY DATE
POLY 1	12	370975	AUGUST 17, 1999
POLY 2	16	370976	AUGUST 17, 1999
POLY 3	12	370977	AUGUST 17, 1999
POLY 4	3	370978	AUGUST 17, 1999
POLY 5	18	378755	JULY 17, 2000
POLY 6	16	378756	JULY 17, 2000
POLY 7	16	378757	JULY 17, 2000

TOTALS: 7 CLAIMS; 93UNITS

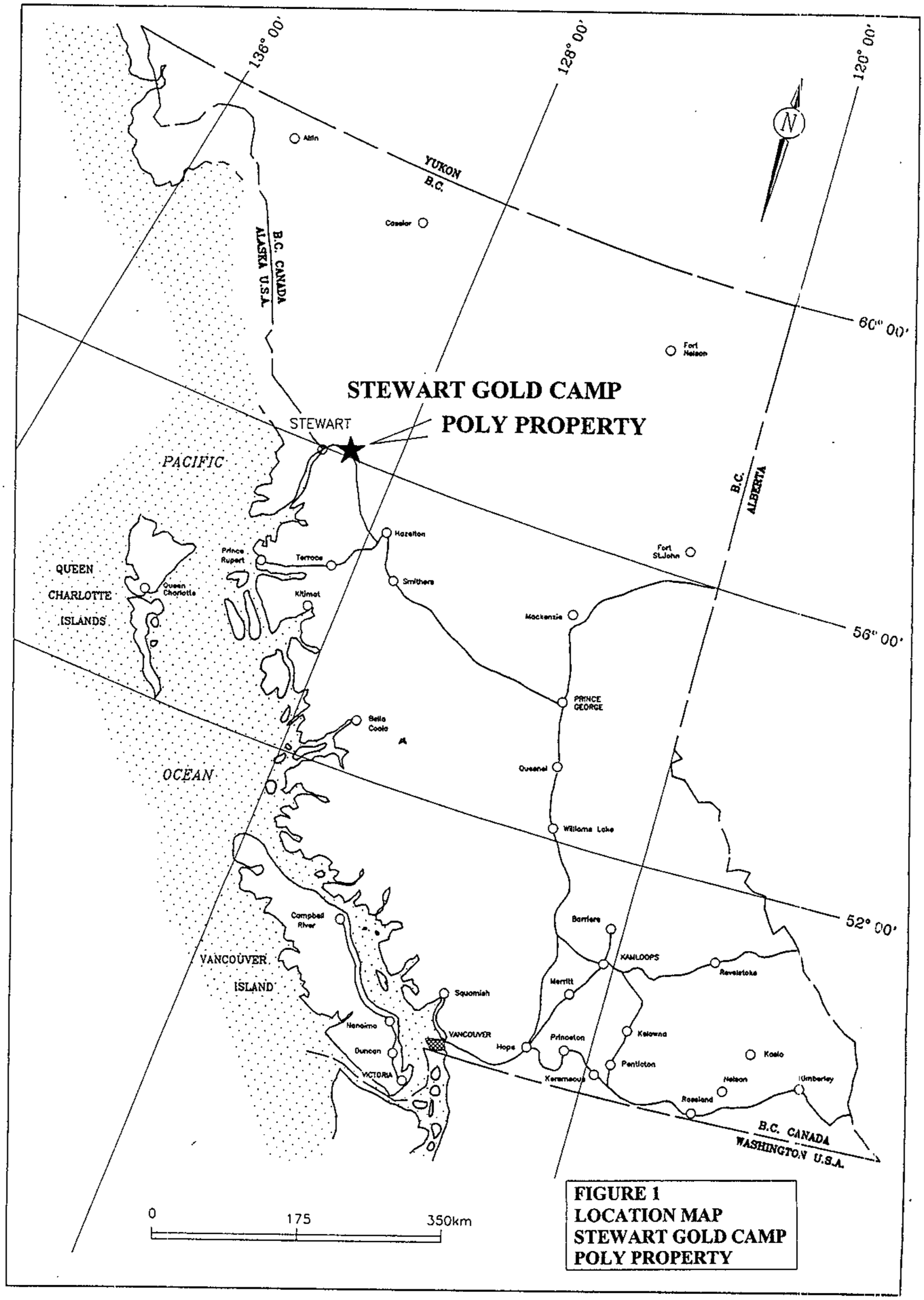


FIGURE 1
LOCATION MAP
STEWART GOLD CAMP
POLY PROPERTY

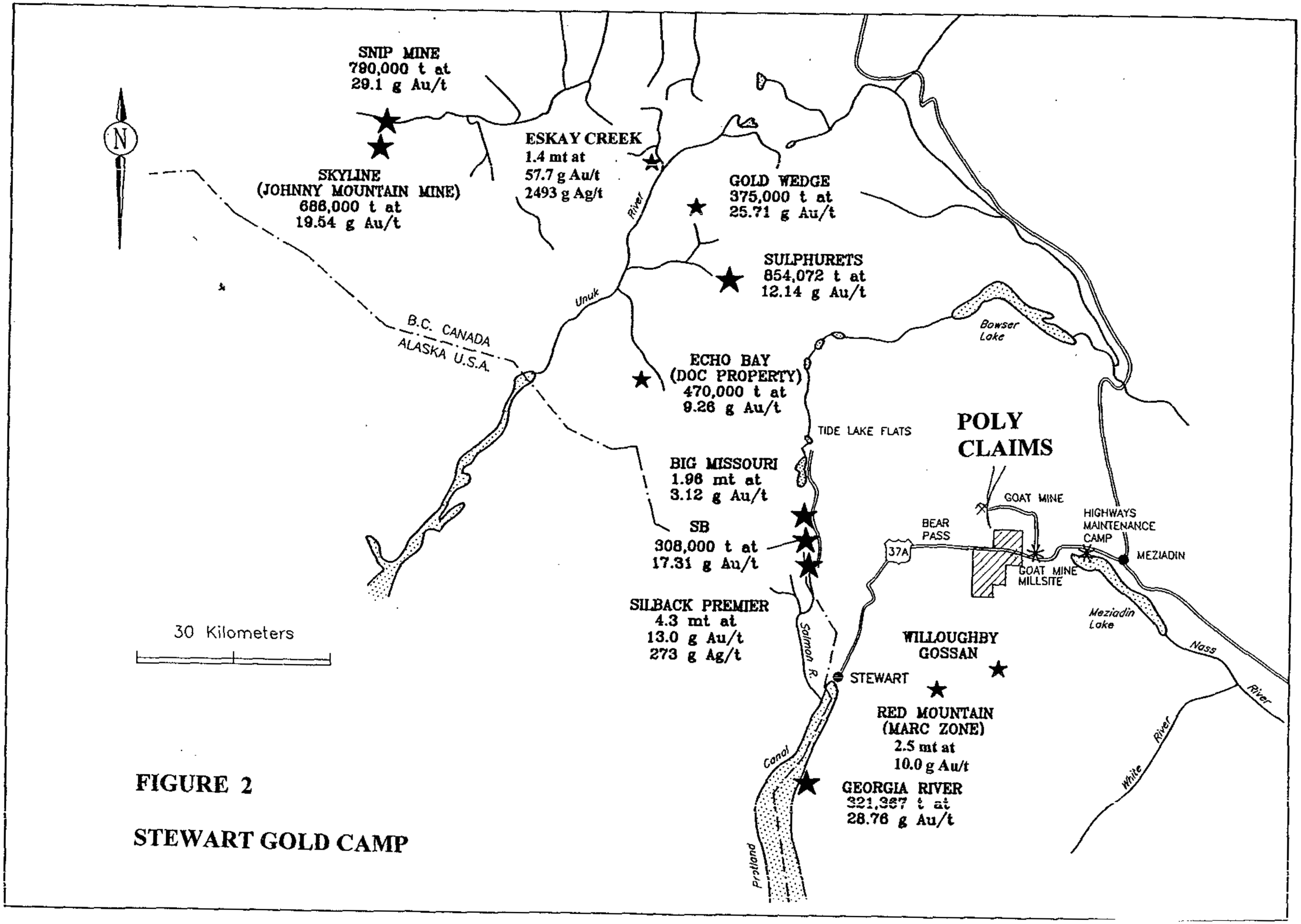
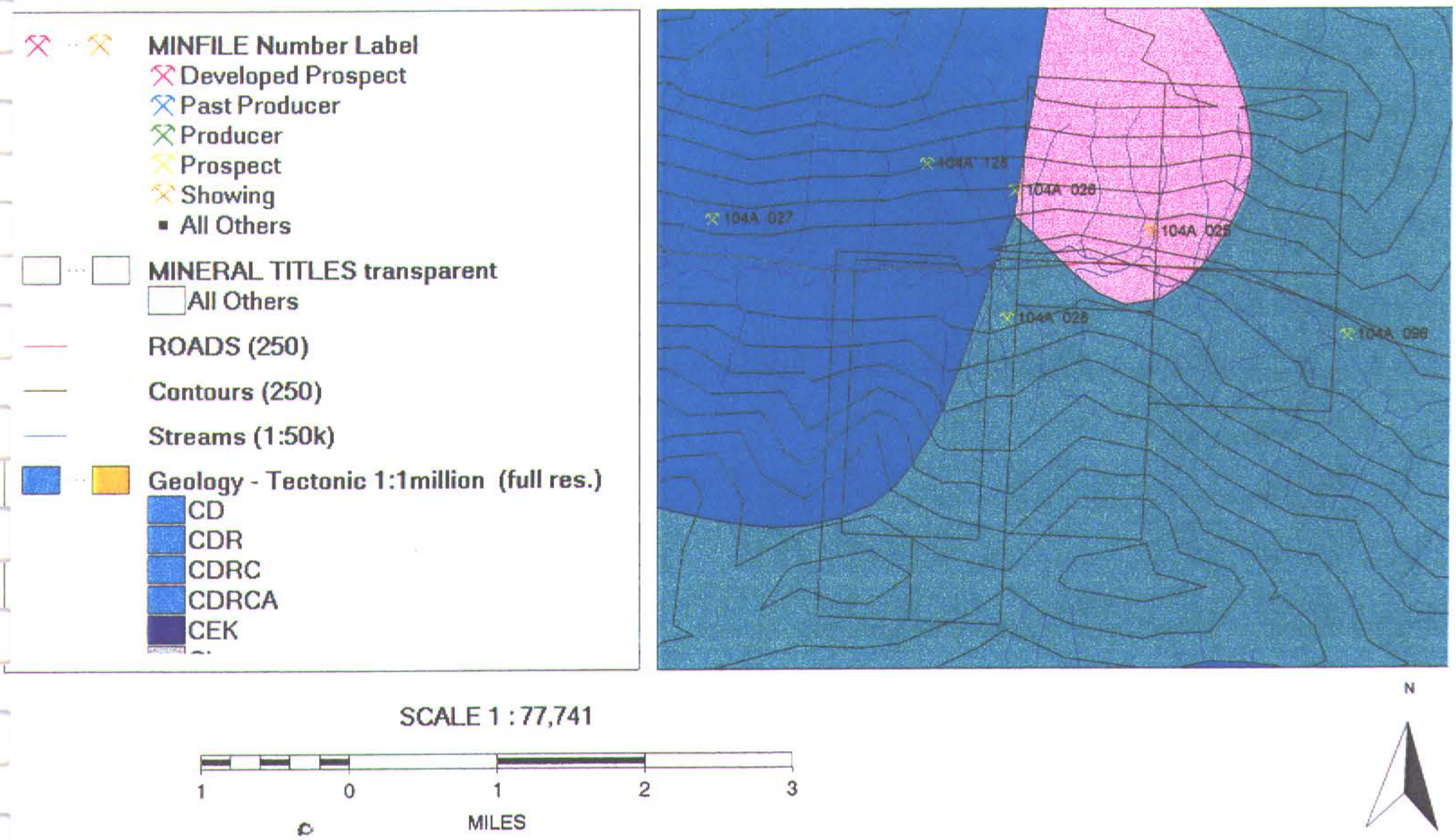


FIGURE 2

STEWART GOLD CAMP

B.C. Ministry of Energy and Mines

FIGURE 2A: GEOLOGY, MINFILE LOCATIONS, POLY PROPERTY



3. LOCATION AND ACCESS:

The Poly Claims (Figures 1-3) are located in the Skeena Mining Division of Northwestern British Columbia, about 42 km east of Stewart or about 18 km west of Meziadin Junction, in the Entrance Peak Area of the Stewart Gold Camp. The Poly property is centred at about Latitude 56° 07'N, Longitude 129° 34'W on NTS Map 104A/04 (Map 2). The old and new segments of Hwy 37A trend generally west through the northern sections of Poly Claims 3-7 and along the southern flanks of Poly 1-2. The highway affords excellent year round access to the claim group. The Stewart Power Line trends west through the property and the power line corridor and various trails to it provide access to the southern part of the property. A road to an avalanche station located north of Strohn Creek provides some access to the southeastern area of the property i.e., on the Poly 3 Claim.

4. TOPOGRAPHY, DRAINAGE, CLIMATE, WILDELIFE & VEGETATION:

The Poly Property straddles the Strohn Creek Valley, which trends generally east west. Elevations range from over 400 m above sea level in the valley, to over 2100m on Entrance Peak and Cornice Mountain (Figure 4, Map2). The mountain terrain is incised with young deep valleys, which extend south and north from Hwy 37A. Creeks flow south and north into the main valley, which is drained to the east by Strohn Creek. The narrow mountain valleys are conducive to the development of avalanche conditions in the winter months.

The exploration field season in the Stewart Camp generally extends from late June to October. However, with their good access and lower elevations, some of the Poly Property targets (including the Hwy 37A Zone) can be pursued for much of the year. During the summers of 1999 and 2000 Stewart experienced adverse weather conditions, characterized by cool temperatures and long periods of rain and fog which made for generally negative exploration conditions for most of the field season. Snowmelt was unseasonably late and creeks were in full flow for essentially all of the summer of 2000.

Over the longer term winters have been getting milder and glaciers are receding. However, snow can cover higher elevations in early September and accumulations can total several meters in a 24-hour period. The narrow mountain valleys in the Entrance Peak Area are conducive to the development of avalanche conditions in the winter months. Recorded mean annual snowfalls in the area range from 520 cm at Stewart (sea level) to 1,500 cm at Tide Lake Flats (915m elevation). Summers are usually characterized by long hours of daylight and pleasant temperatures. However, the proximity of the ocean and relatively high mountains can make for highly changeable weather, including dense morning fog along the coast. Stewart is located at the head of the Portland Canal (Figure 2) and has the distinction of being Canada's most northerly ice-free, seaport.

Wildlife on and in the area of the Poly Property can include skunks, mountain goats, moose, foxes, black bears, grizzly bears, wolves, coyotes, lynx, marmots, ptarmigan, eagles, hawks, jays, gulls, and crows. Swarms of bees and flocks of robins are not uncommon. Vegetation in the valleys and on their edges ranges from dense tag alders to areas of spruce, pine, and poplar forest. Sub-alpine spruce thickets, with heather and alpine meadows, occur at higher elevations. Bare rock, talus slopes and glaciers with occasional islands of alpine meadow prevail above tree line, at approximately 1,200 m.

The 2000 field work was carried out in the area of old Hwy 37A and Hwy 37A; parts of the area has had considerable disruption in the course of highway building and is now characterized by second growth poplar and dense tag alders. Line cutting would be required to continue the detailed follow-up surveys to the north and south.

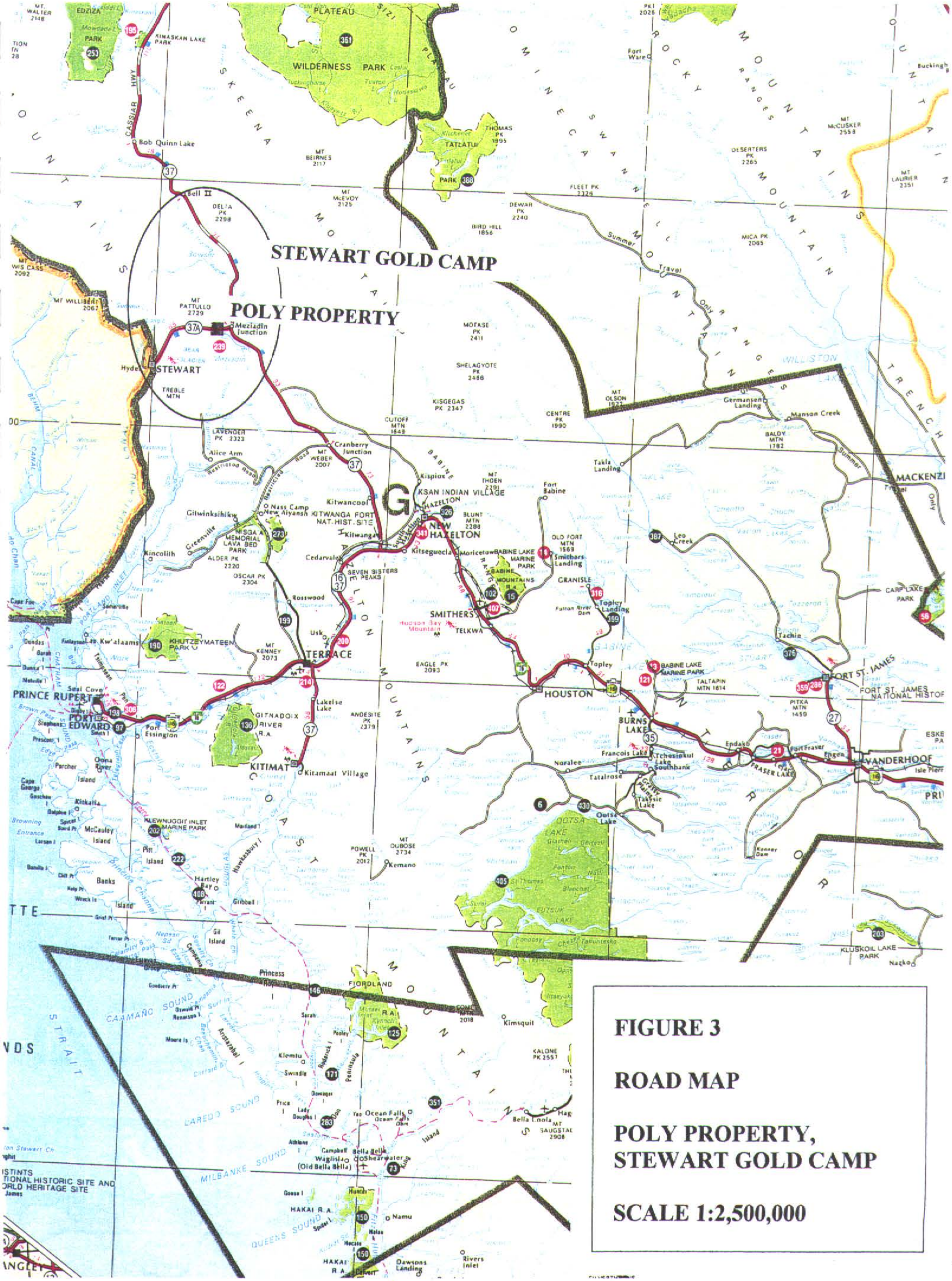


FIGURE 3

ROAD MAP

POLY PROPERTY, STEWART GOLD CAMP

SCALE 1:2,500,000

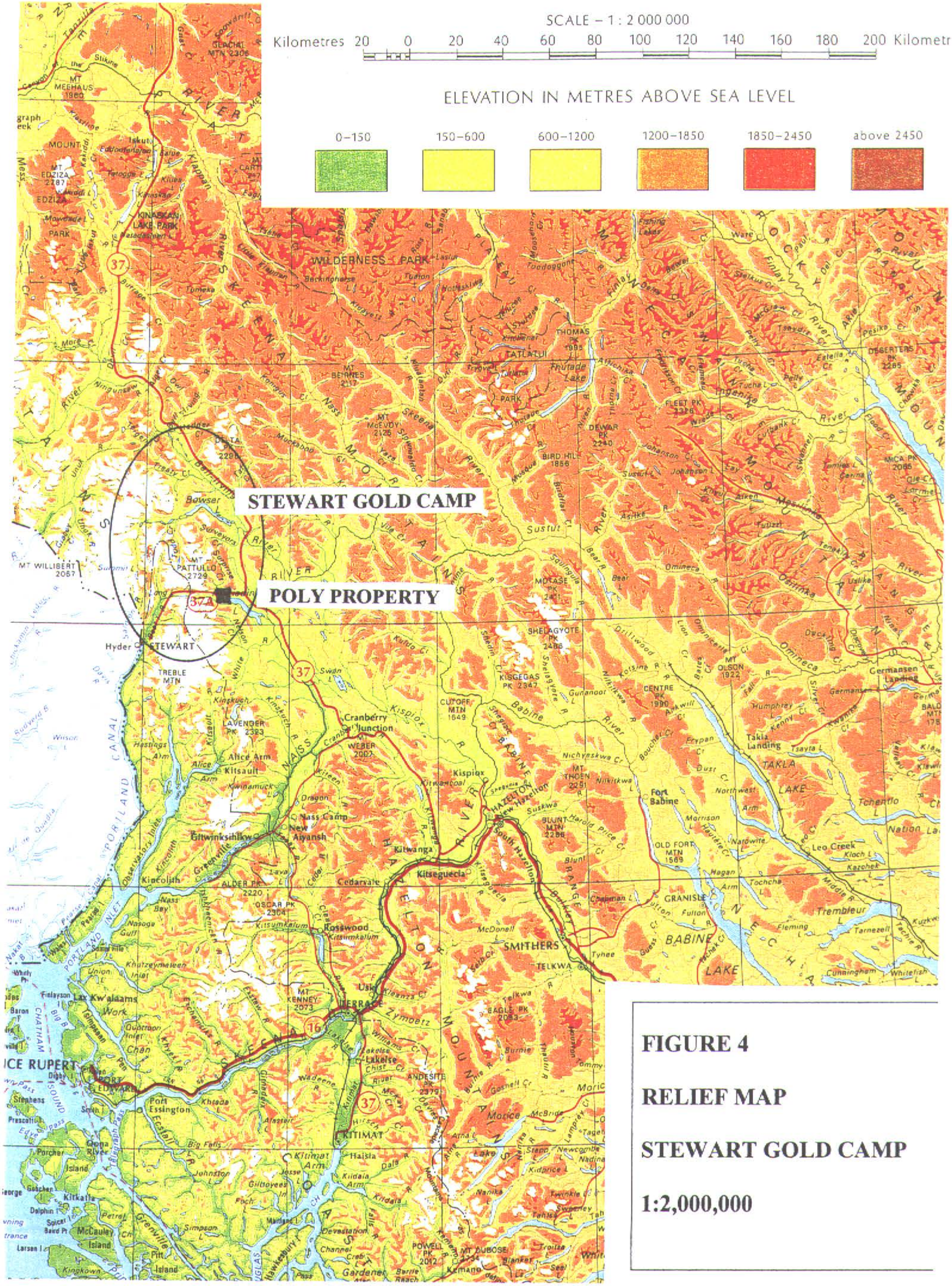


FIGURE 4

RELIEF MAP

STEWART GOLD CAMP

1:2,000,000

5. STEWART CAMP GEOLOGY:

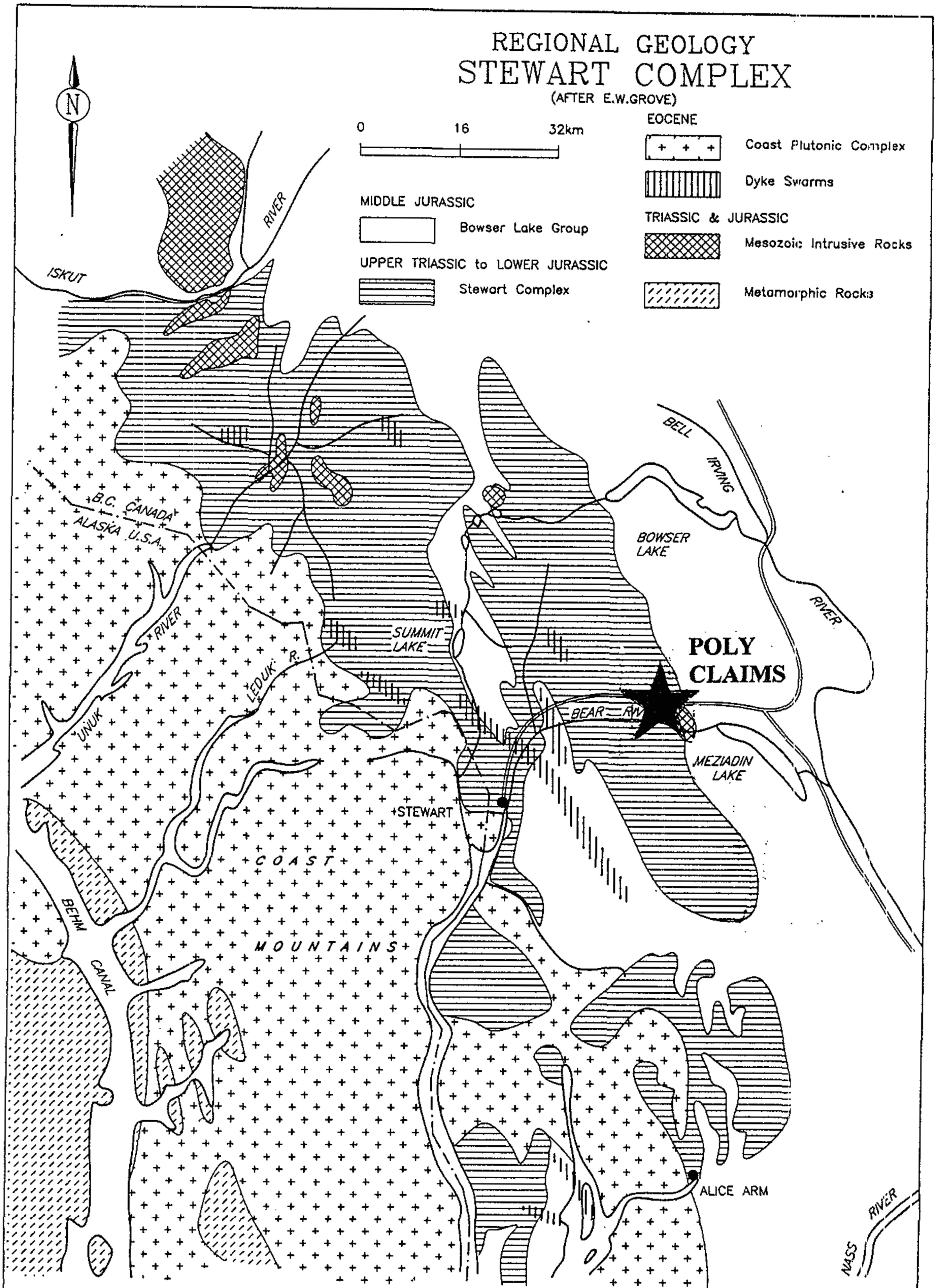
The Poly property is located in the Stewart Gold Camp, which is characterized by a broad, north-northwest trending volcanogenic-plutonic belt consisting of the Upper Triassic Stuhini Group and the Upper Triassic to Lower Middle Jurassic Hazelton Group. This belt has been termed the "Stewart Complex" (Figures 5, 6) by Grove (1986) and forms part of the Stikinia Terrane. The Stikinia Terrane, together with the Cache Creek and Quesnel Terranes, constitute the Intermontaine Superterrane, which was accreted to North America in Middle Jurassic time (Monger et al, 1982). To the west, the Coast Plutonic Complex borders the Stewart Complex. Sedimentary rocks of the Middle to Upper Jurassic Bowser Lake Group overlay the Stewart Complex in the east.

The Jurassic stratigraphy was established by Grove (1986, Figure 5) during regional mapping conducted from 1964 to 1968. Formational subdivisions have been made and are currently being modified and refined as regional work continues, most notably by the Geological Survey Branch of the British Columbia Ministry of Energy, Mines and Petroleum Resources (Alldrick, 1984, 1985, 1989); and, by the Geological Survey of Canada (Anderson, 1989; Anderson and Thorkelson, 1990; Lewis, et al, 1993; Greig, et al, 1995). The sedimentological, structural, and stratigraphic framework of the area is being established with some precision.

The Hazelton Group represents an evolving (alkalic/calc-alkalic) island arc complex, capped by a thick turbidite succession (Bowser Lake Group). Grove (1986) divided the Hazelton into four litho-stratigraphic units (time intervals defined by Aldrick, 1987):

1. The Upper Triassic to Lower Jurassic Unuk River Formation (Norian to Pliensbachian).
2. The Middle Jurassic Betty Creek Formation (Pliensbachian to Toarcian)
3. The Middle Jurassic Salmon River Formation (Toarcian to Bajocian)
4. The middle to Upper Jurassic Nass Formation (Toarcian to Oxfordian – Kimmeridigian)

Alldrick assigned formational status (Mt. Dilworth Formation, Figure 6A) to a Toarcian rhyolite unit (Monitor Rhyolite) overlying the Betty Creek Formation. Rocks of the Salmon River Formation are transitional between the mostly volcanic Hazelton Group and the wholly sedimentary Bowser Lake Group and are presently regarded as the uppermost formation of the Bowser Lake Group.



REGIONAL GEOLOGY
STEWART COMPLEX
(AFTER E.W.GROVE)
N
0
16
32km
EOCENE
Coast Plutonic Complex
Dyke Swarms
MIDDLE JURASSIC
Bowser Lake Group
TRIASSIC & JURASSIC
Mesozoic Intrusive Rocks
UPPER TRIASSIC to LOWER JURASSIC
Stewart Complex
Metamorphic Rocks
ISKUT
RIVER
BELL
IRVING
RIVER
BOWSER
LAKE
B.C. CANADA
ALASKA U.S.A.
RIVER
UNUK
LEDUK R.
SUMMIT
LAKE
POLY
CLAIMS
BEAR RIV
MEZIADIN
LAKE
STEWART
COAST
MOUNTAINS
BEHM
CANAL
ALICE ARM
NASS
RIVER

FIGURE 5

The Unuk River Formation (Figure 6A), a thick sequence of andesite flows and pyroclastic rocks with minor interbedded sedimentary rocks, hosts a number of major gold deposits in the Stewart Camp (Figure 2). The unit is unconformably overlain by heterogeneous, maroon to green, epiclastic volcanic conglomerates, breccias, greywackes and finer grained clastic rocks of the Betty Creek Formation. Felsic flows, tuffs and tuff breccias characterize the Mt. Dilworth Formation (Figure 6A). This formation represents the climatic and penultimate volcanic event of the Hazelton Group volcanism and forms an important regional marker horizon. The overlying Salmon River Formation has been subdivided in the Iskut area into an Upper Lower Jurassic and a Lower Middle Jurassic member (Anderson and Thorkelson, 1990). The Upper member has been further subdivided into three north trending facies belts: the eastern Troy Ridge facies (starved basin), the medial Eskay Creek facies (back-arc basin) and the western Snippaker Mountain facies (volcanic arc).

Sediments of the Bowser Lake Group rest unconformably on the Hazelton Group rocks and they include shales, argillites, silt and mudstones, greywackes and conglomerates. The contact between the Bowser Lake Group and Hazelton Group passes between Strohn Creek in the north and White River in the south. The contact appears to be a thrust zone with Bowser Lake Group sediment "slices" occurring within and overlying the Hazelton Group pyroclastics to the west.

Two main intrusive episodes occurred in the Stewart area: a Lower Jurassic suite of diorite to granodiorite porphyries (Texas Creek Suite) that are comagmatic with extrusive rocks of the Hazelton Group; and, an Upper Cretaceous to Early Tertiary intrusive complex (Coast Plutonic Complex and satellite intrusions). The early Jurassic suite is characterized by the occurrence of coarse hornblende, orthoclase and plagioclase and phenocrysts and locally potassium feldspar megacrysts. The Eocene Hyder quartz-monzonite, comprising a main batholith, several smaller plugs and a widespread dyke phase, represents the Coast Plutonic Complex.

Middle Cretaceous regional metamorphism (Alldrick et al, 1987) is predominantly of the lower greenschist facies. This metamorphic event seems to be related to compression and concomitant crustal thickening at the Intermontaine-Insular superterrane boundary (Rubin et al, 1990). Biotite hornfels zones are associated with a majority of the quartz monzonite and granodiorite stocks.

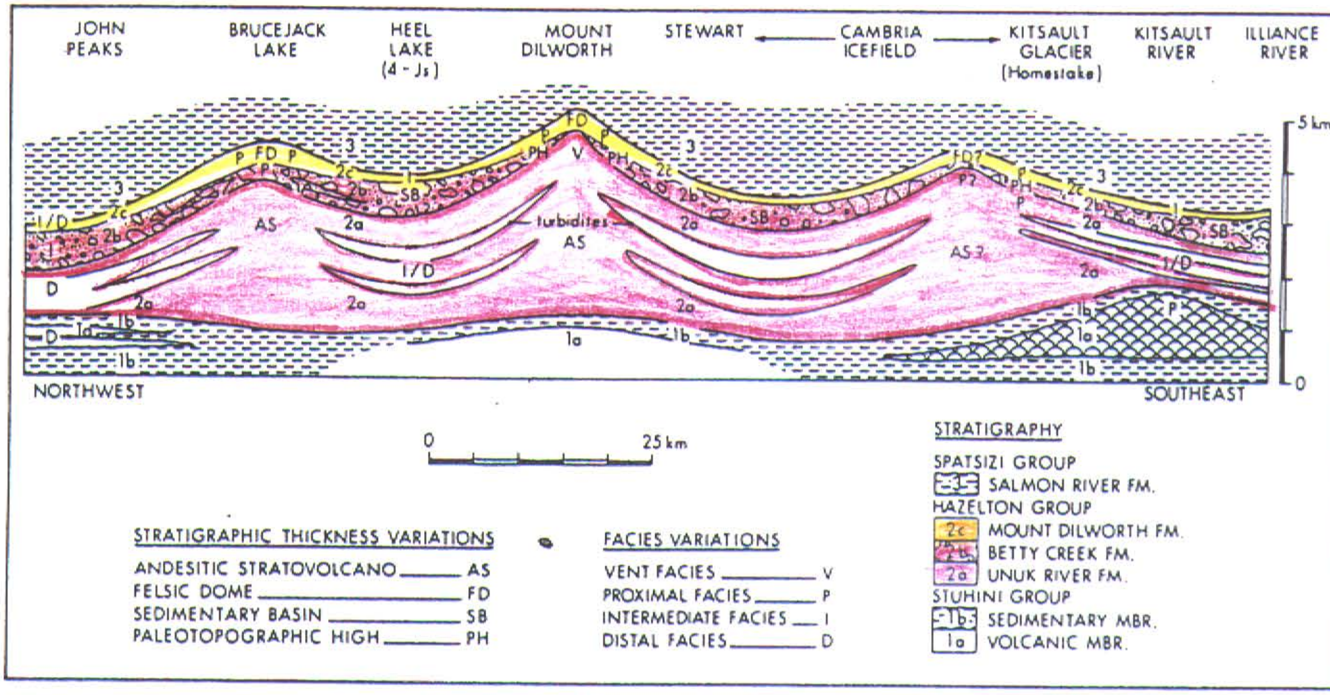


Figure 1-27-4. North-south schematic reconstruction through the Stewart complex.

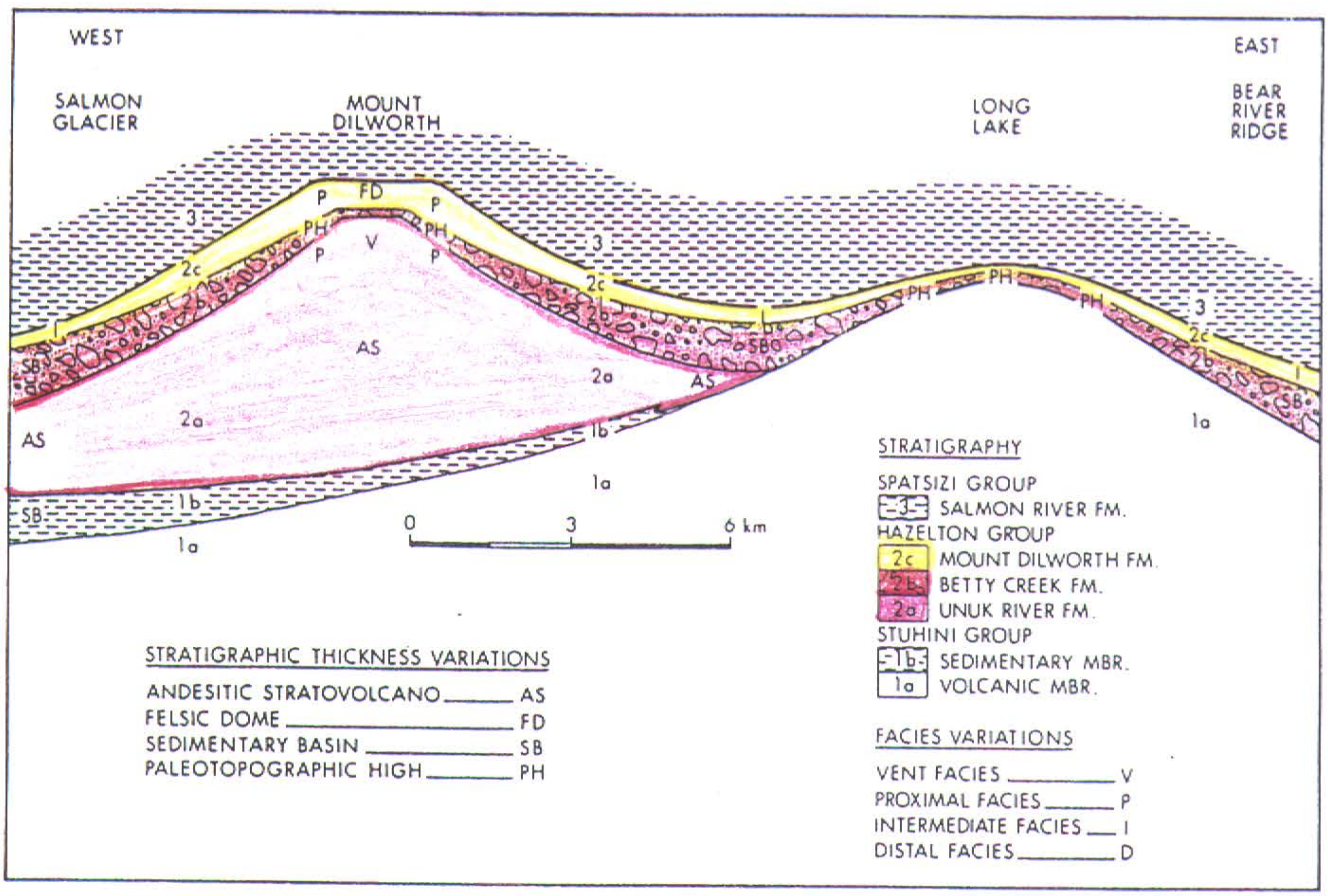


Figure 1-27-5. West-east schematic reconstruction through the Stewart complex.

FIGURE 6A

DILWORTH FORMATION IN STEWART COMPLEX STRATIGRAPHY

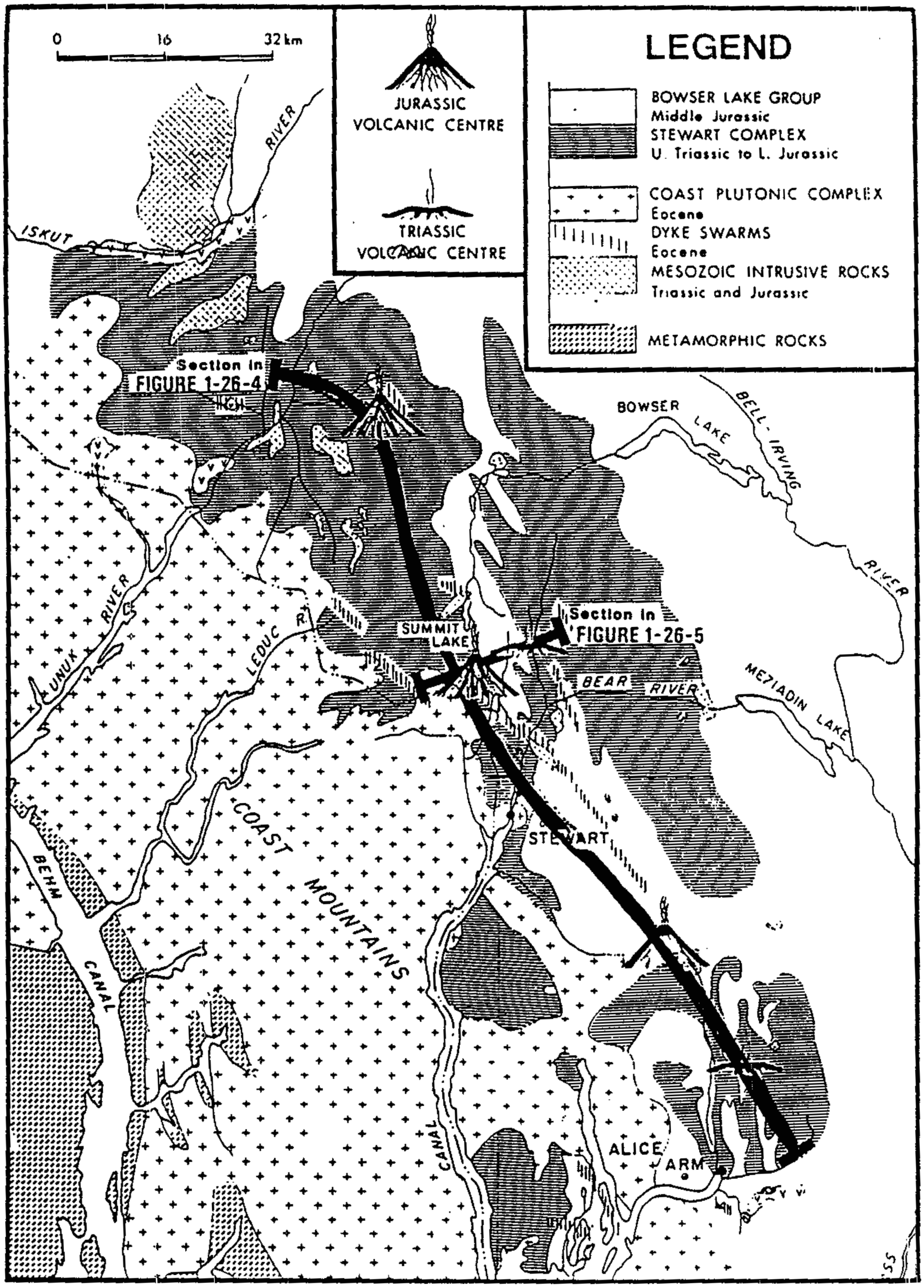
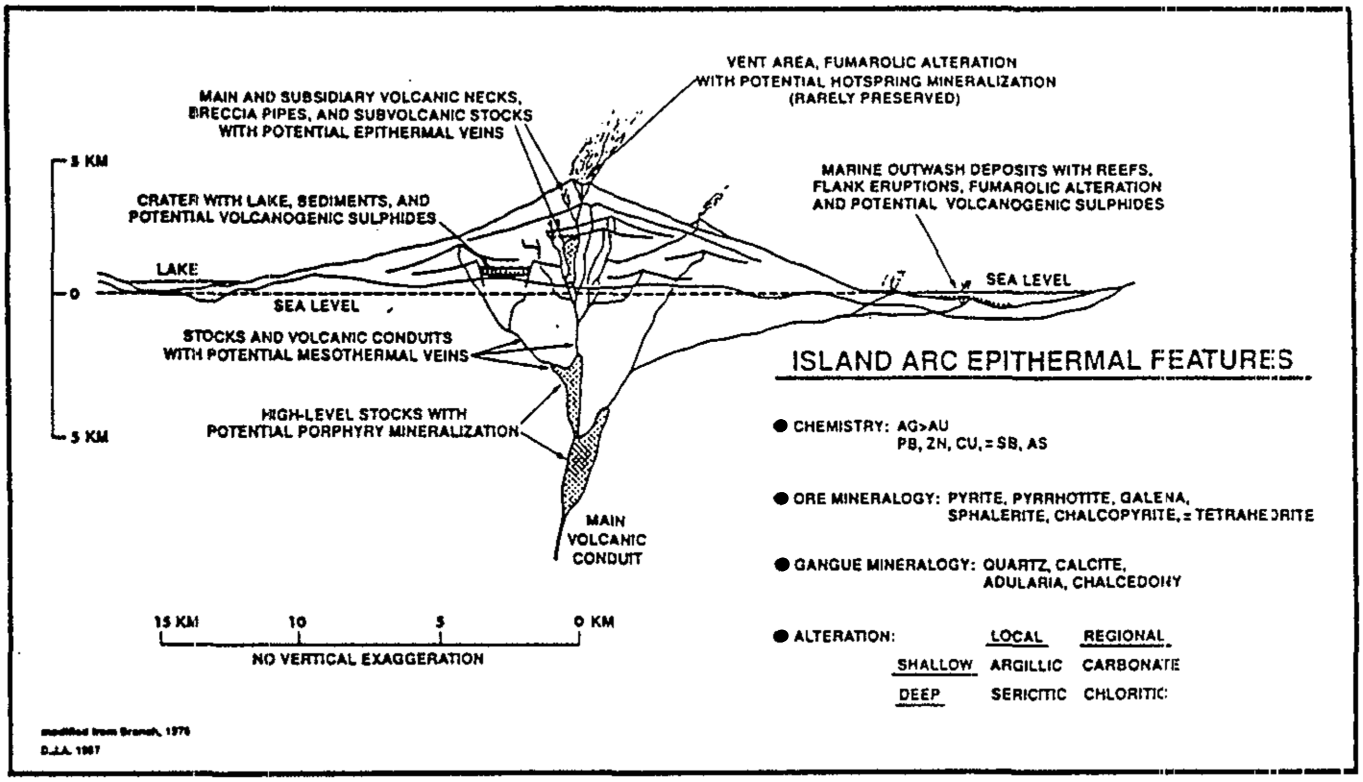


Figure 1-27-3. Distribution of the Stewart complex showing the locations of section lines for Figures 1-27-4 and 1-27-5.

FIGURE 6B

STEWART VOLCANIC BELT



Distribution of ore deposits within a stratovolcano (modified from Branch, 1976).

FIGURE 6C

MINERALIZATION TYPES
STEWART CAMP

6. STEWART CAMP MINERALIZATION

The Stewart Complex is the setting for the Stewart (Silbak-premier, Silver Butte, Big Missouri, Red Mountain, Johnny Mountain, Eskay Creek), Sulphurets, and Kitsault (Alice Arm) gold/silver mining camps (Figure 2). Mesothermal to epithermal, depth persistent gold-silver veins form one of the most significant types of economic deposit. There appears to be a spatial as well as a temporal association of gold deposits to Lower Jurassic Calc-alkaline intrusions and volcanic centres (Figures 6B,C). These intrusions are often characterized by 1-2 cm sized, potassium feldspar megacrysts and correspond to the top of the Unuk River Formation.

The most prominent example of this type of mineralization is the historic Silbak-Premier gold-silver mine, which has produced 56,000 kg of gold and 1,281,400 kg of silver in its original lifetime from 1918 to 1976. The mine was reopened by Westmin in 1988 with reserves quoted as 5.9 million tonnes grading 2.16 g gold/t and 80.23 g silver/t (Randall, 1988). The mine was closed in the summer of 1997 and the mill is currently up for sale.

Unuk River Formation andesites and comagmatic Texas Creek porphyritic dacite sills and dykes host the ore. The ore bodies comprise a series of en echelon lenses, which are developed over a strike length of 180 m and through a vertical range of 600 m (Grove, 1986; McDonald, 1988). The mineralization is controlled by northwesterly and northeasterly trending structures and their intersections, but also occurs locally concordant with andesitic flows and breccias.

Two main vein types occur: silica-rich, low-sulfide precious metal veins and sulfide-rich base metal veins. The precious metal veins are more prominent in the upper levels of the deposit and contain polybasite, pyrargyrite, argentiferous tetrahedrite, native silver, electrum and argentite. Combined sulfides of pyrite, sphalerite, chalcopyrite and galena are generally less than 5% The base metal veins crosscut the precious metal veins and increase in abundance with depth. They contain 25 to 45% combined pyrite, sphalerite, chalcopyrite and galena, with minor amounts of pyrrhotite, argentiferous tetrahedrite, native silver, electrum and arsenopyrite.

Quartz is the main gangue mineral, with lesser amounts of calcite, barite, and some adularia being present. The mineralization is associated with strong silicification, feldspathization, and pyritization. A temperature range of 250 to 260 degrees C has been determined for the deposition of the base and precious metals (McDonald, 1990).

Middle Eocene silver-lead-zinc veins are characterized by high silver to gold ratios and by spatial association with molybdenum and/or tungsten occurrences. They are structurally controlled and lie within north, northwest, and east trending faults. This mineralization has been less significant in economic terms.

Porphyry molybdenum deposits are associated with Tertiary Alice Arm Intrusions, a belt of quartz-monzonite intrusions parallel to the eastern margin of the Coast Plutonic Complex. An example of this type of deposit is the BC Molybdenum Mine at Lime Creek.

The world class Eskay Creek Mine (2000 reserves, resources, and mineralized material of about 2.1 Mt, containing 2.63 M oz of gold and 116.06 M oz of silver; and, total deposit size of 7.10 M oz gold equivalent), was planning to increase current production from 150 t/d to 250t/d in October 2000. The deposit is hosted within Contact Unit carbonaceous mudstone and breccia, as well as the underlying rhyolite breccia. Two styles of mineralization are present. The first is a visually striking assemblage of disseminated to near massive stibnite and realgar within the Contact Unit. The second style occurs in the adjacent footwall rhyolite, and features a stock work style quartz-muscovite-chlorite breccia mineralized with sphalerite, tetrahedrite and pyrite. Highest gold and silver values are obtained where the Contact Unit is thickest and the immediately underlying rhyolite breccia is highly fractured and altered. Drilling continues to expand the original, approximately 280 m by 100 m zone that has an average thickness of 10 m.

The Eskay Creek 21B deposit is approximately 900 m long, from 60 to 200 m wide and locally in excess of 40m thick. Contact Unit mineralization comprises a continuous stratiform sheet of banded high grade gold and silver bearing base metal sulfide layers, from 2 to 12 m thick. Mineralization appears to be bedding parallel. Sulfide minerals present include sphalerite, tetrahedrite, boulangerite, bornite, plus minor galena and pyrite. Gold and silver are associated with electrum, which occurs as abundant grains associated with sphalerite. Peripheral and footwall to the banded sulfide mineralization, are areas of microfracture, veinlet hosted, disseminated tetrahedrite, pyrite and minor boulangerite mineralization.

No field exploration was carried out on Wheaton River's Red Mountain project; work in 2000 comprised a review of the data and drill core and an examination of the equipment and infrastructure on the mountain. Royal Oak had apparently curtailed work on the project in 1997 after a dispute with the BC government. Royal Oak subsequently went into receivership and Wheaton River purchased the property from the receivers. The Marc Zone and its northerly extension, the AV Zone, occur as sulfide lenses or cylinders associated with a structural junction and the brecciated contact of the Goldslide intrusion. The mineralization consists of densely disseminated to massive pyrite and/or pyrite stringers and veinlets and variable amounts of arsenopyrite, tetrahedrite and various tellurides. Several phases of mineralization and deformation are indicated by the presence of different generations of pyrite and breccia fragments consisting of pyrite. High-grade gold values are usually associated with the semi-massive, coarse-grained pyrite aggregates, but also with stock works of pyrite stringers and veinlets. Gold occurs as native gold, electrum and as tellurides. Approximately 1 M ounces of gold have been outlined to date with an average grade of about 10 g gold/t.

7. EXPLORATION HISTORY, GEOLOGY, MINERALIZATION: POLY PROPERTY AND ENTRANCE PEAK TARGET AREA:

7.A: EXPLORATION HISTORY

The MINFILE occurrences in the Entrance Peak Project Area are shown in Figure 2A. The MINFILE Numbers are shown in Figure 7 and the individual MINFILE descriptions are provided in the following pages. The mineral occurrences on the Poly Claims include molybdenum associated with the Entrance Peak quartz monzonite intrusion: gold, silver and zinc mineralization on the historic claims west of the Stewart Highway Zone e.g. the Ptarmigan Zone (Kennedy, 1992): and narrow quartz veins mineralized with sphalerite and galena, which were investigated with open cuts and adits by Bear Pass Mining. The Ptarmigan Zone may be the old Montreal 1-8 Showing (Minfile 104A-026, see attached), where mineralized breccia and veins were investigated by short tunnels and open cuts at various elevations.

The MINFILE occurrences do not appear to reference the Stewart Highway Zone, which was apparently first discovered in 1991 via the reconnaissance evaluation of color anomalies in the Hwy 37A Valley. Talus blocks originating from shear zones in creek valleys on the south facing mountain valley side returned up to 56.85 g Au/t, 520 g Ag/t, and 15% Zn (Kennedy, 1992). The mineralized zone of interest was located in situ, about 800 m to the north of old HWY 37A.

In 1992, the Stewart Highway Zone was explored with geological and geochemical surveys funded by Cameo Corp. (Kennedy 1992). Quartz-carbonate veins and stockworks mineralized with galena and sphalerite returned up to 9.85 g Au/t, 1163 g Ag/t, 0.33% Cu, 0.54% Pb and 0.33% Zn across a 3 m width in chip samples. Selective sampling over a 15cm width of a sulfide rich section of a quartz vein returned 123.3 g Au/t; 1897 g Ag/t; 0.85% Cu, 5.79% Pb and 0.47% Zn. Sediment sampling revealed very anomalous gold and arsenic values in creeks draining the area. The planned drill testing was never carried out due to an inadequate land package.

Other Entrance Peak Area historical exploration targets are shown on Figure 7. They include the Cornice Mountain Breccia Zone, where chip sampling returned 6.78 g Au/t and 2.24% Zn across 14.5 m; 11.1 g Au/t over 6 m on another sample line (Kennedy, 1992). Drill testing by Cameco in 1993 failed to intersect significant mineralization and it was concluded the sulfide target was associated with a dip slope (Kennedy, 1993).

Float boulders and in-situ quartz-carbonate veins found in the Galena Creek target area (Figure 7) were mineralized with sphalerite, galena and chalcopyrite. The generally narrow veins have yielded assays up to 7.88 g Au/t, 54.1 g Ag/t; 0.49% Cu, 1.65% Pb and 10.6% Zn (Kennedy, 1992). The importance of the target area was confirmed by a 1999 stream sediment sample draining the area which returned values of 65 ppb Au, 60 ppm Ag, 26 ppm Cu, 32 ppm, Pb, 284 ppm Zn and 130 ppm As (Molloy, 2000).

As described in the Report on the 1999 Prospectors Assistance Program (Molloy, 2000), the 37A Zone (Maps 2-4) was discovered during a regional geochemical survey. The zone comprises an area of oxidized soil and altered (silicified, sulfidized) angular float boulders and large blocks, located in tag alders, between the old Hwy 37A and the new Hwy 37A. It had an apparent north-northwest trend and a width of up to over 50 m. The Poly 1-4 Claims (Table 1; Map 1) were staked in August 1999 to cover the 37A Zone, the Stewart Highway Zone (Map 3) and the favourable geological environment north of Entrance Peak. The Stewart Highway Zone is exposed in streambeds, on the north side of the Hwy 37A Valley, about 800 m north of the 37A Zone (Maps 2-4). Historically, the zone was traced for about 130 m at an orientation of about 345°. Planned 1993 follow-up work, which included diamond drilling, was not carried out because of an incomplete property package.

In 1999, a small, flagged grid was established on the37A Zone and initial prospecting, and geological and geochemical surveys carried out. A total of 8 soil, 15 float rocks and 1 check samples were collected. The samples returned rather anomalous Au, Cu, Pb, Zn and As values, along with anomalous Ag, Cd, Mo, Ni, Co contents; and, some anomalous Sb, Hg and Ba values. Thirteen of the 15 composite sub crop samples of altered crystal tuff breccia had anomalous gold contents ranging up to 70 ppb. All the rock samples had strongly anomalous copper contents, averaging 198 ppm. They also had weakly anomalous Ag contents, and some anomalous Mo and Sb contents, ranging up to 23 ppm and 10 ppm, respectively.

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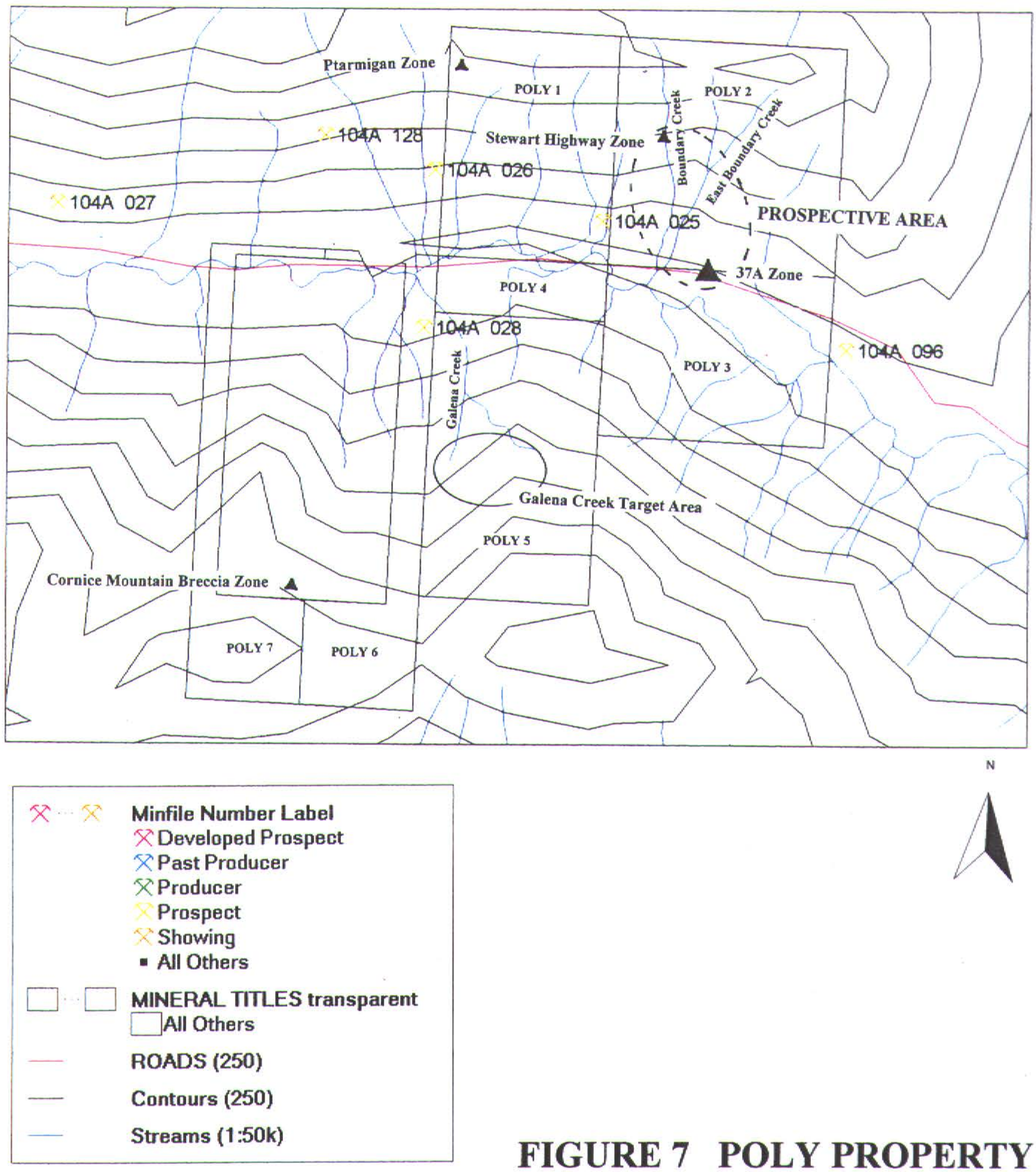

FIGURE 7 POLY PROPERTY

MINFILE 104A 025:

MINFILE NUMBER: 104A 025 NATIONAL MINERAL INVENTORY: 104A4 Mo1

NAME(S): FITZGERALD

STATUS: Showing
REGIONS: British Columbia
NTS MAP: 104A04E
LATITUDE: 56 06 33 N
LONGITUDE: 129 33 08 W
ELEVATION: 457 Metres
LOCATION ACCURACY: Within 1 KM
COMMENTS: Approximate centre of the Strohn Creek pluton (Bulletin 63).

MINING DIVISION: Skeena

UTM ZONE: 09 (NAD 27)
NORTHING: 6218140
EASTING: 465650

COMMODITIES: Molybdenum

MINERALS
SIGNIFICANT: Molybdenite
ASSOCIATED: Quartz
MINERALIZATION AGE: Unknown

DEPOSIT
CHARACTER: Vein Stockwork
CLASSIFICATION: Hydrothermal Epigenetic Porphyry
TYPE: L05 Porphyry Mo (Low F- type)

HOST ROCK
DOMINANT HOST ROCK: Plutonic

STRATIGRAPHIC AGE	GROUP	FORMATION	IGNEOUS/METAMORPHIC/OTHER
Middle Jurassic	Hazelton	Salmon River	
Tertiary			Coast Plutonic Complex

LITHOLOGY: Porphyritic Quartz Monzonite
Sediment/Sedimentary

HOST ROCK COMMENTS: The Strohn Creek pluton is a satellite pluton that lies east of the Coast Plutonic Complex.

GEOLOGICAL SETTING
TECTONIC BELT: Intermontane
TERRANE: Stikine

PHYSIOGRAPHIC AREA: Boundary Ranges

INVENTORY

ORE ZONE: SAMPLE REPORT ON: N

CATEGORY: Assay/analysis YEAR: 1917
SAMPLE TYPE: Bulk Sample

COMMODITY	GRADE
Molybdenum	6.0000 Per cent

COMMENTS: A sample, weighing several hundred kilograms (200 assumed), averaged 6 per cent molybdenite.
REFERENCE: Minister of Mines Annual Report ,1917, page 68.

CAPSULE GEOLOGY

The exact location of the Fitzgerald showing is not known. The property is described as being about 9.7 kilometres east of the Bear River divide (Minister of Mines Annual Report, 1917).

Three claims were located over the showing by the Fitzgerald brothers in 1917.

The area is underlain by the porphyritic Tertiary(?) Strohn Creek pluton (Bulletin 63), which intrudes Hazelton Group sediments of the Middle Jurassic Salmon River Formation. The Strohn Creek pluton is a massive, coarse-grained quartz monzonite that contains large phenocrysts of potash feldspar, minor biotite, lesser hornblende and accessory apatite, zircon and magnetite. Mineralization in the pluton consists of molybdenite, typically associated with quartz, along joint surfaces and fractures (Bulletin 63, p. 80).

The Fitzgerald showing consists of a 1 to 2-metre wide quartz vein, in the quartz monzonite, that contains molybdenite (Minister of Mines Annual Report, 1917, p. 68). A sample, weighing several hundred kilograms, was reported to average about 6 per cent molybdenite (Minister of Mines Annual Report, 1917, p. 68).

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EMPR MAP 8
GSC MAP 307A; 315A; 9-1957; 1418A

BIBLIOGRAPHY

GSC OF 2582

DATE CODED: 850724 CODED BY: GSB FIELD CHECK: N
DATE REVISED: 911021 REVISED BY: WC FIELD CHECK: N

MINFILE 104A 026:

MINFILE NUMBER: 104A 026 NATIONAL MINERAL INVENTORY: 104A4 Ag14

NAME(S): **MONTREAL 1-8**, MURDOCK (L. 3440-3446), DOUVILLE

STATUS: Showing
REGIONS: British Columbia
NTS MAP: 104A04E
LATITUDE: 56 06 45 N
LONGITUDE: 129 34 35 W
ELEVATION: 762 Metres
LOCATION ACCURACY: Within 1 KM
COMMENTS: The location given lies immediately east of the Murdock (104A 128) claim group (L. 3440-3446) (Minister of Mines Annual Report, 1928).

MINING DIVISION: Skeena
UTM ZONE: 09 (NAD 27)
NORTHING: 6218550
EASTING: 464150

COMMODITIES: Silver Zinc Lead

MINERALS
SIGNIFICANT: Sphalerite Galena Pyrite
COMMENTS: Trace gold.
ALTERATION: Silica
ALTERATION TYPE: Silicific'n
MINERALIZATION AGE: Unknown

DEPOSIT
CHARACTER: Shear Disseminated
CLASSIFICATION: Replacement
TYPE: I05 Polymetallic veins Ag-Pb-Zn±Au
COMMENTS: North-striking, west-dipping zone in greenstone.

HOST ROCK
DOMINANT HOST ROCK: Volcanic

STRATIGRAPHIC AGE	GROUP	FORMATION	IGNEOUS/METAMORPHIC/OTHER
Triassic-Jurassic	Hazelton	Unuk River	
Middle Jurassic	Hazelton	Salmon River	

LITHOLOGY: Greenstone
Volcanic Breccia

GEOLOGICAL SETTING
TECTONIC BELT: Intermontane
TERRANE: Stikine
PHYSIOGRAPHIC AREA: Boundary Ranges

INVENTORY

ORE ZONE: SAMPLE REPORT ON: N

CATEGORY: Assay/analysis YEAR: 1928
SAMPLE TYPE: Grab

COMMODITY	GRADE
Silver	68.6000 Grams per tonne

COMMENTS: Sample from silicified zone in greenstone. Trace gold.
REFERENCE: Minister of Mines Annual Report, 1928, page 111.

CAPSULE GEOLOGY

The location of the Montreal showings is not known exactly. Several showings are reported on the Montreal 1-8 claims, which are reported to lie immediately east of the Murdock claims (Minister of Mines Annual Report 1925, p. 94). The claims are assumed to have been staked on the north side of Strohn Creek, about 4.5 kilometres east of the Bear River Pass.

The claims were located in 1925 by Douville and others. Four veins, 1.8 to 7.6 metres wide, were reported that year. During 1925-29, the owners emplaced several opencuts and at least 2 tunnels.

The area is underlain by north-striking Hazelton Group rocks. The Upper Triassic to Lower Jurassic Unuk River Formation is unconformably overlain to the east by the Middle Jurassic Salmon River Formation (Bulletin 63). The Salmon River Formation rocks are intruded by an Eocene(?) stock of quartz monzonite to the east of the showings. Several showings have been reported on the Montreal claims.

At about 594 metres elevation (immediately below the old camp) several opencuts expose disseminations and stringers of galena and sphalerite in volcanic breccia. A chip sample assayed trace gold, 13.7 grams per tonne silver, nil lead and 1.5 per cent zinc across 4.6 metres (Minister of Mines Annual Report 1928, p. 111).

At about 617 metres elevation, argentiferous galena occurs in a shear zone in a 6-metre long tunnel.

At 640 metres elevation, a silicified zone in greenstone carries minor pyrite, sphalerite and rare galena stringers. The zone strikes north, dips west and is up to 10 metres wide. A grab sample from a

CAPSULE GEOLOGY

tunnel, 13.7 metres long, assayed 68.6 grams per tonne silver and trace gold (Minister of Mines Annual Report 1928, p. 111).

At 732 metres elevation, a 6-metre wide pyritic silicified zone is exposed in a creek.

Float samples of highly leached material, containing quartz and galena, assayed 0.7 grams per tonne gold, 1,542.9 grams per tonne silver and 43 per cent lead (Minister of Mines Annual Report 1928, p. 111).

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GSC MAP 307A; *315A; 9-1957; 1418A
GSC OF 2582

DATE CODED: 850724 CODED BY: GSB FIELD CHECK: N
DATE REVISED: 911021 REVISED BY: WC FIELD CHECK: N

MINFILE 104A 027:

MINFILE NUMBER: 104A 027 NATIONAL MINERAL INVENTORY: 104A4 Cu5

NAME(S): SOUTHERN CROSS

STATUS: Showing MINING DIVISION: Skeena
REGIONS: British Columbia
NTS MAP: 104A04E UTM ZONE: 09 (NAD 27)
LATITUDE: 56 06 30 N NORTHING: 6218100
LONGITUDE: 129 37 46 W EASTING: 460850
ELEVATION: 762 Metres
LOCATION ACCURACY: Within 5 KM
COMMENTS: Exact location unknown; the Southern Cross claim group is reported to be on the east side of the Bear River glacier (now Strohn Lake?) at 762 metres elevation (Minister of Mines Annual Report 1929, p. 102).

COMMODITIES: Copper Gold Silver Zinc Lead

MINERALS
SIGNIFICANT: Chalcopyrite Tetrahedrite Sphalerite Silver Galena
Pyrite
ASSOCIATED: Quartz Hematite Magnetite
MINERALIZATION AGE: Unknown

DEPOSIT
CHARACTER: Vein
CLASSIFICATION: Hydrothermal Epigenetic
TYPE: I05 Polymetallic veins Ag-Pb-Zn±Au

HOST ROCK
DOMINANT HOST ROCK: Volcanic

STRATIGRAPHIC AGE	GROUP	FORMATION	IGNEOUS/METAMORPHIC/OTHER
Triassic-Jurassic	Hazelton	Unuk River	

LITHOLOGY: Volcanic
Tuff
Breccia
Argillite

GEOLOGICAL SETTING
TECTONIC BELT: Intermontane PHYSIOGRAPHIC AREA: Boundary Ranges
TERRANE: Stikine

INVENTORY

ORE ZONE: SAMPLE REPORT ON: N

CATEGORY: Assay/analysis YEAR: 1972
SAMPLE TYPE: Grab

COMMODITY	GRADE
Gold	1.1000 Grams per tonne
Copper	0.6200 Per cent

COMMENTS: This sample, collected just east of the Bear River Pass, about 30 metres from the highway, may have been from this showing.
REFERENCE: Assessment Report 6303.

CAPSULE GEOLOGY

The exact location of the Southern Cross showing is not known. The Southern Cross claims are reported to lie on the east side of the Bear River glacier. The former position of the glacier in the Bear River valley is now occupied by Strohn Lake.

Morris and Lake carried out stripping and open cutting on the Southern Cross claims during 1929-30. In 1972, Keith Copper Mines Ltd. conducted a geophysical survey on the nearby Mina claims.

The area is underlain by Hazelton Group volcanics of the Upper Triassic to Lower Jurassic Unuk River Formation. These rocks strike east-southeast and dip north (Bulletin 63).

Several showings have been reported on the claims. One of the showings comprises quartz veinlets carrying chalcopyrite, tetrahedrite and minor sphalerite and native silver(?). These occur across a width of 6 metres in tuffs, breccias and argillites (Minister of Mines Annual Report, 1930).

Elsewhere on the claims, 4 parallel veins contain hematite, magnetite, pyrite and some galena along small fractures (Minister of Mines Annual Report, 1930).

A rock sample collected just east of the Bear River Pass, about 30 metres from the highway, may have been from the Southern Cross showing. The sample assayed 0.62 per cent copper and 1.1 grams per tonne gold (Assessment Report 6303).

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GSC OF 2582

DATE CODED: 850724 CODED BY: GSB FIELD CHECK: N
DATE REVISED: 911021 REVISED BY: WC FIELD CHECK: N

MINFILE 104A 028:

MINFILE NUMBER: 104A 028 NATIONAL MINERAL INVENTORY: 104A4 Ag15

NAME(S): BEAR PASS MINING

STATUS: Showing MINING DIVISION: Skeena
REGIONS: British Columbia
NTS MAP: 104A04E UTM ZONE: 09 (NAD 27)
LATITUDE: 56 06 00 N NORTHING: 6217140
LONGITUDE: 129 34 36 W EASTING: 464120
ELEVATION: 457 Metres
LOCATION ACCURACY: Within 5 KM
COMMENTS: South side of Strohn Creek, about 4.8 kilometres east of the Bear River Pass (Minister of Mines Annual Report, 1928).

COMMODITIES: Silver Lead Zinc Gold

MINERALS
SIGNIFICANT: Sphalerite Galena Pyrite
ASSOCIATED: Quartz
ALTERATION: Silica
ALTERATION TYPE: Silicific'n
MINERALIZATION AGE: Unknown

DEPOSIT
CHARACTER: Unknown
CLASSIFICATION: Unknown
TYPE: I05 Polymetallic veins Ag-Pb-Zn±Au
COMMENTS: One mineralized zone trends north.

HOST ROCK
DOMINANT HOST ROCK: Volcanic

STRATIGRAPHIC AGE	GROUP	FORMATION	IGNEOUS/METAMORPHIC/OTHER
Triassic-Jurassic	Hazelton	Unuk River	

LITHOLOGY: Greenstone
Andesite
Feldspar Porphyry

GEOLOGICAL SETTING
TECTONIC BELT: Intermontane PHYSIOGRAPHIC AREA: Boundary Ranges
TERRANE: Stikine

INVENTORY

ORE ZONE: MAIN REPORT ON: N

CATEGORY: Assay/analysis YEAR: 1928
SAMPLE TYPE: Chip

COMMODITY	GRADE
Silver	82.3000 Grams per tonne

COMMENTS: Across 2.4 metres. Trace gold.
REFERENCE: Minister of Mines Annual Report, 1928, page 111.

CAPSULE GEOLOGY

The exact location of the Bear Pass Mining showing is not known. The showing is reported to lie at an elevation of 457 metres on the south side of Strohn Creek, about 4.8 kilometres east of the Bear River Pass.

The Bear Pass Mining Syndicate held the property in 1928. Exploration work consisted of open cutting and 2 short adits.

The area is underlain by north(?)-striking, steeply dipping andesites(?) of the Upper Triassic to Lower Jurassic Unuk River Formation (Hazelton Group) (Bulletin 63). Small stocks of feldspar porphyry intrude the volcanics.

Several silicified zones, carrying quartz stringers and minor pyrite, sphalerite and galena, occur in greenstone. A chip sample from the 7.6 metres wide, north-trending main zone assayed trace gold and 82.3 grams per tonne silver across 2.4 metres (Minister of Mines Annual Report, 1928).

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GSC MAP 307A; *315A; 9-1957; 1418A
GSC OF 2582

DATE CODED: 850724 CODED BY: GSB FIELD CHECK: N
DATE REVISED: 911016 REVISED BY: WC FIELD CHECK: N

MINFILE 104A 096

MINFILE NUMBER: 104A 096 — NATIONAL MINERAL INVENTORY:

NAME(S): STEWART

STATUS: Showing — MINING DIVISION: Skeena
REGIONS: British Columbia
NTS MAP: 104A04E — UTM ZONE: 09 (NAD 27)
LATITUDE: 56 06 00 N — NORTHING: 6217115
LONGITUDE: 129 31 00 W — EASTING: 467858
ELEVATION: 330 Metres
LOCATION ACCURACY: Within 500M
COMMENTS: Pegmatitic phase in a small pluton on the Stewart highway (Geological Survey of Canada Paper 79-1A).

COMMODITIES: Uranium Thorium

MINERALS
SIGNIFICANT: Uraninite Cyrtolite
ASSOCIATED: Pyrite Quartz Feldspar Muscovite Biotite
MINERALIZATION AGE: Unknown

DEPOSIT
CHARACTER: Disseminated
CLASSIFICATION: Pegmatite
TYPE: 002 Rare element pegmatite - NYF family

HOST ROCK
DOMINANT HOST ROCK: Plutonic

STRATIGRAPHIC AGE	GROUP	FORMATION	IGNEOUS/METAMORPHIC/OTHER
Tertiary			Coast Plutonic Complex

LITHOLOGY: Quartz Feldspar Biotite Pegmatite
Porphyritic Quartz Monzonite

HOST ROCK COMMENTS: The host is a pegmatitic phase of the Tertiary(?) Strohn Creek pluton, a satellite pluton of the Coast Plutonic Complex.

GEOLOGICAL SETTING
TECTONIC BELT: Intermontane — PHYSIOGRAPHIC AREA: Boundary Ranges
TERRANE: Stikine Bowser Lake

INVENTORY

ORE ZONE: SAMPLE — REPORT ON: N

CATEGORY: Assay/analysis — YEAR: 1979
SAMPLE TYPE: Grab

COMMODITY	GRADE
Thorium	0.0200 Per cent
Uranium	0.0988 Per cent

REFERENCE: Geological Survey of Canada Paper 79-1A, page 398.

CAPSULE GEOLOGY

The Stewart uranium-thorium occurrence lies about 33 kilometres northeast of Stewart, about 7.5 kilometres east of the Bear River Pass and along the Stewart highway (37A).

The area has been explored since about 1917, when an adjacent area was staked over the Fitzgerald molybdenum showing (104A 025). The occurrence was discovered in 1978 during a car-borne scintillometer survey along the highway.

The Tertiary(?) Strohn Creek porphyritic quartz monzonite pluton cuts Jurassic Hazelton Group sediments. The pluton contains radioactive coarse quartz-feldspar muscovite-biotite pegmatitic phases containing pyrite, uraninite and cyrtolite.

A selected sample assayed 0.0988 per cent uranium and 0.02 per cent thorium (Geological Survey of Canada Paper 79-1A).

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EMPR MAP 8
EMPR OF 1990-32, p. 27
GSC OF 551
GSC P *79-1A, pp. 397-399
GSC MAP 307A; 315A; 9-1957; 1418A
GSC OF 2582

DATE CODED: 870901 — CODED BY: LDJ — FIELD CHECK: N
DATE REVISED: 920129 — REVISED BY: WC — FIELD CHECK: N

MINFILE 104A 128:

MINFILE NUMBER: 104A 128 NATIONAL MINERAL INVENTORY: 104A4 Ag14

NAME(S): **MURDOCK (L. 3440-3446)**, HUGH 9-10, HUGH 4

STATUS: Showing
REGIONS: British Columbia
NTS MAP: 104A04E
LATITUDE: 56 06 53 N
LONGITUDE: 129 35 32 W
ELEVATION: 1219 Metres
LOCATION ACCURACY: Within 1 KM
COMMENTS: Approximate centre of Murdock claims (L. 3440-3446) (Mineral Titles Reference Map 104A/4E).

MINING DIVISION: Skeena
UTM ZONE: 09 (NAD 27)
NORTHING: 6218300
EASTING: 463130

COMMODITIES: Lead

MINERALS
SIGNIFICANT: Galena
MINERALIZATION AGE: Unknown

DEPOSIT
CHARACTER: Unknown
CLASSIFICATION: Unknown
TYPE: I05 Polymetallic veins Ag-Pb-Zn±Au

HOST ROCK
DOMINANT HOST ROCK: Volcanic

STRATIGRAPHIC AGE	GROUP	FORMATION	IGNEOUS/METAMORPHIC/OTHER
Triassic-Jurassic	Hazelton	Unuk River	

LITHOLOGY: Volcanic

GEOLOGICAL SETTING
TECTONIC BELT: Intermontane
TERRANE: Stikine

PHYSIOGRAPHIC AREA: Boundary Ranges

CAPSULE GEOLOGY

The Murdock showing is located on the Murdock claims (L. 3440 to 3446 inclusive), on the north side of Strohn Creek about 3 kilometres east of the Bear River Pass.

The Murdock claims were staked in 1921 by McHugo and Douville. Work was reported on the claims during 1923-25. No further activity has been reported.

The area is underlain by Hazelton Group volcanics of the Upper Triassic to Lower Jurassic Unuk River Formation (Bulletin 63). The volcanics strike north to northeast and dip to the west.

An occurrence of galena is reported on the claims (Minister of Mines Annual Report, 1923, 1925). No details on the mineralization are available.

BIBLIOGRAPHY

EMPR ASS RPT 22040
EMPR AR 1923-75; *1925-94
EMPR BULL 63
EMPR MAP 8
GSC MAP 307A; 315A; 9-1957; 1418A
GSC OF 2582

DATE CODED: 911021 CODED BY: WC FIELD CHECK: N
DATE REVISED: 920217 REVISED BY: WC FIELD CHECK: N

7.B. GEOLOGY:

As indicated in Figures 2A and 5, the Lower Jurassic Unuk River Formation of the Hazelton Group underlies most of the Poly Property area. The formation comprises predominantly sub-aerial volcanics of intermediate composition. Pyroclastic rocks, including lithic and crystal tuff, lapilli tuff, agglomerate and volcanic breccia, are common. The geology also includes feldspar porphyry flows.

The volcanic pile has been intruded by hypabyssal intrusions, some of which are of similar age, and consist of feldspar porphyry and rhyolite domes. The intrusions are found at Cornice Peak and Yvonne Peak (Figure 2A) and are believed to represent volcanic centres. The rhyolite domes, dykes and welded tuffs are believed to represent late stage acidic volcanism in the evolving island arc.

To the west, Mount Strohn (Figure 2A) is composed of shales and argillites unconformably overlying the volcanic rocks of the Unuk and Betty Creek Formations. The eastern part of the project area is composed mainly of the Salmon River Formation: argillite, with minor sandstone, limestone and shale. A large Eocene stock composed of quartz monzonite has intruded Salmon River Formation on the east side of the Poly Property (Figure 2A).

7C. MINERALIZATION:

The Stewart Highway Zone is associated with a north-northwest trending, west dipping structure exposed in the upper reaches of Boundary Creek (Figure 2A). The structure is up to 10 m wide and hosts boudined quartz-carbonate veins from 0.15 to 1 m in width. The veins are mineralized with disseminations and stringers of pyrite, pyrrhotite, arsenopyrite, galena, sphalerite, chalcopyrite, and tetrahedrite. Associated minerals include ankerite, potassium feldspar, chlorite, sericite and fuchsite. The veins are hosted by pyritized and silicified, green volcanics and black argillite, with the structure postulated to be located near their contact (Kennedy, 1992). Fuchsite, epidote and chlorite halo the veins.

The Highway Zone was initially traced over a 130 m strike length in Boundary Creek (Figure 2A; Kennedy 1992), at an elevation of 975 m, and to about 1 km north of Hwy 37A. The zone remains open to the north and south, where it disappears under talus. A sample taken at a similar elevation from East Boundary Creek some 400 m to the east returned values of 1.5 g Au/t, 6.2 g Ag/t, 121 ppm Cu, 508 ppm Pb and 708 ppm Zn (Kennedy 1992).

This sample, when referenced with specific stream sediment geochemistry, particularly arsenic i.e., one of the main signatures of the mineralization, suggests a large target area, which remains open in all directions. For example, the most northerly sample taken on the main branch of East Boundary Creek about 450m west of the Stewart Highway Zone (Figure 7), contained 58 ppb Au, 8.5 g Ag/t, 202 ppm Cu, 302 ppm Zn and 183 ppm As.

Moreover, the most northerly stream sediment sample taken on Boundary Creek contained 70 ppb Au, 148 ppm Cu and 288 ppm As.

In 1999, a small flagged grid was established on the 37A Zone. Initial prospecting, geological and geochemical surveys were carried out. A total of 8 soil samples were collected and yielded values of up to 60 ppb Au, 1 ppm Ag, 343 ppm Cu, 62 ppm Pb, 350ppm Zn, 90 ppm As and 230 ppm Ba. Fifteen rock float samples were collected and results of up to 70 ppb Au, 0.6 ppm Ag, 282ppm Cu, 12 ppm Pb, 152 ppm Zn and 210 ppm Ba were obtained.

The historic Ptarmigan Zone is located on the northern part of the Poly 1 claim (Figure 7). Epithermal style quartz-carbonate veins mineralized with galena, minor chalcopyrite, sphalerite and pyrite are associated with hypabyssal intrusions (Kennedy, 1992). The most prominent intrusion is a pyritized rhyolite that forms a prominent jarosite/alunite stained gossan. Other intrusion types include hornblende porphyry and feldspar porphyry, and the main host for all the types is crystal tuff and agglomerate.

The aforementioned veins occur in the pyroclastic rocks, proximal to the intrusions. Selected grab samples have yielded up to 69 g Au/t, 873 g Ag/t, 9.70% Pb and 9.72% Zn. However, initial chip samples failed to return significant values. As indicated in section 7.A. above, the Ptarmigan Zone may be the old Montreal 1-8 Showing, where mineralized breccia and veins were investigated by short tunnels and open cuts at various elevations. According to Minfile 104A-026, float samples, at 732 m elevation and of highly leached material containing quartz and galena, assayed 0.7 g Au/t, 1542.9 g Ag/t and 43% Pb.

8. 2000 EXPLORATION ACTIVITIES ON THE POLY 1-7 CLAIMS:

The field portion of the 2000 Poly Property Project was carried out between July 11 and August 30th, 2000. The project was funded, in part, by the Prospector's Assistance Program administered by the Geological Survey Branch of the BC Ministry of Energy and Mines. Exploration activities were carried out as allowed by weather, which was characterized by rain and fog for much of the time.

Work entailed a confirmatory survey in Galena Creek, the staking of the Poly 5-7 mineral claims and reconnaissance and detailed surveys in the 37A Zone area.

The approximately $ 13,000 project expenditure is summarized in Table 2. An apartment in the town of Stewart was used as a base of operation.

5 silt samples over distance of 900 m on Poly 5 (near Poly 4)

8.A. GEOLOGICAL AND GEOCHEMICAL SURVEYS USED TO EVALUATE THE GALENA CREEK AREA, POLY 5 CLAIM; AND 37A ZONE, POLY 2 AND 3 CLAIMS:

The Galena Creek Area was staked on historical information (Kennedy 1992) where float boulders and in situ quartz-carbonate veins were noted in the upper reaches of Galena Creek. A stream sediment sample taken during the 1999 Prospector's Assistance Program on Galena Creek returned 130 ppm As, 65 ppb Au, 1.0ppm Ag, 26 ppm Cu, 32 ppm Pb and 284 ppm Zn. Five stream sediment samples (and 1 check sample) were taken in the lower and readily accessible part of Galena Creek and confirmed the previous results. The results are displayed on Map 2. Prospecting the lower reaches of the creek did not reveal any interesting float or in situ occurrences and it was decided to focus the effort on the 37A Zone, which appeared to have interesting geology and mineralization on both sides of the highway. The Galena Creek area is still viewed as having unexplored potential but will require a helicopter to access the upper portions of the creek, an activity beyond the finances of this project.

so what was accomplished

The 37A Zone (Figure 7, Maps 3-12) was discovered during the regional geochemical survey described in the Report on the 1999 Prospectors Assistance Program (Molloy, 2000). The 37A Zone was first observed during the sediment sampling of Strohn Creek (Molloy, 2000) north of Entrance Peak, on Hwy 37A. The zone comprises an area of oxidized soil and altered (silicified, sulfidized) angular float boulders and large blocks, located in tag alders, between the old Hwy 37A and the new Hwy 37A. The present program confirmed the values previously reported and considerably enlarged the area of interest. A total of 172 samples (including check samples) were used to evaluate the 37A area. The zone has an apparent north-northwest trend and a width in excess of 90 m and has been traced with some certainty for over 300 m along strike. The zone continues to be open along strike in both directions.

The target appears to have been partially unearthed via road construction and subsequently obscured by vegetation. The importance of the zone is immediately apparent: the alteration is similar to and appears to represent the on-strike, southern extension of the historic Stewart Highway Zone, polymetallic showing.

As discussed in Section 7 of this report, the Stewart Highway Zone is exposed in streambeds, on the north side of Hwy 37A Valley, about 800 m north of the 37A Zone (Figure 7). Its significance was first indicated by talus blocks discovered on the old Hwy 37A, samples from which returned up to 56.85 g Au/t, 520 g Ag/t, and 15.2% Zn (Kennedy, 1992). The mineralization comprises intensely altered and fractured, silica flooded Hazelton Group volcanic rocks and Salmon River Formation argillites, mineralized with veins and disseminations of pyrrhotite, arsenopyrite, galena, sphalerite, chalcopyrite, and tetrahedrite. Chip samples taken in Boundary Creek returned up to 9.85 g Au/t, 1163 g Ag/t, 0.33% Cu, 0.54% Pb and 0.33% Zn across a 3 m width (Kennedy, 1992). Selective sampling of a sulfide rich section of a quartz vein returned 123.3 g Au/t; 1897 g Ag/t; 0.85% Cu, 5.79% Pb and 0.47% Zn across a 15 cm width. The Highway Zone was traced for about 130m at an orientation of 345°, at which point the zone disappeared under talus at either end. The planned drill testing was never carried out due to an incomplete land package.

A more extensive grid was established in 2000 consisting of 5 sample lines compassed and flagged and in part using the existing roads to facilitate sampling and mapping. Outcrop in the area is sparse but a good indication of the underlying rock can be obtained from the float and subcrop. Care was used while soils sampling to ascertain what rocks were encountered in the soil holes. The results of this endeavor are shown on Map 12.

The gold soil values are displayed on Map 4. Values ranged from <5 ppb to a high of 390ppb Au and averaged 36 ppb Au. Contouring the gold soil values starting at 30 ppb produced an area in the shape of an inverted "V" some 60 m along each "wing". The highest gold value in soil was located at BL, 1+50S (390ppb Au). The gold value 10 m to the south was 60 ppb. Gold in soil has a high correlation to copper in soil. There are four areas with coincident anomalous values; in three areas the copper values exceed 250 ppm Cu in the remaining area copper exceeds 200 ppm with the gold values in excess of 50 ppb Au. A less striking correlation is apparent with zinc. There is a general correlation with arsenic though the arsenic halo is broader. Higher gold values tend to fall within the 75 ppm As contour.

Gold rock values are also displayed on Map 4 but were not contoured. Rock gold values ranged from 5 ppb Au to 33.22 g Au/t. Gold values in rock averaged 25 ppb excluding the two ore grade samples referenced below. The highest rock value, from the grid area, is 135ppb in sample 759951 taken at 0+15m west of the baseline along old Hwy 37A. The best gold value encountered in the present program comes from a slide in a creek draining the Stewart Highway Zone located 35 m north of old Hwy 37A at 5+35m west of the baseline. This sample (656751RF) yielded 33.22 g Au/t in a sulfide rich boulder with obvious arsenopyrite. A second sample (656752RF) from the same location returned 9.93 g Au/t.

Silver values in ppm are presented on Map 5. Results for silver in soil ranged from <0.2 ppm to 1.6 ppm and averaged 0.4 ppm Ag. Values exceeding 0.5 ppm Ag cluster in a generally north west trending band up to 100m wide and extending off the grid area in the along strike direction to the north west. As currently evaluated, and open for extension, the cluster of elevated values exceeds 350 m. The highest value in soils is 1.6 ppm Ag and occurs generally in the center of the trend. Silver shows only a broad correlation with the other elements plotted.

Silver values in rock samples range from <0.2ppm Ag to 5894.9 g Ag/t and averaged 1.0 ppm Ag. Samples 656751RF and 656752RF taken in a creek draining the Stewart Highway Zone returned 5894.9 g Ag/t and 41.2 ppm Ag respectively. The grid area has a high rock value of 17.6 ppm Ag located on L1+50S at 0+30E. This value is outside the soil halo but is generally along the northwest trend of the soil anomaly.

Analytical results for copper are displayed on Map 6. Values in soil samples range from 31 ppm Cu to 317 ppm Cu and averaged 148 ppm Cu. Anomalous values (greater than 50 ppm Cu) align in a northwesterly trend, with clusters of higher values (greater than 200 ppm Cu occurring in generally north or northeast trends. These have a periodicity of about 100 m. The author speculates that north to northeast trending mineralized cross structures may be responsible for this pattern. Copper correlates best with gold but also with lead, zinc, arsenic and cadmium. Copper and lead show a weak correlation, higher values for both tend to be concurrent. The lead values tend to trend northwest while the higher values for copper and most other elements tend to trend more or less north south. Reasonable correlation is noted between copper and zinc. A broad, general correlation is present with cadmium, most of the values above 200 ppm Cu occur within the 2.0 ppm Cd contour. Copper shows a general correlation with barium, particularly at the 200 ppm level for both elements.

Copper values in rock within the grid area range from 22 ppm Cu to 490 ppm Cu and averaged 197 ppm Cu excluding samples 565751RF and 756752RF. The highest copper value in the project area comes from a sulfidized boulder (sample 565751RF) in a slide in a creek draining the Stewart Highway Zone. This boulder with abundant arsenopyrite assayed 1.42% copper. Sample 656752RF had ore grade gold but returned 251 ppm Cu.

Sampling results for lead are shown on Map 7. Soil values ranged from 6 ppm Pb to 86 ppm Pb and averaged 27 ppm Pb. Anomalous soil values generally coincide with yellow or orange oxidized soil. A north-northwest trending pattern is obvious at the 30 ppm Pb contour. The soil anomaly is approximately 150 m wide by 250 m long and generally coincident with the other elements noted above. A general correlation with copper and zinc is apparent.

Lead values in rock ranged from 2ppm Pb to 4570 ppm Pb and averaged 80 ppm Pb excluding samples 565751RF and 756752RF. The best lead value from rock within the grid area is 2650 ppm on the baseline just north of Hwy 37A. The best lead value in the project area comes from sample 656751RF in the slide of the creek draining the Stewart Highway Zone; this sample returned 4570 ppm Pb.

Zinc values in ppm are presented on Map 8. Most of the grid area is underlain by anomalous soil values in excess of 150 ppm Zn. Soil values ranged from 50 ppm Zn to 398 ppm Zn and averaged 213 ppm Pb. In general terms values drop to below 150 ppm more or less along the old HWY 37A. This is believed to be the approximate contact of the Hazelton Group with the Eocene quartz monzonite intrusive. Three prominent zinc soil anomalies are present; a north east trending 100 m by 20 m zone centred at L0+50S, 0+80W; a zone trending north-north east approximately 150 m long by 40 m wide centred at BL, 0+80S (and open to the south west); and a zone centred at Hwy 37A just west of the parking lot turn-off which appears to trend north west which is about 130 m wide by 150 m long and open to the south east. The zones may indeed be parts of a north west trending zone which is cut by northwest trending cross structures. The soil anomaly patterns are similar to those observed for copper.

Rock sample results ranged from 34 ppm Zn to 1.19% Zn and averaged 204 ppm Zn. The highest zinc value in the grid area from rock sampling was 2890 ppm in sample 759922RS on the baseline at 0+80S. The best zinc value in the project area comes from sample 656751RF in the slide of the creek draining the Stewart Highway Zone; this sample returned 1.19% Zn.

Analytical results for cadmium are displayed on Map 9. Analytical values for cadmium in soil ranged from <0.5 ppm Cd to 5.0 ppm Cd and averaged 1.2 ppm Cd. Anomalous values in soil (greater than 1.0 ppm Cd) show a pattern similar to the higher zinc values. The highest soil value (5.0 ppm Cd) is located just north of Hwy 37A about 75 m east of the baseline. A north west trending anomaly approximately 150 m by 120 m is centred on this value and is open to the south east.

Cadmium values in rock samples ranged from <0.5 ppm Cd to 153.5 ppm Cd and averaged 1.2 ppm Cd without the sample 565751RF, referenced below or 5.0 if this sample is included. Cadmium values in rock within the grid area range up to 22.5 ppm Cd in sample 759922RS on the baseline at 0+80S. The highest cadmium value in the project area comes from a sulfidized boulder (sample 565751RF) in a slide in a creek draining the Stewart Highway Zone. This boulder with abundant arsenopyrite yielded 153.5 ppm Cd.

Sampling results for arsenic are shown on Map 10. Values in soil ranged from 12 ppm As to 150 ppm As and averaged 69 ppm As. The sample which produced the 150 ppm As value is located south and down slope from the Stewart Highway Zone. Anomalous soil values (greater than 25 ppm As) occur within most of the grid area. A strong (>75 ppm As) north-north east trending anomaly some 130 m by 25 m occurs on the western margin of the grid. An area of higher values some 110 m wide by 170 m long (>75 ppm As) occurs in the southeast quadrant of the grid and remains open to the southeast. The highest soil value within the grid area is 122 ppm As located north of the open gravel parking area.

Values in rock samples ranged from <2 ppm As to >10,000 ppm As and averaged 21.5 ppm As excluding samples 656751RF and 656752RF referenced below. The best arsenic value from rock within the grid area is 530 ppm As just north of old Hwy 37A about 100m east of the baseline. The best arsenic values in the project area comes from samples 656751RF and 656752RF in the slide of the creek draining the Stewart Highway Zone; these samples returned >1000 and >10,000 ppm As respectively.

Sampling results for barium are shown on Map 11. Soil values ranged from 70 ppm Ba to 350 ppm Ba and averaged 181 ppm Ba. Anomalous soil values (greater than 200 ppm Ba) are found within most of the grid area. A cluster (120 m by 110 m) of values greater than 250 ppm Ba is located in the eastern part of the survey area and remains open to the south east.

Rock sample results ranged from 10 ppm Ba to 440 ppm Ba and averaged 121 ppm Ba. The best barium value from rock within the grid area is 440 ppm Ba on L 0+50S at 0+90W. Another high value within the grid area is 350 ppm Ba located just north of Hwy 37A at 0+75 m east of the baseline.

The results of the geological survey are presented on Map 12. The grid area contains very little actual outcrop, however a good appreciation of the underlying bedrock can be gleaned from the abundant float and material encountered in the soil sample holes. The majority of the grid area seems underlain by Hazelton Group crystal tuff and crystal tuff breccia. The rocks are generally altered, silicified, sometimes chloritized, well fractured, well sulfidized, well oxidized, usually with limonite. Pyrite, arsenopyrite, chalcopyrite, burnt, sphalerite and galena have all been noted and are most apparent in some of the larger (up to 2 m) blocks particularly in the open areas near the baseline with highly oxidized soil. They usually break down forming an orange to yellow colored soil. To the west of the grid area most of the rock noted both in float and from the soil holes is mostly Bowser Lake Group sediments generally black to dark grey, fine grained siltstone and mudstone. They are generally less altered than the volcanics but sometimes pyrite was noted, particularly in fractures. Just to the north of the end of the base line a fairly large outcrop of quartz monzonite is present. This is a part of the Eocene age intrusion mapped by Grove. The contact of the intrusion is essentially on the old Hwy 37A.

8.B CONCLUSIONS:

The polymetallic signature of the 37A Zone in soil sampling is readily apparent. Taken with the strong alteration of apparently underlying Hazelton Group volcanics and highly anomalous values in rock sampling, the area presents a sizable, attractive exploration target. Moreover the zone is open for extension and appears to be the along strike extension of the Stewart Highway Zone. The total strike length of the 37A Zone – Stewart Highway Zone is approximately 1.4 km. The property includes additional polymetallic targets, most notably the Cornice Mountain Breccia Zone located at Cornice Mountain, the Ptarmigan Zone to the west of the Stewart Highway Zone and the lower priority Galena Creek Area.

The targets appear to be structurally controlled with potential for hosting high-grade gold and silver breccia vein system with a base metal component. The Stewart Highway Zone comprises a number of parallel and/or en-echelon zones and other zones may be similar. As noted in Section 7 of this report, there is ample evidence of such additional zones in East Boundary Creek and elsewhere on the Poly Claims.

Geophysical surveys, or trenching or diamond drilling has apparently never tested the Stewart Highway Zone and its possible extension. Follow-up work, as proposed below, is warranted in view of the relatively low exploration costs entailed by the infrastructure provided by Hwy 37A on the property.

8.C. RECOMMENDATIONS:

It is recommended that the grid (Maps 3-12) established on the 37A Zone be extended to the north to the Highway Zone; and to the south as far as ground conditions permit. The 25 m line spacing should be continued as warranted by results and as topography permits, and detailed soil sampling, geological surveys and prospecting should be carried out with a view to establishing if the Highway Zone and the 37A Zone is indeed one continuous zone. Work to date suggests that the target mineralization is associated with sulfidized fracture zones, particularly where silicification is most intense. IP and magnetometer surveying is thus proposed to locate chargeability and associated resistivity and magnetic anomalies. Geophysical surveys (magnetic and induced polarity) should be carried out on lines crossing the Highway and 37A Zones and extended as warranted by the signatures resistivity and chargeability anomalies; and magnetic low or high anomalies, reflective of structure or pyrrhotite) produced in the areas of known mineralization. At the conclusion of the geophysical and geochemical programs it should be possible to delineate and prioritize drill targets.

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10. STATEMENT OF QUALIFICATIONS:

I, David Roy Kennedy, of the District of North Vancouver, British Columbia, hereby certify that:

i. I am a prospector/consultant and President of Ailsa Exploration Consultants Ltd., with a business address at 5596 Nuthatch Place, North Vancouver, British Columbia, V7R 4R8;

ii. I am a graduate of Acadia University, Wolfville Nova Scotia, with a B.Sc. in Geology (1970);

iii. I have practised my profession in mineral exploration continuously for the past 30 years, including 10 years as a consultant; 10 years with St. Joe Canada Inc./Bond Gold Canada Inc./LAC Minerals Ltd. as Regional Geologist, Exploration Manager, Western Canada; 2 years with Campbell Resources as a Regional Geologist and, 8 years with Flanagan McAdam & Co. as a Regional Geologist;

iv. I am a member of the Association of Professional Engineers and Geoscientists of British Columbia;

v. I am a Member of the BC Yukon Chamber of Mines;

vi. I have carried out the field work and prepared this report entitled "Report on the Poly 1-7 Claims, 2000 Entrance Peak Project, Skeena Mining Division, Northwestern British Columbia";

vii. The recommendations herein are solely the responsibility of the author.

D.R. Kennedy

PROFESSIONAL PROVINCE OF D.R. KENNEDY BRITISH COLUMBIA GEOSCIENTIST

David Roy Kennedy, B.Sc., Professional Geoscientist

Dated at North Vancouver, this 30th day of December 2000.

10. STATEMENT OF QUALIFICATIONS:

I, David Roy Kennedy, of the District of North Vancouver, British Columbia, hereby certify that:

i. I am a prospector/consultant and President of Ailsa Exploration Consultants Ltd., with a business address at 5596 Nuthatch Place, North Vancouver, British Columbia, V7R 4R8;

ii. I am a graduate of Acadia University, Wolfville Nova Scotia, with a B.Sc. in Geology (1970);

iii. I have practised my profession in mineral exploration continuously for the past 30 years, including 10 years as a consultant; 10 years with St. Joe Canada Inc./Bond Gold Canada Inc./LAC Minerals Ltd. as Regional Geologist, Exploration Manager, Western Canada; 2 years with Campbell Resources as a Regional Geologist and, 8 years with Flanagan McAdam & Co. as a Regional Geologist;

iv. I am a member of the Association of Professional Engineers and Geoscientists of British Columbia;

v. I am a Member of the BC Yukon Chamber of Mines;

vi. I have carried out the field work and prepared this report entitled "Report on the Poly 1-7 Claims, 2000 Entrance Peak Project, Skeena Mining Division, Northwestern British Columbia";

vii. The recommendations herein are solely the responsibility of the author.

David Roy Kennedy, B.Sc., Professional Geoscientist

Dated at North Vancouver, this 30th day of December 2000.

APPENDIX A

SAMPLE DESCRIPTIONS

POLY PROPERTY

KENNEDY - AREA - GALENA CREEK

	SAMPLE NO., LOC. TYPE:	NAME, COLOUR:	DESCRIPTION:	STREAM PERAMATERS:	GEOLOGY: HAZELTON VOL, MAINLY AND COMP, OFTEN	SELECTED ANALYSES AU	AG	CU	PB	ZN	CD	AS	BA
1	759901SS TOP MAP 104/A HWY 37 & BITTER CRK; NW BANK, CHECK MATERIAL FOR SURV	SD, BLK	FI GR, MAINLY RD *MAFIC VOL (70%);* QTZ (15%); OX MAT (6%); FELD (5%); MINOR BIOTITE, SERICITE; NO MAGNETITE	FAST FLOW NW, MAJOR STREAM DRAINING MINERALIZED AREA THAT INCLUDES RED MOUNTAIN FLOWS NE	ALTERED (SIL, CARB, K FELSPAR, LIM)	90	3.6	136	68	276	4.5	134	60
2	759902SS GALENA CRK 300 M UPSTR FR HWY 37A	SILT/SD BRN	SILT - MED 40% SD, 60% SILT SD C/W WH QTZ, BLK VOL	HETRO BO MAIN CHAN, STR FLOW FLOWS 225 DEG		30	0.8	101	36	162	1.5	108	150
3	759903SS GALENA CRK 375 M UPSTR FR HWY 37A	SILT/SD GREY BRN	SILT - FI 2% CL, 40% SD, 58% SILT SD C/W WH QTZ, BLK VOL OX MAT	HETRO BO MAIN CHAN, STR FLOW		<30	0.8	110	34	154	1.5	116	150
4	759904SS GALENA CRK 450 M UPSTR FR HWY 37A	SILT/CL GREY BRN	SILT - CL 5% CL, 95% SILT WELL SORT	HETRO BO MAIN CHAN, STR FLOW		30	0.8	105	34	132	1.5	122	140
5	759905SS GALENA CRK 225 M UPSTR FR HWY 37A	SD/SILT/CL GREY BRN	CL - MED 10% CL, 60% SILT, 30 SD HETRO SD	HETRO BO TRIB TO MAIN CHAN LOW FLOW		<30	0.8	102	28	140	1.5	108	150
6	759906SS GALENA CRK 100 M UPSTR FR HWY 37A	SD/SILT/CL GREY BRN	CL - MED 5% CL, 30% SILT, 65 SD HETRO SD C/W QTZ, OX, BLK VOL	HETRO BO MAIN CHANEL STR FLOW		30	0.8	108	30	142	1.5	122	150

KENNEDY

AREA B: HIGHWAY ZONE EXTENSION:

SOIL SAMPLES:

	SAMPLE NO., TYPE, LOCATION	NAME, HORIZ, DEVEL, DEPTH	GR SIZE, COLOUR	COMPOSITION	DRAINAGE, GEOLOGY	COMMENTS	SELECTED ANALYSES AU	AG	CU	PB	ZN	CD	AS	BA
1	759907SO GRID 0+00 ON OLD HWY BL @ 0 DEG	SILT/SD, STON B, POOR, 12CM	SILT -CO, ORG BRN	80% SILT, 20% SD - CO FRACT C/W ALT BREC FRAGS	GOOD, S ALT VOL BREC		<30	0.2	152	30	208	1.0	42	170
2	759909SO GRID 0+10N BL @ 0 DEG	SILT/SD, B,-C WELL, 16CM	SILT -CO, YEL BRN	40% SILT, 60% SD - CO FRACT C/W ALT BREC FRAGS MIN ORGS	GOOD, W ALT VOL BREC & GRAN		<30	<0.2	42	14	138	0.5	18	90
3	759910SO GRID 0+10S BL @ 0 DEG	SILT/SD/PEBS BC, POOR, 16CM	SILT - PEBS ORG BRN	20% SILT, 60% SD, 20% PEBS> OX ALT ANG, WELL LIM MIN ORGS	GOOD, S ALT VOL BREC		30	0.4	249	40	270	0.5	62	260
4	759911SO GRID 0+20S BL @ 0 DEG	SILT/SD/PEBS BC, POOR, 16CM	SILT - PEBS ORG BRN	20% SILT, 60% SD, 20% PEBS> OX ALT ANG, WELL LIM MIN ORGS	GOOD, S ALT VOL BREC		60	0.2	237	36	254	1.0	50	240
5	759914SO GRID 0+30S BL @ 0 DEG	SILT/SD/PEBS BC, POOR, 16CM	SILT - PEBS ORG BRN	20% SILT, 60% SD, 20% PEBS> OX ALT ANG, WELL LIM MIN ORGS	GOOD, S ALT VOL BREC		60	0.4	222	42	260	1.0	60	220
6	759915SO GRID 0+40S BL @ 0 DEG	SILT/SD/PEBS BC, POOR, 8 CM ON BEDRK	SILT - PEBS ORG BRN	10% SILT, 30% SD, 60% PEBS> OX ALT ANG, WELL LIM MIN ORGS	GOOD, S ALT VOL BREC		30	0.4	176	32	224	1.0	52	190
7	759916SO GRID 0+50S BL @ 0 DEG	SILT/SD/PEBS BC, POOR, 12 CM	SILT - PEBS ORG BRN	40% SILT, 50% SD, 10% PEBS> OX ALT ANG, WELL LIM, VOL BREC FRAGS	GOOD, S ALT VOL BREC		30	0.6	207	46	268	0.5	58	230
8	759917SO GRID 0+60S BL @ 0 DEG	SILT/SD/PEBS BC, POOR, 12 CM	SILT - PEBS ORG BRN	40% SILT, 50% SD, 10% PEBS> OX ALT ANG, WELL LIM, VOL BREC FRAGS MIN ORGS	GOOD, S ALT VOL BREC		<30	0.4	173	36	226	1.0	54	200
9	759919SO GRID 0+67S BOT OF BULDOZ HEAP	CL/SILT/SD/PEBS BC, POOR, 5 CM	CL-PEBS ORG BRN	5% CL, 55% SILT, 40% SD, MIN PEBS - LIM, ANG BREC FRAGS	GOOD, S ALT VOL BREC		30	0.4	197	44	264	1.0	64	250
10	759921SO GRID 0+80S N SIDE HWY 37A	CL/SILT/SD/PEBS BC, POOR, 5 CM	CL-PEBS ORG BRN	5% CL, 55% SILT, 40% SD, MIN PEBS - LIM, ANG BREC FRAGS	GOOD, S ALT VOL BREC		30	0.6	208	46	264	1.5	64	240
11	759924SO GRID 1+10S S SIDE HWY 37A	SILT/SD B, GOOD 15 CM	SILT-CO YEL BRN	90% SILT, 10% SD, MIN PEBS - LIM, ANG BREC FRAGS	GOOD, S ALT VOL BREC		30	0.6	149	44	322	1.5	54	200
12	759926SO GRID 1+20S S SIDE HWY 37A	SILT/SD B, GOOD 24 CM	SILT-CO YEL BRN - PK BRN	90% SILT, 10% SD, MIN PEBS - LIM, ANG BREC FRAGS	GOOD, S ALT VOL BREC		<30	0.6	64	10	150	1.0	12	120

						AU	AG	CU	PB	ZN	CD	AS	BA
13	759928SO GRID 1+30S S SIDE HWY 37A	SILT/SD B, GOOD 16 CM	SILT- FI YEL BRN	80% SILT, 15% SD, MIN PEBS - LIM, ANG BREC FRAGS, MIN ORGS	GOOD, S ALT VOL BREC	<30	0.6	185	24	282	2.0	58	230
14	759930SO GRID 1+38S S SIDE HWY 37A	SILT/SD B, GOOD 25 CM BK	SILT- FI YEL BRN	90% SILT, 10% SD, MIN PEBS - LIM, ANG BREC FRAGS, MIN ORGS	GOOD, SW ALT VOL BREC	30	0.6	235	22	306	2.5	92	270
15	759931SO GRID 1+50S S SIDE HWY 37A	SILT/SD B, GOOD 30 CM BK	SILT- FI YEL BRN	90% SILT, 10% SD, MIN PEBS - LIM, ANG BREC FRAGS, MIN ORGS	GOOD, W ALT VOL BREC	390	0.6	197	24	246	1.0	66	200
16	759933SO GRID 1+50S, 0+10W S SIDE HWY 37A	SILT/SD B, GOOD 24 CM BK	SILT- FI YEL BRN ORG BRN	90% SILT, 10% SD, MIN PEBS - LIM, ANG BREC FRAGS, MIN ORGS	POOR ALT VOL BREC	<30	0.6	187	24	276	2.5	66	210
17	759934SO GRID 1+50S, 0+22W S SIDE HWY 37A	SILT/SD B, GOOD 25 CM BK	SILT- FI YEL BRN ORG BRN	80% SILT, 20% SD, MIN PEBS - LIM, ANG BREC FRAGS, MIN ORGS	GOOD, W ALT VOL BREC	<30	0.2	138	14	174	1.0	48	270
18	759937SO GRID 1+50S, 0+30W S SIDE HWY 37A	SILT/SD B, GOOD 25 CM BK	SILT- FI YEL BRN ORG BRN	80% SILT, 20% SD, MIN PEBS - LIM, ANG BREC FRAGS, MIN ORGS	GOOD, W ALT VOL BREC	60	0.6	219	30	282	1.5	74	230
19	759939SO GRID 0+10E OLD HWY	SILT/SD/PEBS STONEY B-C POOR, 8 CM	SILT- PEBS YEL BRN	70% SILT, 20% SD, 10% PEBS - LIM, ANG BREC FRAGS, SOM BLK SED	GOOD, W ALT VOL BREC	60	0.2	158	32	214	1.0	40	180
20	759941SO GRID 0+20E OLD HWY	SILT/SD/PEBS STONEY B-C POOR, 12 CM	SILT- PEBS YEL BRN	70% SILT, 20% SD, 10% PEBS - LIM, ANG BREC FRAGS, SOM BLK SED	GOOD, W ALT VOL BREC	<30	0.2	121	30	202	1.0	36	130
21	759943SO GRID 0+30E OLD HWY	SILT/SD/PEBS STONEY B-C POOR, 8 CM	SILT- PEBS BRN	30% SILT, 60% SD, 10% PEBS - GRAN, MIN BREC	GOOD, S NONE	<30	0.2	56	16	126	0.5	22	80
22	759944SO GRID 0+40E OLD HWY	SILT/SD/PEBS STONEY B-C POOR, 8 CM	SILT- PEBS BRN	30% SILT, 60% SD, 10% PEBS - GRAN, BLK SED MIN ORGS	GOOD, S NONE	<30	0.2	44	14	136	0.5	18	90
23	759945SO GRID 0+75E OLD HWY	SILT/SD/PEBS B GOOD, 20 CM BK	SILT- PEBS BRN	30% SILT, 60% SD, 10% PEBS - GRAN, BLK SED MIN ORGS	GOOD, SW ON EDGE OF DRAINAGE CHAN-NO SS; GRAN BO	<30	0.2	44	14	144	0.5	18	80
24	759949SO GRID 0+10W OLD HWY	SILT/SD/PEBS B-C, POOR, 12 CM	SILT- PEBS BRN	80% SILT, 10% SD, 10% PEBS - OX BREC, SOM GRAN MIN ORGS	GOOD, S	60	0.6	132	26	188	1.5	50	170
25	759952SO GRID 0+20W OLD HWY	SILT/SD/ORGS B-C, POOR, 8 CM	SILT- FI BRN	90% SILT, 5% SD, 5% ORGS	GOOD, S E SIDE RUBBLE PILE	<30	0.6	149	24	184	1.5	52	180
26	759953SO GRID 0+30W OLD HWY	SILT/SD/PEBS B-C, POOR, 12 CM	SILT- PEBS BRN	60% SILT, 30% SD, 10% HETRO FRAGS - BLK SED, OX FRAGS;	GOOD, S GRAN OC ACROSS RD	<30	0.8	47	44	218	1.0	42	300

						AU	AG	CU	PB	ZN	CD	AS	BA
44	759982SO GRID 0+50S, 0+20W	SILT/SD/PEBS B, WELL 24 CM	SILT- PEBS YEL BRN	90% SILT, 10% SD, MIN OX FRAGS	GOOD, SW ALT TUFF BREC OX BO UBIQ FERNS	60	0.8	164	32	196	1.0	50	170
45	759984SO GRID 0+50S, 0+30W	SILT/ORGS B, WELL 24 CM	SILT RD BRN BLK	95% SILT, 5% ORGS MIN OX FRAGS	GOOD, W ALT TUFF BREC ABUND OX BO	<30	1.6	61	8	60	<0.5	22	110
46	759986SO GRID 0+50S, 0+40W	SILT/SD/PEBS B, WELL 30 CM, BK	SILT - PEBS YEL BRN	80% SILT, 10% SD, 10% PEBS MIN ORGS	GOOD, SW ALT TUFF BREC ABUND OX BO	30	0.8	131	40	168	0.5	52	140
47	759988SO GRID 0+50S, 0+50W	SILT/ORGS B, WELL 24 CM, BK	SILT YEL BRN - RD	95% SILT, 5% ORGS 10% PEBS MIN ORGS, WELL HEM	GOOD, SW ALT TUFF BREC ABUND OX BO	<30	1.2	51	4	50	<0.5	10	120
48	759990SO GRID 0+50S, 0+60W	SILT/SD B, WELL 14 CM, BK	SILT -CO RD - ORG BRN	90% SILT, 10% ORGS CO HAS OXID PEBS	GOOD, SW BLK SED & SIL BREC BO	<30	0.6	168	36	228	1.5	64	200
49	759991SO GRID 0+50S, 0+70W	SILT/SD/PEBS B, WELL 16 CM	SILT - PEBS RD BRN	80% SILT, 10% SD, 10% PEBS OX BREC	GOOD, SW SIL BREC BO	30	0.6	168	32	230	2.0	66	220
50	759992SO GRID 0+50S, 0+80W	SILT/SD B, WELL 14 CM	SILT - CO ORG BRN	40% SILT, 60% SD, 10% PEBS OX BREC, MIN ORGS	GOOD, SW SIL BREC BO	<30	0.6	176	48	314	1.0	98	200
51	759993SO GRID 0+50S, 0+90W	SILT/SD STONEY B, WELL 12 CM	SILT - CO YEL ORG BRN	70% SILT, 30% SD, CO HAS OX TUFF & MIN BLK FI TUFF	GOOD, SW SIL CRYST TUFF	<30	0.4	186	36	268	0.5	88	200
52	759995SO GRID 0+50S, 1+00W	SILT/SD STONEY B, WELL 12 CM	SILT - CO YEL ORG BRN	70% SILT, 30% SD, CO HAS OX TUFF & MIN BLK FI TUFF	GOOD, SW SIL CRYST TUFF	<30	0.2	90	24	202	0.5	50	120
53	759996SO GRID 0+25S, 0+10W	SILT/SD STONEY B, WELL 16 CM	SILT - PEBS YEL ORG BRN	70% SILT, 20% SD, 10% PEBS INCL BREC, WELL LIM, HEM VUGGY	GOOD, SW SIL CRYST TUFF, BREC	30	0.4	189	32	238	2.0	64	200
54	759997SO GRID 0+25S, 0+20W	SILT/PEBS B, WELL 14 CM	SILT - PEBS ORG BRN	95% SILT, 5% PEBS, INCL BREC, TUFF	GOOD, SW LARG ANG BREC BO	30	0.6	208	34	248	1.5	74	200
55	759998SO GRID 0+25S, 0+30W	SILT/PEBS STONEY B C, POOR, 10 CM	SILT - PEBS ORG BRN	95% SILT, 5% PEBS, INCL BREC, TUFF MIN ORGS	GOOD, SW ANG BREC BO	<30	0.8	165	32	188	1.0	58	210
56	759851SO GRID 0+25S, 0+40W	SILT/SD/PEBS B, WELL, 20 CM	SILT - PEBS ORG BRN YEL BRN	30% SILT, 60% SD, 10% PEBS INCL BREC, TUFF C/W SOM JAR/AL	GOOD, SW ANG BREC BO	30	0.8	151	16	190	1.0	54	210
57	759852SO GRID 0+25S, 0+50W	SILT/SD B, WELL, 15 CM	SILT - CO ORG BRN	70% SILT, 30% SD, MIN SIL BREC	GOOD, SW ABUND OX BREC BO	<30	0.6	127	16	180	0.5	54	160
58	759853SO GRID 0+25S, 0+60W	SILT/SD B, WELL, 15 CM	SILT - CO ORG BRN	70% SILT, 30% SD, MIN SIL BREC	GOOD, SW ABUND OX BREC BO	60	0.6	237	48	270	1.5	80	240
59	759854SO GRID 0+25S, 0+70W	SILT/SD/PEBS STONEY B, POOR 8 CM	SILT - PEBS YEL BRN	20% SILT, 70% SD, 10% PEBS - ANG, SIL SILVER SULFS	GOOD, SW ABUND OX BREC BO	90	0.6	211	32	248	1.5	84	230

						AU	AG	CU	PB	ZN	CD	AS	BA
27	759954SO GRID 0+40W OLD HWY	SILT/SD/PEBS B-C, POOR, 12 CM	SILT- PEBS BRN	80% SILT, 15% SD, 5% HETRO FRAGS - MAINLY BLK SED	GOOD, S GRAN OC ACROSS RD GRAN RUB	<30	0.6	107	22	168	0.5	50	150
28	759955SO GRID 0+75W OLD HWY	SILT/SD/PEBS B-C, POOR, 12 CM BK	SILT- PEBS BRN	80% SILT, 15% SD, 5% HETRO FRAGS - MAINLY BLK SED	GOOD, S OX BREC & SED FRAGS IN HOLE	<30	0.4	44	20	162	1.5	18	110
29	759956SO GRID 0+70W, 0+20S OLD HWY	SILT/SD/PEBS B, WELL, 28 CM BK	SILT- PEBS ORG BRN WELL LIM	70% SILT, 20% SD, 10% OX BRECC FRAGS & OC	GOOD, SW ON HILL C/W ALT BREC OC & ABUND SC	30	0.6	297	86	330	2.5	78	280
30	759958SO GRID 1+00W OLD HWY	SILT/SD/PEBS B, WELL, 20 CM BK	SILT- PEBS ORG BRN	30% SILT, 60% SD, 10% ASH TUFF FRAGS	GOOD, S ASH TUFF BO	<30	0.4	42	16	126	0.5	32	90
31	759959SO GRID 1+25W OLD HWY	SILT/SD/PEBS B, WELL, 20 CM BK	SILT- PEBS ORG BRN	30% SILT, 60% SD, 10% OX BREC FRAGS	GOOD, S BREC BO	<30	0.8	82	22	142	0.5	102	150
32	759960SO GRID 1+15W, 10S OLD HWY	SILT/SD/PEBS B, WELL, 20 CM BK	SILT- PEBS ORG BRN	50% SILT,40% SD, 10% OX BREC FRAGS, SOM GRAN, SOM BLK SIL TUFF	GOOD, S BREC BO	30	0.4	149	32	182	1.5	52	140
33	759962SO GRID 1+50W, 10S OLD HWY	SILT/SD/PEBS STONY B, POOR, 20 CM, BK	SILT- PEBS BRN	30% SILT,40% SD, 30% OX BREC FRAGS, SOM BLK SIL TUFF	GOOD, S HETRO BO	30	1.4	63	30	176	2.0	118	150
34	759964SO GRID 1+75W, 5S OLD HWY	SILT/SD/PEBS STONY B, WELL, 16 CM, BK	SILT- PEBS BRN	30% SILT, 60% SD, 10% BLK SED & BLK SIL TUFF	GOOD, S HETRO BO	30	0.4	40	14	118	0.5	18	70
35	759965SO GRID 2+00W, 5S OLD HWY	SILT/SD/PEBS STONY B, WELL, 16 CM, BK	SILT- PEBS BRN	30% SILT, 60% SD, 10% BLK SED & BLK SIL TUFF	GOOD, S HETRO BO	<30	0.4	40	12	120	0.5	22	100
36	759966SO GRID 0+50S, 0+10E	SILT/SD/PEBS STONY B, POOR, 10 CM	SILT- PEBS ORG BRN	80% SILT, 10% SD, 10% OX FRAGS	GOOD, S ALT TUFF BREC	30	0.2	201	38	254	2.0	64	210
37	759967SO GRID 0+50S, 0+20E	SILT/SD/PEBS STONY B, POOR, 15 CM	SILT- PEBS YEL BRN	80% SILT, 10% SD, 10% OX FRAGS	GOOD, SW ALT TUFF BREC	60	0.6	221	36	270	1.5	72	230
38	759969SO GRID 0+50S, 0+30ES	SILT/SD/PEBS STONY B, FAIR, 20 CM	SILT- PEBS RD BRN HEM, LIM	80% SILT, 10% SD, 10% OX FRAGS	GOOD, SW ALT TUFF BREC OX BO	60	0.6	240	26	272	3.0	90	240
39	759970SO GRID 0+50S, 0+40E	SILT/SD/PEBS STONY B, POOR, 12 CM	SILT- PEBS ORG BRN LIM	80% SILT, 10% SD, 10% OX FRAGS	GOOD, SW ALT TUFF BREC OX BO	<30	0.2	136	18	202	3.0	52	240
40	759971SO GRID 0+50S, 0+50E	SILT/SD/PEBS STONY B, POOR, 24 CM	SILT- PEBS ORG BRN LIM	80% SILT, 10% SD, 10% OX FRAGS	GOOD, SW ALT TUFF BREC OX BO	30	0.4	210	20	256	2.0	80	240
41	759972SO GRID 0+50S, 0+60E	SILT/SD/PEBS STONY B, POOR, 15 CM	SILT- PEBS ORG BRN LIM	60% SILT, 30% SD, 5% OX FRAGS 5% ORGS	GOOD, SW ALT TUFF BREC OX BO	60	0.6	206	20	236	1.5	80	220
42	759973SO GRID 0+50S, 0+70E	SILT/SD/PEBS STONY B, POOR, 15 CM	SILT- PEBS ORG BRN LIM	60% SILT, 30% SD, 5% OX FRAGS 5% ORGS	GOOD, SW ALT TUFF BREC OX BO	60	0.4	250	24	278	2.0	80	250
43	759981SO GRID 0+50S, 0+10W	SILT/SD/PEBS B, WELL 15 CM	SILT- PEBS ORG BRN LIM	90% SILT, 10% SD, MIN OX FRAGS - SOM VUGGY, SOM JAR AL	GOOD, SW ALT TUFF BREC OX BO	30	0.2	219	50	290	1.5	62	260

						AU	AG	CU	PB	ZN	CD	AS	BA
60	759855SO GRID 0+25S, 0+80W	SILT/SD/PEBS B, WELL 20 CM, BK	SILT - PEBS YEL BRN	60% SILT, 30% SD, 10% PEBS - ANG, SIL BREC FRAGS	GOOD, SW SOM OX BREC BO	60	0.6	208	32	240	1.0	80	210
61	759857SO GRID 0+25S, 0+10E	SILT/SD/PEBS STONEY B, WELL 10 CM	SILT - PEBS YEL BRN	80% SILT, 10% SD, 10% PEBS - ANG, SIL BREC FRAGS	GOOD, SW OX BREC BO	60	0.4	310	44	290	2.0	70	280
62	759858SO GRID 0+25S, 0+20E	SILT/SD/PEBS STONEY B, FAIR 12 CM	SILT - PEBS YEL BRN	80% SILT, 10% SD, 10% PEBS - ANG, SIL BREC FRAGS	GOOD, SW NO SURF GEOL	60	0.6	251	22	276	2.5	84	270
63	759859SO GRID BL 1+60S	SILT/SD B, WELL 20 CM	SILT - CO YEL BRN	60% SILT, 40% SD, MIN PEBS - ANG, SIL BREC FRAGS	GOOD, SW SOM OX BREC BO	60	0.8	221	28	306	2.0	82	240
64	759860SO GRID BL 1+50S, 0+10E	SILT/SD B, WELL 20 CM	SILT - CO RED BLK RED BRW	90% SILT, 10% SD, MIN PEBS - ANG, SIL BREC FRAGS	GOOD, W SOM OX BREC BO	<30	1.2	118	28	248	1.5	66	160
65	759863SO 7+00W OLD RD	CL/SILT SD B, WELL 18 CM	CL - FI GREY BRN	60% CL, 20% SILT, 20% SD MIN PEBS - BLK SEDS	GOOD, S SOM BLK SED BO	30	0.8	78	26	198	1.5	120	150
66	759864SO 6+75W OLD RD	SILT SD B, WELL 14 CM	SILT - FI GREY BRN	60% SILT, 40 SD MIN SED IN HOLE	GOOD, S	10	0.2	47	16	140	0.5	54	90
67	759865SO 6+50W OLD RD	CL/SILT/GRAV B, WELL 16 CM	CL - FI GREY BLK	10% CL, 40% SILT, 40% SD, 10% PEBS - ANG - RDN BLK SEDS	POOR - LOW GRD	15	0.6	59	22	152	0.5	110	130
68	759866SO 6+25W OLD RD	CL/SILT/PEBS B, WELL 16 CM	CL - FI GREY BLK	10% CL, 40% SILT, 40% SD, 10% PEBS - ANG - RDN BLK SEDS	GOOD, S SOM OXID BREC BO & BLK SEDS	30	0.8	75	30	200	1.5	146	150
69	759869SO 6+00W OLD RD	CL/SILT/PEBS STONY B, FAIR 14 CM	CL - PEBS GREY BRN	5% CL, 30% SILT, 30% SD, 30% PEBS - MAINLY BLK SEDS	GOOD, S SOM OXID BREC BO & BLK SEDS	70	0.4	64	22	170	1.5	98	140
70	759870SO 5+75W OLD RD	SILT/SD/PEBS STONY B, WELL 20 CM	SILT - PEBS GREY BRN	20% SILT, 60% SD, 20% PEBS - MAINLY BLK SEDS	GOOD, S SOM OXID BREC BO & BLK SEDS	15	0.6	63	24	160	<0.5	98	130
71	759871SO 5+50W OLD RD	SILT/SD/PEBS STONY B, WELL 20 CM	SILT - PEBS GREY BRN	20% SILT, 60% SD, 20% PEBS - MAINLY BLK SEDS BUT 30% LIM TUFF	GOOD, S SOM OXID BREC BO & BLK SEDS	65	1.0	84	28	180	0.5	150	150
72	759873SO 5+25W OLD RD	SILT/SD/PEBS B, WELL 20 CM	SILT - PEBS GREY BLK	50% SILT, 40% SD, 10% PEBS - MAINLY BLK SEDS	GOOD, S BLK SEDS	20	0.4	51	18	144	0.5	86	110
73	759874SO 5+00W OLD RD	CL/SILT/SD/PEBS STONY B, WELL 20 CM	CL - PEBS GREY BLK	CL 5% SILT, 65%, 20% SD, 10% PEBS - ANG SED & SIL TUFF	GOOD, S BLK SEDS	40	1.0	71	24	166	0.5	140	130
74	759877SO 4+50W OLD RD	SILT/SD/PEBS STONY B, WELL 25 CM	SILT - PEBS ORG BRN	75% SILT, 20% SD, 5% PEBS - ANG SED & SIL TUFF	GOOD, S BLK SEDS & TUFF BO	260	0.6	60	22	120	<0.5	138	90

						AU	AG	CU	PB	ZN	CD	AS	BA
75	759879SO 4+00W OLD RD	SILT/SD/PEBS STONY B, WELL 25 CM	SILT - PEBS ORG BRN	45% SILT, 45% SD, 10% PEBS - GREY BLK CRYST TUFF	GOOD, S TUFF BO	25	1.2	55	14	130	<0.5	150	130
76	759880SO 3+75W OLD RD	SILT/SD/PEBS STONY B, WELL 25 CM	SILT - PEBS ORG BRN YEL BRN GREY BRN	75% SILT, 20% SD, 5% PEBS OX TUFF, BLK SED FRAGS	GOOD, S MAINLY ARG	20	0.2	35	12	84	<0.5	116	100
77	759881SO 3+50W OLD RD	SILT/SD/PEBS STONY B, WELL 25 CM	SILT - PEBS ORG BRN YEL BRN GREY BRN	75% SILT, 20% SD, 5% PEBS OX TUFF, BLK SED FRAGS	GOOD, S MAINLY ARG EDGE SWP - FERNS & FW	10	0.2	44	18	118	<0.5	76	90
78	759882SO 3+25W OLD RD	SILT/SD/PEBS STONY B, WELL 25 CM	SILT - PEBS ORG BRN YEL BRN GREY BRN	30% SILT, 65% SD, 5% PEBS OX TUFF, BLK SED FRAGS	GOOD, S MAINLY ARG EDGE SWP - FERNS & FW	<5	<0.2	41	14	124	<0.5	32	80
79	759883SO 3+00W OLD RD	SILT/SD/PEBS STONY B, WELL 25 CM	SILT - PEBS ORG BRN YEL BRN GREY BRN	30% SILT, 65% SD, 5% PEBS OX TUFF, BLK SED FRAGS	GOOD, S MAINLY ARG EDGE SWP - FERNS & FW	5	0.2	41	14	80	<0.5	68	80
80	759884SO 2+75W OLD RD	SILT/SD/PEBS STONY B, WELL 20 CM	SILT - PEBS ORG BRN YEL BRN GREY BRN	70% SILT, 25% SD, 5% PEBS, ORGS OX TUFF, BLK SED FRAGS 35% OF SAMP IS A-B 65% OXID B	GOOD, S HETRO BO EDGE SWP - FERNS & FW	<5	0.2	34	12	74	<0.5	62	80
81	759885SO 2+50W OLD RD	CL/SILT/SD/PEBS STONY B, WELL 18 CM	CL - PEBS GREY BRN	5% CL, 55% SILT, 35% SD, 5% PEBS > 50% SED, 50% BREC	GOOD, S HETRO BO FOREST	<5	<0.2	47	16	130	<0.5	28	70
82	759886SO 2+25W OLD RD	CL/SILT/SD/PEBS STONY B, WELL 14 CM	CL - PEBS GREY BRN ORG BRN OX AT LOWER LEVEL	5% CL, 55% SILT, 35% SD, 5% PEBS > 50% SED, 50% BREC	GOOD, S HETRO BO FOREST	10	0.4	51	16	112	<0.5	98	120
83	759888SO 1+25S EAST PL RD AT 759887R	CL/SILT/SD/PEBS B, WELL 1 M, BK SAMP	CL - PEBS ORG BRN RED BRN	5% CL, 45% SILT, 40% SD, 5% PEBS > MAINLY OX BREC, TUFF	GOOD, S ABUND OX BREC/ARG BO	65	0.6	236	28	398	2.5	80	190
84	759891SO 1+00S EAST PL RD	CL/SILT/SD/PEBS B, WELL 16 CM	CL - PEBS ORG BRN	5% CL, 70% SILT, 20% SD, 5% PEBS > MAINLY OX BREC, TUFF	GOOD, S OX BREC/ ARG BO	20	0.2	189	18	178	1.5	46	130
85	759892SO 0+75S EAST PL RD	CL/SILT/SD/PEBS B, FAIR 16 CM, ON BDRK	CL - PEBS ORG BRN	5% CL, 70% SILT, 20% SD, 5% PEBS > MAINLY OX BREC, TUFF	GOOD, S	60	0.2	224	20	242	1.0	84	200
86	759893SO 0+55S EAST PL RD	CL/SILT/SD/PEBS B, WELL 25 CM	CL - PEBS ORG BRN	5% CL, 70% SILT, 20% SD, 5% PEBS > MAINLY OX BREC, TUFF	GOOD, N OX BREC BO	40	0.2	239	24	256	1.5	86	210
87	759894SO 0+25S EAST PL RD	CL/SILT/SD/PEBS STONY B, WELL 15 CM	CL - PEBS ORG BRN	5% CL, 45% SILT, 40% SD, 5% PEBS > MAINLY OX BREC, TUFF, ALT SED	GOOD, N ABUND OX BREC BO	55	0.2	299	28	302	1.5	100	260

						AU	AG	CU	PB	ZN	CD	AS	BA
88	759895SO 0+00S EAST PL RD	CL/SILT/SD/PEBS STONY B, WELL 16 CM	CL - PEBS YEL BRN	5% CL, 45% SILT, 40% SD, 5% PEBS > MAINLY OX BREC, TUFF, ALT SED	GOOD, N ABUND OX BREC BO & CRYST TUFF	45	0.2	203	24	256	2.5	60	250
89	759896SO 1+25W HWY 37A	CL/SILT/SD/PEBS B, WELL 20 CM	CL - PEBS YEL BRN BRN	30% CL, 50% SILT, 10% SD, 10% PEBS > MAINLY OX BREC, TUFF	GOOD, W S FLOWING STR AT 1+35 M W OXID TUFF IN SOIL HOLE	20	0.2	144	40	252	2.0	120	260
90	686793SO 1+00W HWY 37A	CL/SILT/SD/PEBS B, WELL 20 CM	CL - PEBS ORG BRN	2% CL, 18% SILT, 75% SD, 5% PEBS > MAINLY OX BREC, TUFF	GOOD, W NO GEOL HEAVY TAGS	10	<0.2	136	34	234	1.0	52	170
91	686792SO 0+75W HWY 37A	CL/SILT/SD/PEBS B, WELL 20 CM	CL - PEBS ORG BRN	10% CL, 60% SILT, 25% SD, 5% PEBS > MAINLY OX BREC, TUFF	GOOD, W NO GEOL HEAVY TAGS	30	0.2	181	38	248	1.0	60	190
92	686791SO 0+50W HWY 37A	CL/SILT/SD/PEBS STONEY B, WELL 10 CM	CL - PEBS ORG BRN	10% CL, 60% SILT, 25% SD, 5% PEBS > MAINLY OX BREC, TUFF	GOOD, W OX TUFF, BREC	25	0.2	152	36	250	1.5	56	170
93	686790SO 0+25W HWY 37A	SILT/SD/PEBS STONEY B, POOR 10 CM	SILT - PEBS ORG BRN	40% SILT, 50% SD, 10% PEBS > MAINLY OX BREC, TUFF	GOOD, W OX TUFF, BREC	20	<0.2	161	34	290	0.5	60	160
94	686788SO 0+25E HWY 37A	CL/SILT/SD/PEBS STONEY B, POOR 16 CM	CL - PEBS ORG BRN GREY	10% CL, 60% SILT, 25% SD, 10% PEBS > QTZ, CAL OX FRAGS TUFF	GOOD, W OX TUFF, BREC IN AREA	20	0.2	144	44	248	1.5	52	200
95	686787SO 0+50E HWY 37A	CL/SILT/SD/PEBS STONEY B, FAIR 14 CM	CL - PEBS YEL BRN	20% CL, 60% SILT, 10% SD, 10% PEBS > SIL TUFF	GOOD, W OX TUFF, BREC IN AREA	30	0.2	216	36	300	3.5	70	280
96	686786SO 0+75 HWY 37A	CL/SILT/SD/PEBS STONEY B, FAIR 14 CM	CL - PEBS YEL BRN	20% CL, 60% SILT, 10% SD, 10% PEBS > SIL TUFF, ARG	GOOD, W OX TUFF, BREC IN AREA	30	<0.2	215	24	306	5.0	86	350
97	686753SO L1+50S, 0+20E	SILT/SD/PEBS STONEY B, WELL 15 CM	SILT - PEBS ORG BRN	50% SILT, 40% SD, 10% PEBS > LIM TUFF BREC	GOOD, W	15	0.6	77	12	150	<0.5	52	130
98	686754SO L1+50S, 0+30E	SILT/SD/PEBS STONEY B, WELL 15 CM	SILT - PEBS ORG BRN	50% SILT, 40% SD, 10% PEBS > LIM TUFF BREC	GOOD, W	25	<0.2	31	6	54	<0.5	18	130
99	686756SO L1+50S, 0+40E	SILT/SD/PEBS STONEY B, WELL 20 CM	SILT - PEBS ORG BRN	45% SILT, 45% SD, 10% PEBS > LIM TUFF BREC	GOOD, W	35	0.6	250	52	278	1.0	86	200
100	686757SO L1+50S, 0+50E	SILT/SD/PEBS STONEY B, WELL 20 CM	SILT - PEBS ORG BRN	45% SILT, 45% SD, 10% PEBS > LIM TUFF BREC	GOOD, W	35	0.2	267	30	316	1.5	90	230
101	686758SO L1+50S, 0+60E	SILT/SD/PEBS STONEY B, WELL 15 CM	SILT - PEBS ORG BRN	45% SILT, 45% SD, 10% PEBS > LIM TUFF BREC	GOOD, W	30	<0.2	234	44	292	1.5	86	210
102	686759SO L1+50S, 0+70E	SILT/SD/PEBS STONEY B, WELL 15 CM	SILT - PEBS ORG BRN	50% SILT, 40% SD, 10% PEBS > LIM TUFF BREC	GOOD, W	30	0.2	228	38	306	2.0	88	210

						AU	AG	CU	PB	ZN	CD	AS	BA
103	686760SO L1+50S, 0+80E	CL/SILT/SD/PEBS STONEY B, WELL 15 CM	CL - PEBS ORG YEL BRN	5% CL, 45% SILT, , 40% SD, 10% PEBS > LIM TUFF BREC	GOOD, W	45	0.4	317	24	294	2.0	112	250
104	686761SO L1+50S, 0+90E	CL/SILT/SD/PEBS STONEY B, WELL 15 CM	CL - PEBS ORG YEL BRN	5% CL, 45% SILT, , 40% SD, 10% PEBS > LIM TUFF BREC	GOOD, W	45	0.2	233	28	270	1.5	98	190
105	686762SO L1+50S, 1+00E	SILT/SD/PEBS STONEY B, WELL 16 CM	SILT - PEBS ORG BRN	60% SILT, 30% SD, 10% PEBS > LIM TUFF BREC	GOOD, N	60	0.2	264	28	268	1.5	98	210
106	686763SO L1+50S, 1+10E	CL/SILT/SD/PEBS STONEY B, WELL 20 CM	CL - PEBS ORG BRN	5% CL, 40% SILT, 45% SD, 10% PEBS > LIM TUFF BREC	GOOD, N	70	0.2	271	24	268	1.5	102	230
107	686764SO L1+50S, 1+20E	CL/SILT/SD STONEY B, WELL 20 CM	CL - MED ORG BRN BRN	5% CL, 60% SILT, 25% SD	GOOD, N	35	0.2	248	24	264	1.5	90	220
108	686776SO 2+25 E OF BL, 10 N AT JUNCT OF OF OLD HWY 37A	SILT/SD B; WELL 20 CM	SILT - FI ORG BRN	80% SILT, 10% SD, 10% PEBS - OX TUFF BREC	GOOD, S	35	<0.2	97	12	152	1.0	34	130
109	686777SO 2+00 E OF BL, 10 N AT JUNCT OF OF OLD HWY 37A	CL/SILT/SD/PEBS B; WELL 20 CM	CL - PEBS GREY BLK	20% CL, 20% SILT, 50% SD HETRO SD - MAINLY ALT, OX BREC	GOOD, S	10	0.2	53	10	136	1.5	16	120
110	686778SO 1+75 E OF BL, 10 N AT JUNCT OF OF OLD HWY 37A	CL/SILT/SD/PEBS B; WELL 20 CM	CL - PEBS GREY BLK	20% CL, 20% SILT, 50% SD HETRO SD - MAINLY ALT, OX BREC	GOOD, S	25	0.2	91	16	140	0.5	36	170
111	686779SO 1+50 E OF BL, 5 N AT JUNCT OF OF OLD HWY 37A	CL/SILT/SD/PEBS B; WELL 50 CM, BK	CL - PEBS ORG BRN	5% CL, 55% SILT, 30% SD, 10% OX FRAGS MAINLY ALT, OXID BREC	GOOD, S	55	<0.2	311	20	288	2.0	122	280
112	686780SO 1+25 E OF BL, 5 N AT JUNCT OF OF OLD HWY 37A	CL/SILT/SD/PEBS B; WELL 50 CM, BK	CL - PEBS ORG BRN	5% CL, 55% SILT, 30% SD, 10% OX FRAGS MAINLY ALT, OXID BREC	GOOD, S	20	0.2	162	24	208	0.5	56	190
113	686781SO 1+00 E OF BL, 10 N AT JUNCT OF OF OLD HWY 37A	CL/SILT/SD/PEBS B; WELL 16 CM	CL - PEBS YEL BRN ORG BRN	40% SILT, 50% SD, 10% PEBS MAINLY ALT, OX BREC	GOOD, S	20	<0.2	131	18	130	0.5	44	100
114	686783SO 0+75 E OF BL, 10N AT JUNCT OF OF OLD HWY 37A	SILT/SD/PEBS B, WELL 20 CM	SILT - PEBS			30	0.8	78	26	198	1.5	120	150

KENNEDY AREA B: HIGHWAY ZONE EXTENSION:

STREAM SEDIMENT SAMPLES:

	SAMPLE NO., LOC, TYPE:	NAME, COLOUR:	DESCRIPTION:	STREAM PERAMATERS:	GEOLOGY: HAZELTON VOL, MAINLY AU AND COMP, OFTEN	SELECTED ANALYSES AU	AG	CU	PB	ZN	CD	AS	BA
1	759925SS TOP MAP 104/A HWY 37 & BITTER CRK; NW BANK, CHECK MATERIAL FOR SURV	SD, BLK	FI GR, MAINLY RD MAFIC VOL (70%); QTZ (15%); OX MAT (6%); FELD (5%); MINOR BIOTITE, SERICITE; NO MAGNETITE	FAST FLOW NW, MAJOR STREAM DRAINING MINERALIZED AREA THAT INCLUDES RED MOUNTAIN FLOWS NE	ALTERED (SIL, CARB, K FELSPAR, LIM)	150	4.8	153	50	206	3.0	132	60
2	759938SS BL 1+50S, 0+30W	SILT, ORG, BLK	SILT, ORG MUCK 50%/50%	LOW BOGGY AREA, LOW FLOW TO SW	ALT BREC	<30	0.8	151	18	398	11.5	72	160
3	759950SS TOP MAP 104/A HWY 37 & BITTER CRK; NW BANK, CHECK MATERIAL FOR SURV	SD, BLK	FI GR, MAINLY RD MAFIC VOL (70%); QTZ (15%); OX MAT (6%); FELD (5%); MINOR BIOTITE, SERICITE; NO MAGNETITE	FAST FLOW NW, MAJOR STREAM DRAINING MINERALIZED AREA THAT INCLUDES RED MOUNTAIN FLOWS NE	ALTERED (SIL, CARB, K FELSPAR, LIM)	120	1.4	119	68	216	2.5	136	60
4	759975SS TOP MAP 104/A HWY 37 & BITTER CRK; NW BANK, CHECK MATERIAL FOR SURV	SD, BLK	FI GR, MAINLY RD MAFIC VOL (70%); QTZ (15%); OX MAT (6%); FELD (5%); MINOR BIOTITE, SERICITE; NO MAGNETITE	FAST FLOW NW, MAJOR STREAM DRAINING MINERALIZED AREA THAT INCLUDES RED MOUNTAIN FLOWS NE	ALTERED (SIL, CARB, K FELSPAR, LIM)	120	2.0	112	78	212	3.0	140	60
5	760000SS TOP MAP 104/A HWY 37 & BITTER CRK; NW BANK, CHECK MATERIAL FOR SURV	SD, BLK	FI GR, MAINLY RD MAFIC VOL (70%); QTZ (15%); OX MAT (6%); FELD (5%); MINOR BIOTITE, SERICITE; NO MAGNETITE	FAST FLOW NW, MAJOR STREAM DRAINING MINERALIZED AREA THAT INCLUDES RED MOUNTAIN FLOWS NE	ALTERED (SIL, CARB, K FELSPAR, LIM)	150	2.0	161	106	304	4.0	184	60
6	759868SS 6+15W, N DITCH HWY ZONE CRK DRAINAGE	CL/SILT GREY BRN	CLAY -SILT	ABUND SED IN DITCH FROM HI ENERGY RUNOFF IN HWY ZONE CRK HETRO BO IN CRK INCL OX TUFF, BREC		65	2.4	107	48	284	2.5	246	230
7	759872SS 5+37W, HWY ZONE CRK 60 N OF OLD RD RT INV Y FORK	CL/SILT/SD GREY BRN	CLAY - CO HETRO SD > 35% QTZ, 35% BLK ARG, 20% OXID MAT INCL LIM, HEM, JAR AL CW FI ASPY, MIN ORGS MIN FUCH	AFTER HI ENERG FLOOD OTHER CHAN AT 5+25W ABUND HETR BO INCL OX BREC, SEMI MASS PY, ALT ARG C/W JAR AL, QTZ CARB MAT, OXID BO OF GRN GREY MATRIX MAT		100	1.6	90	40	220	1.5	186	200
8	759875SS TOP MAP 104/A HWY 37 & BITTER CRK; NW BANK, CHECK MATERIAL FOR SURV	SD, BLK	FI GR, MAINLY RD MAFIC VOL (70%); QTZ (15%); OX MAT (6%); FELD (5%); MINOR BIOTITE, SERICITE; NO MAGNETITE	FAST FLOW NW, MAJOR STREAM DRAINING MINERALIZED AREA THAT INCLUDES RED MOUNTAIN FLOWS NE	ALTERED (SIL, CARB, K FELSPAR, LIM)	685	1.2	173	104	250	2.5	166	60

KENNEDY — AREA B: HIGHWAY ZONE EXTENSION:

ROCK SAMPLES:

	SAMPLE NO, TYPE LOCATION	NAME, COLOUR:	DESCRIPTION:	COMMENTS:	SELECTED ANALYSES AU	AG	CU	PB	ZN	CD	AS	BA
1	759908RS 0+00 ON BL ON OLD HWY	CO, ALT BREC W: ORG BRN FR: PK GREY-GRN WH - SILVER WH	FI APHAN SIL GREY PK MATRIX C/W BX FRAGS TO 8 CM - FRAGS GEN GRN GREY, SIL, C/W BLEB DISSEM & STRING & VN PY/ASPY, VN TO 0.3 CM, FI PY/ASPY IN MATRIX; UP TO 7% SULFS IN FRAGS, 2-3% OVERALL	ROCK IS SUBCROP DERIVED FROM STONEY B-C HORIZ	90	0.6	257	10	124	1.5	2	120
2	759912RS 0+20S ON BL	ALT BREC W: ORG BRN FR: GREY GRN - PK BLK - ORG RD - SIL WH	FI APHAN SIL GREY PK MATRIX C/W BX FRAGS TO 2 CM - FRAGS GEN WH - GRN GREY, SIL, 35% TOT OF ROCK; CO BLEB SULFS IN FRAGS, FI DISSEM SULFS (PY/ASPY) IN MATRIX, SULFS (PY/ASPY) TO 7% IN FRAGS, 3% OVERALL; SOM EARTHY, VUG SECTIONS, C/W LIM, HEM	ROCK IS SUBCROP DERIVED FROM STONEY B-C HORIZ IN SOIL HOLE	<30	0.2	212	2	130	0.5	2	110
3	759913RS 0+20S ON BL	ALT BREC W: ORG BRN YEL BRN, RD BLK-PK GREY F: GRN GREY	FI APHAN SIL GREY PK MATRIX OFTEN WITH INDIC K ALT, C/W BX FRAGS TO 1 CM - FRAGS GEN WH - GRN GREY, SIL, 20% OF RK, FI DISSEM SULFS (PY/ASPY) IN MATRIX, SULFS (PY/ASPY) TO 5% IN FRAGS, 3% OVERALL; STRONG LIM & SOM HEM ON W; OFTEN LIMON FRACS	ROCK IS SUBCROP DERIVED FROM STONEY B-C HORIZ IN SOIL HOLE	<30	<0.2	134	6	110	0.5	10	190
4	759918RS 0+60S ON BL	ALT BREC W: ORG BRN F: GRN GREY	FI APHAN SIL GREY GRN MATRIX C/W BX FRAGS TO 1 CM; SOM SIL STRING & VNS TO 0.5 CM; GEN WH - GRN GREY, SIL, 10% OF RK, C/W BLEBS SULFS, 5-7%, ASPY? FI DISSEM SULFS (PY/ASPY) IN MATRIX, SULF TO 1% - SOM LK LIK PYRR BUT NON MAG - ASPY? OFTEN LIM ON FRACS	ROCK IS SUBCROP DERIVED FROM STONEY B-C HORIZ IN SOIL HOLE	90	0.2	184	2	94	<0.5	<2	100
5	759920RS 0+67S ON BL	CRYST TUFF? W: ORG BRN F: PK GREY SILVER	FI APHAN SIL GREY GRN PK MATRIX C/W BX FRAGS TO 3 CM; GEN < 1 CM, ANG - RONDED, HEM, LIM GEN WH - GRN GREY, SIL, 10% OF RK, C/W BLEBS SULFS, 5-7%, ASPY?	ROCK IS SUBCROP DERIVED FROM STONEY B-C HORIZ	<30	0.2	162	8	104	<0.5	<2	100
6	759922RS 0+80S ON BL	CRYST TUFF? W: ORG BRN RD BRN F: PK GREY BLU GREY	FI APHAN SIL BND MATRIX - 80% GREY WH, 20% PINK GREY C/W C/W CRYSTS 1-3 MM; 5% PY AS FI DISSEM & NARROW ll TO BND, STRINGS; PYR STRING ALSO C/W CPY, UP TO10% LOC WITHIN PY STRINGS; OCC BLEBS CPY	ROCK IS SUBCROP DERIVED FROM STONEY B-C HORIZ	<30	5.4	607	2650	2890	22.5	8	40
7	759923OC 0+81S ON BL	CRYST TUF BREC W: ORG BRN RD BRN F: GRN GREY, SILVER SPECKS	FI APHAN SIL MATRIX - C/W SIL ANG FRAGS TO 0.5 CM; FI DISSEM SILVERY SULFS IN MATRIX & SILVER VN & STRINGS (ASPY) - 10% LOC , GEN 3 - 4%; EARTHY, VUG AREAS NEAR SURF, STRONG LIM, FEW SIL FRACS FILLS; SOM SULF COATINGS ON FRAC SURFS - SOM LATH LIK, WH CRYST - CA.	ROCK IS SUBCROP DERIVED FROM STONEY B-C HORIZ	<30	0.2	238	4	124	<0.5	<2	120

9	759878SS 4+15W EAST INVERTED Y BRANCH OF HWY ZONE	SD GREY BRN	FI HETRO SD > 45% QTZ, 45% BLK ARG, 5% OXID MAT INCL LIM, HEM, JAR AL CW FI ASPY, MIN ORGS MIN FUCH	AFTER HI ENERG FLOOD OTHER CHAN AT 5+25W ABUND HETR BO INCL OX BREC, TUFF, ALT ARG C/W JAR AL, QTZ CARB MAT GEN DISSEM ASPY	AU 20	AG 0.6	CU 66	PB 22	ZN 162	CD 0.5	AS 172	BA 180

					AU	AG	CU	PB	ZN	CD	AS	BA
8	759927RS 1+20S ON BL	CRYST TUFF? W: ORG BRN RD BRN YEL BRN F: GRN GREY,	FI APHAN SIL GRN GREY MATRIX C/W RND CRYSTS TO 0.3 CM, DISSEM, BLEBS STRING SILVERY ASPY, LOC 10%, ALSO SOM DISSEM PY; SULFS 5-20%, AVERAGE 7%	ROCK IS SUBCROP DERIVED FROM STONEY B-C HORIZ	<30	0.2	74	10	68	0.5	<2	120
9	759929RS 1+38S ON BL	CRYST TUFF? W: ORG BRN F: GREY BLK	FI APHAN SIL GRN GREY MATRIX C/W RND CRYSTS TO 0.3 CM, DISSEM, BLEBS STRING SILVERY ASPY, LOC 10%, AVERG 7%	ROCK IS SUBCROP DERIVED FROM STONEY B-C HORIZ	<30	0.6	126	<2	90	<0.5	<2	110
10	759932RS 1+50S ON BL	CRYST TUFF? W: ORG BRN YEL BRN F: GREY GRN	FI APHAN SIL GRN GREY MATRIX C/W ANG FRAGS TO 5 CM, WELL LIM, SOM VUG, CARB & SOM JAR AL 3-4% FI DISSEM SULFS, MOSTLY PY, POS SOM ASPY; MATRIX SOM PK COL - K ALT?	ROCK IS SUBCROP DERIVED FROM STONEY B-C HORIZ	<30	<0.2	138	6	102	1.0	<2	150
11	759935RS 1+50S, 0+22W	ALT BREC W: ORG BRN RD BRN F: DK GREY, PK GREY	FI APHAN SIL GRN GREY MATRIX C/W 20% GRN GREY FRAGS TO 6 CM SOM PINK SECTIONS - K ALT? SULFS 2-3%, OVERALL, FRAC SURFS UP TO 20%; SILVERY WH ASPY, MIN QTZ CARB C/W SOM SULFS	ROCK IS SUBCROP DERIVED FROM STONEY B-C HORIZ	<30	<0.2	204	2	76	<0.5	<2	140
12	759936RS 1+50S, 0+25W	ALT BREC W: ORG BRN F: DK GRN	FI APHAN SIL GRN MATRIX C/W 70% CO ANG YEL GRN FRAGS, SOM PINK SECTIONS - K ALT? SULFS 3-5%, OVERALL, LOC SURFS UP TO 10%; SILVERY WH ASPY	ROCK IS SUBCROP DERIVED FROM STONEY B-C HORIZ	<30	0.6	183	<2	146	1.0	<2	150
13	759940RS 0+10E, OLD HWY	ALT CRYST TUFF W: ORG BRN F: GREY BLK - GRN GREY - WH	FI APHAN SIL GRN GREY MATRIX , 40% CRYST TO 1 CM, MAINLY WH QTZ, BOTH ANG & SUBRND; SOM ELONG C/W CARB CRYST; SOM VN GRN SIL, 25% SULFS LOC - AS DISSEM, BLEBS, PATCHES, STRING - PY, SILVER ASPY, TR CPY, BORN, BLKJK	ROCK IS SUBCROP	<30	<0.2	197	2	120	0.5	<2	140
14	759942RS 0+24E, OLD HWY	ALT BREC W: ORG BRN F: GREY BLK - GRN GREY - WH	FI APHAN SIL GRN GREY MATRIX , 20% FRAGS TO 2 CM, MAINLY WH QTZ, WH QTZ VNS TO 2 CM; SILVER SULF, FI DISSEM IN MATRIX, 5-7% ON FRAC SURFS; SOM AREAS 20% CHL; SURF & FRACS LIM, SOM HEM	ANG LARG FLT BLOCK ROLL DWN TO DITCH - 1.5 X 1.5 X 0.5 CM BLOCK	<30	<0.2	146	2	92	0.5	2	120
15	759946RF 2+60E COMP SAMP FROM GRAV BK E OF OLD HWY, ON NEW HWY	1. CRYST TUFF W: YEL ORG BRN F: BLK - GRN GREY - WH 2. BREC W: YEL ORG BRN BLU GRN GREY	FI APHAN SIL GRN GREY MATRIX , 15% FRAGS TO 0.5 CM, MAINLY WH QTZ, WH CARB QTZ VNS C/W SILVER ASPY, UP TO 20% ON FRAC SURFS, ABOUT 5% FI DISSEM SULFS OVERALL FI APHAN SIL GRN GREY MATRIX (70%), C/W 20% ORG OXID FRAGS TO 3 CM; WH VUG QTZ CARB VNS LIM, TO 1 CM, FI DISSEM SILVER SULF, 5% OVERALL	LIM BO IN GRAVEL BANK	30	0.2	212	12	154	<0.5	6	60
16	759947RF 2+70E COMP SAMP FROM GRAV BK E OF OLD HWY, ON NEW HWY	ALT TUFF W: ORG BRN F: PK GREY - GRN WH	FI APHAN SIL GRN GREY - PK BLK MATRIX, 30% CRYST TO 1 CM, WH QTZ VNS TO 0.5 CM; BLEBBY SULF, 5-7% LOCALLY, 2-3% DISSEM PY, TR CPY	ANG LARG FLT BLOCK ROLL DWN TO DITCH - 1.5 X 1.5 X 0.5 CM BLOCK	<5	<0.2	243	18	104	<0.5	2	90

			GRN... NON CARB; SOM SIL PATCHES, VN TO 0.5 CM WITH CO BLEBS PY									
33	759876RF 4+75W OLD RD COMP BO SAMP FROM BULL DOZED SPOT	OX CRYST TUFF W: ORG BRN F: PK GREY GRN WH	FI APHAN SIL PK GREY GRN GREY MATRIX, SUG , PORPH TEXT 20 %GRN GREY PHENOS TO 1 CM; 5-7% DISSEM SILVER SULFS - ASPY? LIM ON SURF & FRACTS; SOM BLK SIL BNDS C/W CO PATCH SULFS	COMP SAMP - LIM, TUFF BO	<5	0.8	25	116	180	0.5	40	30
		PK BLK	VN C/W BLADED QTZ CRYST, ... SURFS & W SURFS WELL LIM; SOM BLK MN STAIN									
20	759961RS 1+15W, 0+10S OLD HWY	OX TUFF BREC W: ORG BRN GREY BLK F: GREY GRN PK BLK	FI APHAN SIL GREY BLK PK MATRIX, C/W 20% GRN TO WH SIL PHENOS RND TO SUBRND, SOM C/W SULF RIM; SOM SULF FRACS; PROM QTZ VN C/W BLEBBY SULFS - LOC LOC 5-7% PY, ASPY; OVERALL 2-3% SULFS; NO CARB	HETRO BO	85	0.6	311	16	104	0.5	16	70
21	759963RS 1+50W, 0+10S OLD HWY	OX TUFF BREC W: ORG BRN - BUFF BRN - YEL WH F: GREY GRN PK BLK	FI APHAN SIL GREY PK MATRIX, C/W 30% GRN TO WH SIL PHENOS RND TO SUBRND TO ANG - TO 2 CM; DISSEM PY, ASPY LOC 5-7%; SOM SIL VN SYS TO 4 CM, INCL VNS TO 1 CM, BREC FRAGS; SULFS GEN 2-3%; TO 7% IN VN SYS	ALT TUFF BREC	<5	0.2	107	6	44	<0.5	8	250
22	759968RS 0+50S, 0+20E OLD HWY	OX TUFF BREC W: ORG BRN - ORG RD F: GREY GRN ORG BRN	FI APHAN SIL GREY PK MATRIX, C/W 60% GRN TO WH SIL PHENOS RND TO SUBRND TO ANG - TO 1 CM; DISSEM PY, ASPY AS BLEBS IN FRAGS, FI SULFS IN MATRIX - 2-3% OVERALL	ALT TUFF BREC	20	1.6	262	4	82	<0.5	8	50
23	759983RS 0+50S, 0+20W	OX CRYST TUFF W: ORG BRN - GRY BLK F: GREY GRN PK BLK - SILVER	FI APHAN SIL GREY PK MATRIX, C/W 20% GRN TO WH SIL PHENOS RND TO SUBRND TO ANG - MM SCALE; PK K ALT; FI DISSEM ASPY, 3-5% DISSEM PY, TR CPY; QTZ CARB STRINGS C/W 3-5% SULFS; 3-5% SULFS OVERALL	ALT CRYST TUFF	20	1.4	184	8	208	<0.5	4	180
24	759985RS 0+50S, 0+30W	OX CRYST TUFF W: ORG BRN - GRY BLK F: GREY GRN PK BLK - SILVER	FI APHAN SIL GREY PK MATRIX, SUG, PORPH TEX C/W 20% GRN TO WH SIL PHENOS RND TO SUBRND TO ANG - MM SCALE; PK K ALT; FI DISSEM ASPY, 5-7% DISSEM PY, TR CPY; QTZ CARB ANOMOST STRINGS TO O.25 CM, LATH LIKE CARB CRYST <1%	ALT CRYST TUFF BO & LARG GRAN BEAR CAVE BLOCK	20	<0.2	222	22	126	<0.5	10	50
25	759987RS 0+50S, 0+40W	OX BREC W: ORG BRN - GRY BLK F: GRN BLK	FI APHAN SIL GREY PK MATRIX, SUG TEXT; PK QTZ VN TO 0.75 CM; SRONG LIM - WH GREY QTZ VN TO 0.5 CM C/W SULFS AS LENS, DISSEM - 3-5% PY, ASPY OVERALL; HEM ON FRACS, VUGS SECT C/S SOM EUH QTZ; PART OF LARGE BREC FRAG??	ALT CRYST TUFF BRECC?	<5	<0.2	103	14	52	<0.5	10	50

					AU	AG	CU	PB	ZN	CD	AS	BA
26	759989RS 0+50S, 0+52W	OX BREC W: ORG BRN - GRY WH F: GRN BLK GREY WH - PK WH	FI APHAN SIL GREY PK MATRIX, SUG TEXT; GRN WH FRAGS TO 2 CM, QTZ CARB VN TO 3 CM; SULFS, MAINLY PY OFTEN RIM FRAGS, GASH VNS IN MATRIX MASS PY WITH YEL GRN GLOW, TO 1 CM; 5-6 CM LENS SEMI MAS PY, ASPY, SOM SULFS AS COATINGS, PATCHES, LENS TO 2 CM; LOC UP TO 40% SULFS, SOM STRING, VN QTZ CARB C/W BLEBBLY PY, FORM STWK; SOM FI SILVER GREY SULF - ASYP? - OFTEN GRN TARNISH - CPY? 3-5% SULFS OVERALL	ALT CRYST TUFF BRECC?	35	1.4	490	30	764	7.5	8	70
27	759994RS 0+50S, 0+90W	OX CRYST TUFF W: ORG BRN - BLK F: ORG BRN GRN BLK	FI APHAN SIL GREY GRN MATRIX, SUG TEXT; GRN WH PHENOS TO 0.3 CM, SOM NET TEXT SULFS SUR CRYSTS; GEN 2-3% SULFS - ASAP? AS FI DISSEM, HIGHER ON FRAC SURFS - TO 30%, INCL SOM CPY; LATH LIK GRN HORN? CRYSTS TO 0.75 CM; NO CARB	ALT CRYST TUFF BO	<5	<0.2	139	6	98	0.5	6	440
28	759999RS 0+25S, 0+30W	OX CRYST TUFF W: ORG BRN - RD BRN F: GRN GREY PK BLK SILVER	FI APHAN SIL PK BLK MATRIX, SUG PORPH TEXT; GRN GREY PHENOS TO 4 CM; GRN GREY SIL STRING & SULF STRING TO 2 CM FORM STWK; 3-5% DISSEM SILVER SULF IN MATRIX, LARG FRAGS C/W BLEB SULFS TO 8-10%; FRAC SURFS C/W WIL SIL & 20-30% SILVER GREY SULF - COATINGS, BLEBS; TR CPY & SOM GREY MET HEM	ALT CRYST TUFF BO	30	0.2	270	16	108	<0.5	6	110
29	759856RS 0+25S, 0+80W	OX CRYST TUFF W: ORG BRN - RD BRN F: PK GREY GRN WH RD BRN	FI APHAN SIL PK GREY GRN GREY MATRIX, SUG , PORPH TEXT 20 %GRN GREY PHENOS; QTZ CARB VN TO 1 CM, C/W BEBBLY GREY BLK SULF - SILVER ON BROK SURF, 2-3% DISSEM SILVER SULF IN MATRIX, NO CARB IN MATRIX; TR CPY	ALT CRYST TUFF BO	15	1.6	149	4	106	<0.5	8	280
30	759861C CANMET CHECK CH3				995	2.8	8220	18	144	0.5	150	<10
31	759862C CANMET CHECK WGM1				55	2.6	6120	20	78	0.5	14	<10
32	759867RF 6+25W OLD RD COMP BO SAMP	OX CRYST TUFF W: ORG BRN - F: PK GREY BLK - ORG BRN TO SIL	FI APHAN SIL PK GREY GRN GREY MATRIX, SUG , PORPH TEXT 10 %GRN GREY PHENOS TO 1.5 CM; 5-7% DISSEM SILVER SULFS - ASPY? SOM BLK SULF - SPHAL? SOM FI GRN CPY; NON CARB; SOM SIL PATCHES, VN TO 0.5 CM WITH CO BLEBS PY	COMP SAMP - LIM, TUFF BO	<5	<0.2	22	20	62	<0.5	18	10
33	759876RF 4+75W OLD RD COMP BO SAMP FROM BULL DOZED SPOT	OX CRYST TUFF W: ORG BRN F: PK GREY GRN WH	FI APHAN SIL PK GREY GRN GREY MATRIX, SUG , PORPH TEXT 20 %GRN GREY PHENOS TO 1 CM; 5-7% DISSEM SILVER SULFS - ASPY? LIM ON SURF & FRACTS; SOM BLK SIL BNDS C/W CO PATCH SULFS	COMP SAMP - LIM, TUFF BO	<5	0.8	25	116	180	0.5	40	30

					AU	AG	CU	PB	ZN	CD	AS	BA
34	759887RS COMP SAMP 1+25S ON E PL ROAD COMP SAMP FROM 4 BO	OX CRYST TUFF/ BREC W: ORG BRN BLK BRN F: PK GREY DK GREY TO CREAM BRN SILVER	FI APHAN SIL PK GREY GRN GREY MATRIX, SUG , PORPH TEXT 20 %GRN GREY CRYSTALS TO 1 CM; BREC FRAGS TO 3 CM; SULFS AS FI DISSEM IN MATRIX, FRAGS ALL VARIETIES - MAINLY ASPY SOM HYDR BREC - 2 CM GREY QTZ FRAGS C/W NET TEXT SULF RIMS; SOM FRACTS SURFS C/W ASPY COATINGS & SOM HEM, PY, CPY; SOM PY CPY PATCHES IN MATRIX TO 2 CM; SULFS MAINLY ASPY 3-5%; LOC 10%	COMP SAMP - LIM, TUFF BO	30	0.4	208	18	266	3.5	8	90
35	759889RS 1+12.5S ON E PL ROAD	ALT ARG W: ORG BRN BLK BRN F: GREY BLK SIL WH	FI APHAN BLK ARG, WELL FR, LIM, JAR AL ON FRAC, VITREOUS CLEAR COATINGS ON FRAC SURFS - NOT CARB - BARITE? 1-2% FI DISSEM ASPY; SOM AREAS VUG, EARTHY - CONCLUDE MOST SULFS OXID 70% BLK ARG; 20% OX LIM; 10% BAR COATINGS	FIRST SAMP TAKEN OF ALT ARG	<5	0.8	106	10	34	<0.5	18	190
36	759890RS 1+12.5S ON E PL ROAD	ALT CRYST TUFF W: ORG BRN PURP BRN F: GREY GRN, CREAM BRN	FI APHAN SIL PK GREY GRN GREY MATRIX, SUG , PORPH TEXT 10 %GRN GREY CRYSTALS TO 1.5 CM; GREY SUG QTZ STRING, GASH VN, LENSES; SULFS 2-3% DISSEM ASPY; CO BLEBS & LENSES OF CPY C/W PY TO 1 CM; FR SURFS C/W PY & CPY TO 7-8%		25	0.6	400	14	108	<0.5	8	70
37	686794RS 1+25 W HWY 37A	ALT CRYST TUFF W: ORG BRN PINK BRN F: PK GREY WH, ORG BRN TO WH	FI APHAN SIL PK GREY GRN GREY MATRIX, SUG , PORPH TEXT 20% GRN GREY CRYSTALS TO 2 CM; CO LENSES & STRING OF BLK MET SPHAL? SOOTY PY ON CRYST SURFS, TR CPY; 30% SULFS LOC, 5-7% OVERALL	NEAR CRK TO W NO SURF GEOL	<5	0.2	134	16	50	<0.5	14	140
38	686789RS 0+25 W HWY 37A	ALT CRYST TUFF W: ORG BRN BLK F: GRN GREY WH	FI APHAN SIL PK GREY GRN GREY MATRIX, SUG , PORPH TEXT 20% GRN GREY CRYSTALS TO 2 CM; WELL CARB; WELL LIM, MN ON FRAC SURFS C/W VUG QTZ CRYST; FI DISSEM ASPY IN MATRIX 5-7%; SOM NET TEXT SULFS, SOM SIL ANG FRAGS TO 4 CM, MIN BLK SPHAL, CPY PATCHES	NEAR BL EXPOS OF OX BREC & TUFF	<5	<0.2	118	10	144	<0.5	10	250
39	686755RF L1+50S 0+30W	ALT TUFF BREC W: ORG BRN F: WH GREY BLK	WELL CARB - WH CARB COATS EVERYTHING 60-70% WH QTZ CRYST MM TO 0.5 M GEN ELONGF; SULFS AS COATINGS, LENS, DISSEM TO MASS PY; DISSEM CPY, CHALOCITE?; LOC 15% OVERALL 5-7% TR CPY; BLK APHAN MATRIX FORMS RIMS - SOM WELL DEVEL NET TEXT SOM PY LENS HAV CPY, WELL FR INCL PY & ASPY SURFS		55	17.6	192	22	170	<0.5	52	240
40	686751RF HWY ZONE CRK 5+35W, 35 M N OLD HWY	BND QTZ SULF VN W: ORG BRN RED BRN F: GRY WH BRASSY RESIN	SUB RND BO IN CRK 50% SULF - 30% PY, 14% SPHAL, 10%ASPY, 1% CPY, AS BNDS SULF & QTZ	CRK BO AFTER FLOOD	33.22g/t	5894.9g/t	1.42%	4570	1.19%	153.5	>1000	10

No.	Sample / Location	Rock / Colour	Description	Comments	AU	AG	CU	PB	ZN	CD	AS	BA
41	686752RF HWY ZONE CRK 5+35W, 35 M N OLD HWY	QTZ VM MAT W: ORG BRN RED BRN F: WH, BRASS, SILVER	WH, ORG QV, C/W 5-7% ASPY, 2-3% PY, <1% PY ASPY AS STRING, PATCHES, BLEBS	CRK BO AFTER FLOOD	9.93g/t	41.2	251	166	404	4.0	>10000	10
42	686782RF GRID 10N 1+00E N OLD HWY	ALT TUFF BREC W: ORG BRN F: GRN GREY	WELL CARB, WELL FR, LIM, HEM QTZ CARB VN TO 10 MM, MIN STWK; WH SIL FRAGS TO 2.5 CM; SOM C/W RIMS OX MAT, BLEB PY NET TEXT; 2-3% DISSEM PY; SIL, APHAN MATRIX, LOC VUG 2-3% DISSEM PY; <1% ASPY, <1% CPY; SOM BLK MET - CHALOCITE? TETRA?		110	2.6	327	8	140	0.5	530	40
43	686784 CK CH3				1340	2.2	7640	<2	132	3.0	146	<10

KENNEDY — AREA C: OLD HWY WEST RECON/FOLLOW-UP

a: STREAM SEDIMENT SAMPLES:

	SAMPLE NO., LOC, TYPE:	NAME, COLOUR:	DESCRIPTION:	STREAM PERAMATERS:	GEOLOGY:	SELECTED ANALYSES AU	AG	CU	PB	ZN	CD	AS	BA
1	759974SS GRID 17+75W ON OLD HWY AT WASHOUT	SD/GRAV BRN	HETRO SD/GRAV, FI-PEBS ANG-SUBRND, BLK SED OXID MAT, GRN QTZ, WH GRN QTZ, WH GREY QTZ, HEM QTZ	SMALL CRK FLOWS S, FU OF '99 SAMP 160229SS CRK FLOWS S	HETRO BO - MAINLY BLK SED	<30	0.6	143	26	296	2.0	96	240
2	759977SS GRID 16+75W ON OLD HWY	SILT/SD/PEBS BRN	SILT/HETRO SD, FI-PEBS 20 % SILT/ 70% SD, 10 PEBS HETRO PEBS - MAINLY BLK SED SOM LIM	SMALL CRK FLOWS BESIDE RD, BUT TURNS 138 D	HETRO BO - MAINLY BLK SED	<30	0.8	121	28	294	2.0	84	240
3	759978SS GRID 15+50W ON OLD HWY	SD/PEBS GREY BLK	SD FROM BLK SED - ARG, 40% BLK ANG SED FRAGS, 60% FI - MED FRAC - BKL SED, MIN WH QTZ, OX LIM MAT	SMALL DRY CRK FLOWS 138 D	HETRO BO - MAINLY BLK SED	<30	<0.2	68	10	136	0.5	42	550
4	759979SS GRID 7+15W HWY ZONE CRK	SD/GRAV GREY BRN	HETRO SD/GRAV 25% CO PEBS - MAINLY GREY VOL, WH QTZ, MIN SED; FI - MED FRAC 75% - SAM COMP; MIN ORGS	HWY ZONE CRK AT VERY BOTTOM -CRK FLOWS INTO SINK HOLE	HETRO BO IN CREEK; OC 35 M TO N OF RD, CRYST TUFF, CHL, FEW SULFS	150	2.0	83	36	226	2.0	164	190
5	759980SS GRID 7+15W HWY ZONE CRK 28 M UPSTR FR 759979SS	SD/GRAV ORG BRN BLK	HETRO SD/GRAV 60% CO PEBS - MAINLY GREY VOL, WH QTZ, MIN SED; FI - MED FRAC 25% - SAM COMP; MIN ORGS	HWY ZONE CRK FLOW 65 D	HETRO BO IN CREEK; OC 35 M TO N OF RD, CRYST TUFF, CHL, FEW SULFS	60	2.0	88	36	240	2.5	190	210

KENNEDY

AREA C: OLD HWY WEST RECON/FOLLOW-UP

b: ROCK SAMPLES

	SAMPLE NO, TYPE LOCATION	NAME, COLOUR:	DESCRIPTION:	COMMENTS:	SELECTED ANALYSES AU	AG	CU	PB	ZN	CD	AS	BA
1	759976RF GRID 17+75W OLD HWY	ALT TUFF W: ORG BRN F: PK GREY - GREY WH	FI - APHAN, SUG, PORPH TEXT, TO 1CM ANG/SUB RDN PHENOS, ABOUT 18%, GREN WH; FI DISSEM SULFS, MAINLY PY, 1-2%; WELL CARB - 2-3%, SIL MA TRIX; SOM PK K ALT	ANG FL BO ON RD AT WASH OUT HETRO BO WITH BLK SED MAIN COMPONENT	<5	0.8	54	12	78	4.0	1	60

APPENDIX B

CERTIFICATES OF ANALYSIS

POLY PROPERTY

ALS Chemex

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Analytical Chemists * Geochemists * Registered Assayers
212 Brooksbank Ave., North Vancouver
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To: KENNEDY, DAVID **

5596 NUTHATCH PL.
NORTH VANCOUVER, BC
V7R 4R8

Project: POLY
Comments: ATTN: D. KENNEDY CC: GEOFINE FAX# D. MOLLOY

Certificate Date: 07-AUG-2000
Invoice No. : I0024753
P.O. Number : GEOFINE
Account : SFG

CERTIFICATE OF ANALYSIS A0024753

SAMPLE	PREP CODE		Au g/t	Ag ppm	Al %	As ppm	B ppm	Ba ppm	Be ppm	Bi ppm	Ca %	Cd ppm	Co ppm	Cr ppm	Cu ppm	Fe %	Ga ppm	Hg ppm	K %	La ppm	Mg %
759901	201	202	0.09	3.6	1.60	134	< 10	60	< 0.5	8	3.06	4.5	30	29	136	5.19	< 10	< 1	0.11	< 10	1.28
759902	201	202	0.03	0.8	2.52	108	< 10	150	< 0.5	< 2	1.62	1.5	16	35	101	3.52	< 10	< 1	0.59	< 10	0.93
759903	201	202	< 0.03	0.8	2.60	116	< 10	150	< 0.5	4	1.60	1.5	17	35	110	3.66	< 10	< 1	0.59	< 10	0.97
759904	201	202	0.03	0.8	2.46	122	< 10	140	< 0.5	< 2	2.04	1.5	16	33	105	3.34	< 10	< 1	0.57	< 10	0.91
759905	201	202	< 0.03	0.8	2.55	108	< 10	150	< 0.5	< 2	1.75	1.5	16	34	102	3.50	< 10	< 1	0.58	< 10	0.93
759906	201	202	0.03	0.8	2.60	122	< 10	150	< 0.5	8	1.43	1.5	16	34	108	3.58	< 10	< 1	0.57	< 10	0.97
759925	201	202	0.15	4.6	1.58	132	< 10	60	< 0.5	12	2.88	3.0	27	28	153	5.03	< 10	< 1	0.10	< 10	1.26
759938	201	202	< 0.03	0.8	2.08	72	< 10	160	< 0.5	6	1.39	11.5	21	15	151	6.56	< 10	< 1	0.32	< 10	0.72

CERTIFICATION:

ALS Chemex
Aurora Laboratory Services Ltd.
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PHONE: 604-984-0221 FAX: 604-984-0218

To: KENNEDY, DAVID **

5596 NUTHATCH PL.
NORTH VANCOUVER, BC
V7R 4R8

Project : POLY
Comments: ATTN: D. KENNEDY CC: GEOFINE FAX# D. MOLLOY

Certificate Date: 07-AUG-2000
Invoice No. : I0024753
P.O. Number : GEOFINE
Account : SFG

CERTIFICATE OF ANALYSIS A0024753

SAMPLE	PREP CODE		Mn ppm	Mo ppm	Na %	Ni ppm	P ppm	Pb ppm	S %	Sb ppm	Sc ppm	Sr ppm	Ti %	Tl ppm	U ppm	V ppm	W ppm	Zn ppm
759901	201	202	780	8	< 0.01	67	1070	68	2.46	4	3	137	0.03	< 10	< 10	47	< 10	276
759902	201	202	665	3	0.11	35	1160	36	0.27	2	5	103	0.10	< 10	< 10	70	< 10	162
759903	201	202	720	3	0.11	38	1230	34	0.27	< 2	5	107	0.10	< 10	< 10	71	< 10	154
759904	201	202	650	5	0.11	37	1240	34	0.29	< 2	5	117	0.10	< 10	< 10	66	< 10	132
759905	201	202	670	4	0.12	38	1220	28	0.24	10	5	110	0.10	< 10	< 10	70	< 10	140
759906	201	202	715	2	0.11	39	1220	30	0.24	4	5	102	0.10	< 10	< 10	71	< 10	142
759925	201	202	735	5	0.01	63	1100	50	2.46	14	3	131	0.03	< 10	< 10	45	< 10	206
759938	201	202	795	8	0.03	31	2440	18	1.07	6	5	54	0.08	< 10	30	83	< 10	398

CERTIFICATION:

ALS Chemex
Aurora Laboratory Services Ltd.
Analytical Chemists * Geochemists * Registered Assayers
212 Brooksbank Ave., North Vancouver
British Columbia, Canada V7J 2C1
PHONE: 604-984-0221 FAX: 604-984-0218

To: KENNEDY, DAVID **

5596 NUTHATCH PL.
NORTH VANCOUVER, BC
V7R 4R8

Project : POLY
Comments: ATTN: D. KENNEDY CC: GEOFINE FAX# D. MOLLOY

Certificate Date: 07-AUG-2000
Invoice No. : I0024764
P.O. Number : GEOFINE P.
Account : SFG

CERTIFICATE OF ANALYSIS A0024764

SAMPLE	PREP CODE		Au g/t	Ag ppm	Al %	As ppm	B ppm	Ba ppm	Be ppm	Bi ppm	Ca %	Cd ppm	Co ppm	Cr ppm	Cu ppm	Fe %	Ga ppm	Hg ppm	K %	La ppm	Mg %
759907	201	202	< 0.03	0.2	3.45	42	< 10	170	0.5	2	0.38	1.0	27	39	152	5.12	< 10	< 1	0.50	< 10	1.44
759909	201	202	< 0.03	< 0.2	2.11	18	10	90	0.5	< 2	0.24	0.5	15	57	42	3.68	< 10	< 1	0.09	< 10	1.11
759910	201	202	0.03	0.4	4.63	62	10	260	0.5	8	0.51	0.5	40	26	249	6.39	10	< 1	0.86	< 10	1.82
759911	201	202	0.06	0.2	3.69	50	10	240	0.5	6	0.49	1.0	35	32	237	5.88	< 10	< 1	0.67	< 10	1.64
759914	201	202	0.06	0.4	4.27	60	< 10	220	0.5	2	0.45	1.0	34	27	222	6.07	10	< 1	0.75	< 10	1.70
759915	201	202	0.03	0.4	3.82	52	10	190	0.5	< 2	0.38	1.0	28	29	176	5.52	< 10	< 1	0.65	< 10	1.50
759916	201	202	0.03	0.6	4.19	58	< 10	230	0.5	< 2	0.46	0.5	33	28	207	5.89	< 10	< 1	0.77	< 10	1.69
759917	201	202	< 0.03	0.4	3.69	54	< 10	200	0.5	< 2	0.40	1.0	30	30	173	5.40	< 10	< 1	0.65	< 10	1.51
759919	201	202	0.03	0.4	4.34	64	< 10	250	0.5	< 2	0.46	1.0	33	31	197	5.98	10	< 1	0.76	< 10	1.73
759921	201	202	0.03	0.6	4.75	64	< 10	240	0.5	< 2	0.49	1.5	33	27	208	6.13	10	< 1	0.77	< 10	1.76
759924	201	202	0.03	0.6	3.11	54	10	200	0.5	< 2	0.46	1.5	25	21	149	5.16	< 10	< 1	0.45	< 10	1.24
759926	201	202	< 0.03	0.6	2.82	12	< 10	120	< 0.5	< 2	0.30	1.0	16	34	64	5.19	10	< 1	0.59	< 10	1.09
759928	201	202	< 0.03	0.6	3.22	58	< 10	230	0.5	< 2	0.65	2.0	28	19	185	5.34	< 10	< 1	0.67	< 10	1.41
759930	201	202	0.03	0.6	3.77	92	< 10	270	0.5	< 2	0.55	2.5	31	19	235	6.16	10	< 1	0.85	< 10	1.65
759931	201	202	0.39	0.6	3.40	66	< 10	200	0.5	< 2	0.48	1.0	27	20	197	5.41	< 10	< 1	0.73	< 10	1.45
759933	201	202	< 0.03	0.6	3.39	66	< 10	210	0.5	< 2	0.59	2.5	29	19	187	5.32	< 10	< 1	0.70	< 10	1.44
759937	201	202	0.06	0.6	3.72	74	< 10	230	0.5	< 2	0.56	1.5	30	21	219	5.85	< 10	< 1	0.84	< 10	1.63
759939	201	202	0.06	0.2	3.52	40	10	180	0.5	< 2	0.42	1.0	29	36	158	5.11	< 10	< 1	0.52	< 10	1.45
759941	201	202	< 0.03	0.2	2.93	36	< 10	130	0.5	2	0.39	1.0	24	32	121	4.37	< 10	< 1	0.41	< 10	1.15
759943	201	202	< 0.03	0.2	2.08	22	< 10	80	0.5	< 2	0.32	0.5	15	38	58	3.49	< 10	< 1	0.19	< 10	0.93
759944	201	202	< 0.03	0.2	2.08	18	< 10	90	0.5	< 2	0.22	0.5	17	56	44	3.67	< 10	< 1	0.10	< 10	1.07
759945	201	202	< 0.03	0.2	2.17	18	< 10	80	0.5	< 2	0.24	0.5	18	61	44	3.73	< 10	< 1	0.09	< 10	1.12

CERTIFICATION:

ALS Chemex

Aurora Laboratory Services Ltd.
Analytical Chemists * Geochemists * Registered Assayers
212 Brooksbank Ave., North Vancouver
British Columbia, Canada V7J 2C1
PHONE: 604-984-0221 FAX: 604-984-0218

To: KENNEDY, DAVID **

5596 NUTHATCH PL.
NORTH VANCOUVER, BC
V7R 4R8

Project : POLY
Comments: ATTN: D. KENNEDY CC: GEOFINE FAX # D. MOLLOY

Certificate Date: 08-AUG-2000
Invoice No. :I0024767
P.O. Number :GEOFINE P
Account :SFG

CERTIFICATE OF ANALYSIS A0024767

SAMPLE	PREP CODE		Au g/t	Ag ppm	Al %	As ppm	B ppm	Ba ppm	Be ppm	Bi ppm	Ca %	Cd ppm	Co ppm	Cr ppm	Cu ppm	Fe %	Ga ppm	Hg ppm	K %	La ppm	Mg %
759908	205	226	0.09	0.6	4.11	2	< 10	120	0.5	10	2.20	1.5	26	22	257	5.29	10	< 1	1.13	< 10	1.47
759912	205	226	< 0.03	0.2	4.75	2	< 10	110	0.5	6	2.50	0.5	26	29	212	4.71	10	< 1	0.80	< 10	1.27
759913	205	226	< 0.03	< 0.2	2.86	10	< 10	190	< 0.5	< 2	1.06	0.5	19	19	134	4.40	10	< 1	1.33	< 10	1.49
759918	205	226	0.09	0.2	1.49	< 2	< 10	100	< 0.5	10	1.57	< 0.5	22	18	184	3.82	< 10	< 1	0.61	< 10	1.02
759920	205	226	< 0.03	0.2	1.72	< 2	< 10	100	< 0.5	< 2	1.05	< 0.5	23	18	162	4.03	< 10	< 1	0.66	< 10	1.04
759922	205	226	< 0.03	5.4	5.25	8	< 10	40	2.0	< 2	2.22	22.5	47	25	607	6.18	10	< 1	1.28	< 10	1.30
759923	205	226	< 0.03	0.2	2.44	< 2	< 10	120	< 0.5	< 2	1.10	< 0.5	25	20	238	4.79	10	< 1	1.19	< 10	1.10
759927	205	226	< 0.03	0.2	3.23	< 2	< 10	120	< 0.5	< 2	1.31	0.5	9	52	74	3.97	10	< 1	1.35	< 10	1.23
759929	205	226	< 0.03	0.6	2.49	< 2	< 10	110	< 0.5	< 2	0.74	< 0.5	9	38	126	4.39	10	< 1	1.27	< 10	1.35
759932	205	226	< 0.03	< 0.2	3.66	< 2	< 10	150	< 0.5	< 2	1.55	1.0	21	19	138	4.71	10	< 1	2.11	< 10	1.89
759934	205	226	< 0.03	0.2	3.52	48	< 10	270	< 0.5	< 2	0.72	1.0	22	50	138	4.88	10	< 1	1.28	< 10	1.52
759935	205	226	0.03	< 0.2	3.39	< 2	< 10	140	< 0.5	6	1.64	< 0.5	20	13	204	4.22	10	< 1	1.74	< 10	1.46
759936	205	226	< 0.03	0.6	2.56	< 2	< 10	150	< 0.5	< 2	1.84	1.0	24	22	183	4.27	10	< 1	1.23	< 10	1.51
759940	205	226	< 0.03	< 0.2	2.29	< 2	< 10	140	< 0.5	< 2	1.36	0.5	26	17	197	5.04	10	< 1	1.11	< 10	1.26
759942	205	226	< 0.03	< 0.2	1.89	2	< 10	120	< 0.5	< 2	0.85	0.5	21	19	146	3.67	< 10	< 1	0.90	< 10	1.13

CERTIFICATION:

ALS Chemex

Aurora Laboratory Services Ltd.
Analytical Chemists * Geochemists * Registered Assayers
212 Brooksbank Ave., North Vancouver
British Columbia, Canada V7J 2C1
PHONE: 604-984-0221 FAX: 604-984-0218

To: KENNEDY, DAVID **

5596 NUTHATCH PL.
NORTH VANCOUVER, BC
V7R 4R8

Project : POLY
Comments: ATTN: D. KENNEDY CC: GEOFINE FAX # D. MOLLOY

Certificate Date: 08-AUG-2000
Invoice No. : I0024767
P.O. Number : GEOFINE P
Account : SFG

CERTIFICATE OF ANALYSIS A0024767

SAMPLE	PREP CODE		Mn ppm	Mo ppm	Na %	Ni ppm	P ppm	Pb ppm	S %	Sb ppm	Sc ppm	Sr ppm	Ti %	Tl ppm	U ppm	V ppm	W ppm	Zn ppm
759908	205	226	720	4	0.38	14	1540	10	1.51	< 2	5	138	0.17	< 10	< 10	156	< 10	124
759912	205	226	640	14	0.43	15	1540	2	1.25	< 2	4	218	0.16	< 10	< 10	135	40	130
759913	205	226	655	2	0.18	12	1700	6	0.51	< 2	5	66	0.23	< 10	< 10	148	< 10	110
759918	205	226	490	2	0.09	12	1440	2	1.13	< 2	3	53	0.16	< 10	< 10	89	< 10	94
759920	205	226	485	1	0.12	12	1420	8	1.05	< 2	4	33	0.16	< 10	< 10	103	< 10	104
759922	205	226	850	5	0.51	23	1690	2650	4.59	< 2	15	69	0.18	< 10	< 10	208	50	2890
759923	205	226	545	3	0.21	15	1630	4	1.24	< 2	5	118	0.22	< 10	< 10	153	< 10	124
759927	205	226	575	3	0.33	7	1160	10	1.18	< 2	8	98	0.17	< 10	< 10	94	< 10	68
759929	205	226	605	3	0.22	3	1170	< 2	1.56	< 2	7	77	0.17	< 10	< 10	89	< 10	90
759932	205	226	960	12	0.18	5	1840	6	0.82	< 2	14	73	0.26	< 10	< 10	180	< 10	102
759934	205	226	1190	7	0.11	18	1330	14	0.10	< 2	10	46	0.20	< 10	< 10	149	< 10	174
759935	205	226	715	5	0.27	4	1860	2	0.58	< 2	10	76	0.23	< 10	< 10	140	< 10	76
759936	205	226	660	1	0.18	9	1730	< 2	1.08	< 2	8	69	0.18	< 10	< 10	153	< 10	146
759940	205	226	640	1	0.13	14	1660	2	1.16	< 2	5	65	0.22	< 10	< 10	183	< 10	120
759942	205	226	555	11	0.08	12	1460	2	0.44	< 2	3	35	0.20	< 10	< 10	109	< 10	92

CERTIFICATION:

ALS Chemex

Aurora Laboratory Services Ltd.
Analytical Chemists * Geochemists * Registered Assayers
212 Brooksbank Ave., North Vancouver
British Columbia, Canada V7J 2C1
PHONE: 604-984-0221 FAX: 604-984-0218

To: KENNEDY, DAVID **

5596 NUTHATCH PL.
NORTH VANCOUVER, BC
V7R 4R8

Project : POLY
Comments: ATTN: D. KENNEDY CC: GEOFINE FAX# D. MOLLOY

Certificate Date: 14-AUG-2000
Invoice No. : 10025036
P.O. Number : GEOFINE P.
Account : SFG

CERTIFICATE OF ANALYSIS A0025036

SAMPLE	PREP CODE		Au g/t	Ag ppm	Al %	As ppm	B ppm	Ba ppm	Be ppm	Bi ppm	Ca %	Cd ppm	Co ppm	Cr ppm	Cu ppm	Fe %	Ga ppm	Hg ppm	K %	La ppm	Mg %
759950	201	202	0.12	1.4	1.52	136	< 10	60	< 0.5	< 2	2.39	2.5	26	22	119	4.91	< 10	< 1	0.09	< 10	1.20
759975	201	202	0.12	2.0	1.51	140	< 10	60	< 0.5	< 2	2.40	3.0	27	22	112	5.03	< 10	< 1	0.09	< 10	1.21
759977	201	202	< 0.03	0.8	2.54	84	< 10	240	< 0.5	< 2	0.92	2.0	29	27	121	4.49	10	< 1	0.42	< 10	1.40
759979	201	202	0.15	2.0	2.93	164	< 10	190	< 0.5	< 2	1.19	2.0	20	26	83	4.55	10	< 1	0.48	< 10	1.10
759980	201	202	0.06	2.0	3.26	190	< 10	210	< 0.5	< 2	1.23	2.5	22	31	88	4.95	10	< 1	0.52	< 10	1.24
760000	201	202	0.15	2.0	1.52	184	< 10	60	< 0.5	< 2	2.44	4.0	33	21	161	5.63	10	< 1	0.09	< 10	1.20

CERTIFICATION: [signature]

ALS Chemex

Aurora Laboratory Services Ltd.
Analytical Chemists * Geochemists * Registered Assayers
212 Brooksbank Ave., North Vancouver
British Columbia, Canada V7J 2C1
PHONE: 604-984-0221 FAX: 604-984-0218

To: KENNEDY, DAVID **

5596 NUTHATCH PL.
NORTH VANCOUVER, BC
V7R 4R8

Project : POLY
Comments: ATTN: D. KENNEDY CC: GEOFINE FAX# D. MOLLOY

Certificate Date: 14-AUG-2000
Invoice No. : I0025036
P.O. Number : GEOFINE P.
Account : SFG

CERTIFICATE OF ANALYSIS A0025036

SAMPLE	PREP CODE		Mn ppm	Mo ppm	Na %	Ni ppm	P ppm	Pb ppm	S %	Sb ppm	Sc ppm	Sr ppm	Ti %	Tl ppm	U ppm	V ppm	W ppm	Zn ppm
759950	201	202	640	3	0.01	60	950	68	2.46	4	3	108	0.03	< 10	< 10	46	< 10	216
759975	201	202	645	16	0.01	60	960	78	2.54	12	3	107	0.03	< 10	< 10	46	10	212
759977	201	202	1760	1	0.01	66	1480	26	0.08	< 2	6	69	0.11	< 10	< 10	88	< 10	294
759979	201	202	1350	3	0.08	38	1220	36	0.09	< 2	6	102	0.11	< 10	< 10	90	< 10	226
759980	201	202	1540	3	0.09	44	1190	36	0.09	< 2	7	106	0.13	< 10	< 10	100	< 10	240
760000	201	202	670	3	0.01	68	960	106	3.07	8	3	114	0.03	< 10	< 10	47	10	304

CERTIFICATION:

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Aurora Laboratory Services Ltd.
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212 Brooksbank Ave., North Vancouver
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PHONE: 604-984-0221 FAX: 604-984-0218

To: KENNEDY, DAVID **

5596 NUTHATCH PL.
NORTH VANCOUVER, BC
V7R 4R8

Project : POLY
Comments: ATTN: D. KENNEDY CC: GEOFINE FAX# D. MOLLOY

Certificate Date: 16-AUG-2000
Invoice No. : I0025031
P.O. Number : GEOFINE P.
Account : SFG

CERTIFICATE OF ANALYSIS A0025031

SAMPLE	PREP CODE	Au g/t	Ag ppm	Al %	As ppm	B ppm	Ba ppm	Be ppm	Bi ppm	Ca %	Cd ppm	Co ppm	Cr ppm	Cu ppm	Fe %	Ga ppm	Hg ppm	K %	La ppm	Mg %
759851	201 202	0.03	0.8	3.27	54	< 10	210	0.5	< 2	0.54	1.0	26	29	151	5.26	< 10	< 1	0.63	< 10	1.44
759852	201 202	< 0.03	0.6	3.07	54	< 10	160	0.5	< 2	0.42	0.5	24	31	127	4.92	< 10	< 1	0.50	< 10	1.25
759853	201 202	0.06	0.6	4.36	80	< 10	240	0.5	< 2	0.50	1.5	34	25	237	5.96	10	< 1	0.79	< 10	1.65
759854	201 202	0.09	0.6	4.19	84	< 10	230	0.5	< 2	0.48	1.5	32	30	211	5.94	10	< 1	0.82	< 10	1.63
759855	201 202	0.06	0.6	4.18	80	< 10	210	0.5	< 2	0.44	1.0	32	28	208	5.77	< 10	< 1	0.71	< 10	1.56
759857	201 202	0.06	0.4	5.04	70	< 10	280	1.0	< 2	0.53	2.0	44	24	310	6.95	10	< 1	0.97	< 10	2.02
759858	201 202	0.06	0.6	4.07	94	< 10	270	0.5	< 2	0.75	2.5	35	23	251	6.42	10	< 1	0.97	< 10	1.76
759859	201 202	0.06	0.8	3.91	82	< 10	240	0.5	< 2	0.60	2.0	31	22	221	6.27	10	< 1	0.79	< 10	1.62
759860	201 202	< 0.03	1.2	4.29	66	< 10	160	0.5	< 2	0.35	1.5	25	28	118	5.84	10	< 1	0.62	< 10	1.18
759949	201 202	0.06	0.6	3.60	50	< 10	170	0.5	< 2	0.35	1.5	28	45	132	5.28	< 10	< 1	0.51	< 10	1.41
759952	201 202	< 0.03	0.6	3.26	52	< 10	180	0.5	< 2	0.51	1.5	26	35	149	5.08	< 10	< 1	0.60	< 10	1.33
759953	201 202	< 0.03	0.8	1.83	42	< 10	300	0.5	< 2	0.38	1.0	15	26	47	4.27	< 10	< 1	0.21	< 10	0.85
759954	201 202	< 0.03	0.6	3.30	50	< 10	150	0.5	< 2	0.38	0.5	25	47	107	4.89	< 10	< 1	0.40	< 10	1.31
759955	201 202	< 0.03	0.4	2.33	18	< 10	110	0.5	< 2	0.35	1.5	18	66	44	3.81	< 10	< 1	0.08	< 10	1.12
759956	201 202	0.03	0.6	5.03	78	< 10	280	1.0	< 2	0.46	2.5	39	29	297	6.51	10	< 1	0.89	< 10	1.95
759958	201 202	< 0.03	0.4	2.40	32	< 10	90	0.5	< 2	0.25	0.5	19	73	42	3.84	< 10	< 1	0.13	< 10	1.13
759959	201 202	< 0.03	0.8	3.50	102	< 10	150	0.5	< 2	0.26	0.5	28	100	82	5.07	< 10	< 1	0.44	< 10	1.32
759960	201 202	0.03	0.4	3.36	52	< 10	140	0.5	< 2	0.48	1.5	26	32	149	4.73	< 10	< 1	0.50	< 10	1.19
759962	201 202	0.03	1.4	2.91	118	< 10	150	0.5	< 2	0.70	2.0	21	48	63	4.54	< 10	< 1	0.40	< 10	1.18
759964	201 202	0.03	0.4	2.25	18	< 10	70	0.5	< 2	0.21	0.5	17	69	40	3.66	< 10	< 1	0.09	< 10	1.10
759965	201 202	< 0.03	0.4	2.24	22	< 10	100	0.5	< 2	0.20	0.5	16	64	40	3.85	< 10	< 1	0.12	< 10	1.11
759966	201 202	0.03	0.2	4.29	64	< 10	210	< 0.5	4	0.46	2.0	31	22	201	5.80	10	< 1	0.77	< 10	1.56
759967	201 202	0.06	0.6	4.63	72	10	230	< 0.5	6	0.59	1.5	33	21	221	6.15	10	< 1	0.85	< 10	1.68
759969	201 202	0.06	0.6	4.13	90	< 10	240	< 0.5	< 2	0.56	3.0	30	19	240	5.87	10	< 1	0.97	< 10	1.65
759970	201 202	< 0.03	0.2	3.20	52	< 10	240	< 0.5	< 2	0.81	3.0	27	16	136	4.64	10	< 1	0.63	< 10	1.23
759971	201 202	0.03	0.4	3.80	80	< 10	240	< 0.5	< 2	0.73	2.0	28	18	210	5.43	10	< 1	0.90	< 10	1.54
759972	201 202	0.06	0.6	3.77	80	< 10	220	< 0.5	6	0.56	1.5	26	17	206	5.38	10	< 1	0.88	< 10	1.50
759973	201 202	0.06	0.4	4.10	80	< 10	250	< 0.5	8	0.62	2.0	31	18	250	5.84	10	< 1	0.95	< 10	1.71
759974	201 202	< 0.03	0.6	2.76	96	< 10	240	< 0.5	< 2	1.10	2.0	31	31	143	4.60	10	< 1	0.48	< 10	1.50
759978	201 202	< 0.03	< 0.2	3.43	42	< 10	550	< 0.5	6	0.81	0.5	17	67	68	3.75	10	< 1	0.89	< 10	1.72
759981	201 202	0.03	0.2	4.55	62	< 10	260	< 0.5	4	0.48	1.5	37	26	219	6.02	10	< 1	0.84	< 10	1.78
759982	201 202	0.06	0.8	3.80	50	< 10	170	< 0.5	< 2	0.31	1.0	24	20	164	5.30	10	< 1	0.63	< 10	1.35
759984	201 202	< 0.03	1.6	1.18	22	< 10	110	< 0.5	< 2	0.29	< 0.5	5	9	61	2.28	< 10	< 1	0.29	< 10	0.33
759986	201 202	0.03	0.8	4.05	52	< 10	140	< 0.5	< 2	0.24	0.5	20	25	131	6.00	10	< 1	0.59	< 10	1.39
759988	201 202	< 0.03	1.2	0.74	10	< 10	120	< 0.5	< 2	0.34	< 0.5	3	7	51	1.50	< 10	< 1	0.20	< 10	0.27
759990	201 202	< 0.03	0.6	3.80	64	< 10	200	< 0.5	< 2	0.55	1.5	24	24	168	5.40	10	< 1	0.72	< 10	1.42
759991	201 202	0.03	0.6	3.77	66	< 10	220	< 0.5	< 2	0.69	2.0	26	23	168	5.33	10	< 1	0.67	< 10	1.43
759992	201 202	< 0.03	0.6	4.43	98	< 10	200	< 0.5	< 2	0.40	1.0	27	27	176	5.37	10	< 1	0.62	< 10	1.49
759993	201 202	< 0.03	0.4	4.36	88	< 10	200	< 0.5	4	0.42	0.5	29	31	186	5.67	10	< 1	0.61	< 10	1.58
759995	201 202	< 0.03	0.2	2.94	50	< 10	120	0.5	< 2	0.18	0.5	25	45	90	4.51	< 10	< 1	0.26	< 10	1.13

CERTIFICATION:

ALS Chemex
Aurora Laboratory Services Ltd.
Analytical Chemists * Geochemists * Registered Assayers
212 Brooksbank Ave., North Vancouver
British Columbia, Canada V7J 2C1
PHONE: 604-984-0221 FAX: 604-984-0218

To: KENNEDY, DAVID **

5596 NUTHATCH PL.
NORTH VANCOUVER, BC
V7R 4R8

Project : POLY
Comments: ATTN: D. KENNEDY CC: GEOFINE FAX# D. MOLLOY

Certificate Date: 16-AUG-2000
Invoice No. : I0025031
P.O. Number : GEOFINE P.
Account : SFG

CERTIFICATE OF ANALYSIS A0025031

SAMPLE	PREP CODE	Mn ppm	Mo ppm	Na %	Ni ppm	P ppm	Pb ppm	S %	Sb ppm	Sc ppm	Sr ppm	Ti %	Tl ppm	U ppm	V ppm	W ppm	Zn ppm
759851	201 202	1265	12	0.04	33	1580	16	0.08	< 2	8	31	0.17	< 10	< 10	134	< 10	190
759852	201 202	1385	8	0.03	36	1440	18	0.07	< 2	6	28	0.13	< 10	< 10	116	< 10	180
759853	201 202	1450	7	0.03	31	1330	48	0.04	< 2	9	40	0.20	< 10	< 10	160	< 10	270
759854	201 202	1445	7	0.04	34	1430	32	0.04	< 2	9	38	0.18	< 10	< 10	151	< 10	248
759855	201 202	1405	8	0.03	34	1430	32	0.04	< 2	8	35	0.18	< 10	< 10	148	< 10	240
759857	201 202	1790	8	0.04	31	1540	44	0.03	< 2	9	58	0.23	< 10	< 10	187	10	290
759858	201 202	1935	10	0.05	29	1760	22	0.04	< 2	10	43	0.21	< 10	< 10	166	< 10	276
759859	201 202	1830	12	0.05	27	1670	28	0.07	< 2	9	39	0.19	< 10	< 10	156	< 10	306
759860	201 202	1365	9	0.04	24	1680	28	0.14	< 2	6	27	0.15	< 10	< 10	127	< 10	248
759949	201 202	1560	6	0.03	54	1510	26	0.04	< 2	7	28	0.11	< 10	< 10	114	< 10	188
759952	201 202	1300	11	0.03	43	1450	24	0.05	< 2	7	34	0.13	< 10	10	116	< 10	184
759953	201 202	1310	4	0.03	30	1030	44	0.03	< 2	5	25	0.06	< 10	< 10	68	< 10	218
759954	201 202	1480	5	0.02	58	1390	22	0.04	< 2	6	26	0.09	< 10	< 10	101	< 10	168
759955	201 202	1285	2	0.01	83	940	20	0.03	< 2	5	19	0.01	< 10	< 10	48	< 10	162
759956	201 202	1550	8	0.04	39	1330	86	0.02	< 2	10	51	0.21	< 10	< 10	178	< 10	330
759958	201 202	1145	3	< 0.01	85	960	16	0.03	< 2	5	16	0.02	< 10	< 10	51	< 10	126
759959	201 202	1435	5	0.02	76	1260	22	0.04	< 2	8	21	0.11	< 10	< 10	97	< 10	142
759960	201 202	1365	7	0.03	38	1400	32	0.03	< 2	6	32	0.12	< 10	< 10	104	< 10	182
759962	201 202	1410	2	0.06	61	1140	30	0.04	< 2	5	61	0.07	< 10	< 10	71	< 10	176
759964	201 202	1185	2	< 0.01	83	1020	14	0.01	< 2	5	15	0.01	< 10	< 10	46	< 10	118
759965	201 202	1115	4	0.01	78	860	12	0.01	< 2	5	16	0.01	< 10	< 10	50	< 10	120
759966	201 202	1530	6	0.03	27	1440	38	0.04	< 2	9	38	0.19	< 10	< 10	163	10	254
759967	201 202	1580	6	0.03	26	1450	36	0.05	< 2	10	43	0.21	< 10	< 10	177	10	270
759969	201 202	1670	10	0.04	25	1430	26	0.06	< 2	10	37	0.21	< 10	< 10	172	10	272
759970	201 202	3050	10	0.03	25	1410	18	0.08	< 2	7	37	0.15	< 10	< 10	130	< 10	202
759971	201 202	1720	7	0.03	23	1500	20	0.07	< 2	9	43	0.19	< 10	< 10	160	< 10	256
759972	201 202	1545	8	0.03	22	1370	20	0.07	< 2	9	39	0.19	< 10	< 10	158	10	236
759973	201 202	1690	6	0.04	23	1380	24	0.05	< 2	11	40	0.21	< 10	< 10	173	10	278
759974	201 202	2010	3	0.01	76	1440	26	0.08	< 2	6	82	0.12	< 10	< 10	95	< 10	296
759978	201 202	1080	3	0.06	71	900	10	0.06	< 2	9	53	0.19	< 10	< 10	113	< 10	136
759981	201 202	1635	9	0.03	39	1420	50	0.01	< 2	10	47	0.19	< 10	< 10	169	10	290
759982	201 202	1180	7	0.03	24	1270	32	0.07	< 2	7	28	0.18	< 10	< 10	152	10	196
759984	201 202	260	3	0.01	9	1250	8	0.20	< 2	2	17	0.08	< 10	< 10	67	< 10	60
759986	201 202	1245	7	0.02	23	1300	40	0.05	2	8	24	0.19	< 10	< 10	174	< 10	168
759988	201 202	145	3	0.01	9	840	4	0.17	< 2	1	24	0.06	< 10	< 10	42	< 10	50
759990	201 202	1250	8	0.02	30	1600	36	0.05	< 2	8	38	0.17	< 10	< 10	153	10	228
759991	201 202	1360	8	0.03	29	1450	32	0.06	2	9	46	0.17	< 10	< 10	149	10	230
759992	201 202	1515	6	0.03	30	1310	48	0.04	< 2	9	33	0.17	< 10	< 10	150	10	314
759993	201 202	1520	4	0.04	38	1100	36	0.03	< 2	9	36	0.17	< 10	< 10	152	< 10	268
759995	201 202	1460	5	0.01	66	870	24	0.02	< 2	6	16	0.06	< 10	< 10	81	< 10	202

CERTIFICATION: [signature]

ALS Chemex
Aurora Laboratory Services Ltd.
Analytical Chemists * Geochemists * Registered Assayers
212 Brooksbank Ave., North Vancouver
British Columbia, Canada V7J 2C1
PHONE: 604-984-0221 FAX: 604-984-0218

To: KENNEDY, DAVID **

5596 NUTHATCH PL.
NORTH VANCOUVER, BC
V7R 4R8

Project : POLY
Comments: ATTN: D. KENNEDY CC: GEOFINE FAX# D. MOLLOY

Certificate Date: 16-AUG-2000
Invoice No. : I0025031
P.O. Number : GEOFINE P.
Account : SFG

CERTIFICATE OF ANALYSIS A0025031

SAMPLE	PREP CODE		Au g/t	Ag ppm	Al %	As ppm	B ppm	Ba ppm	Be ppm	Bi ppm	Ca %	Cd ppm	Co ppm	Cr ppm	Cu ppm	Fe %	Ga ppm	Hg ppm	K %	La ppm	Mg %
759996	201	202	0.03	0.4	4.74	64	< 10	200	< 0.5	6	0.38	2.0	26	22	189	6.07	10	< 1	0.74	< 10	1.58
759997	201	202	0.03	0.6	4.75	74	< 10	200	< 0.5	2	0.39	1.5	29	20	208	5.96	10	< 1	0.76	< 10	1.59
759998	201	202	< 0.03	0.8	3.70	58	< 10	210	< 0.5	6	0.37	1.0	22	19	165	5.67	10	< 1	0.74	< 10	1.43

CERTIFICATION:

ALS Chemex

Aurora Laboratory Services Ltd.
Analytical Chemists * Geochemists * Registered Assayers
212 Brooksbank Ave., North Vancouver
British Columbia, Canada V7J 2C1
PHONE: 604-984-0221 FAX: 604-984-0218

To: KENNEDY, DAVID **

5596 NUTHATCH PL.
NORTH VANCOUVER, BC
V7R 4R8

Project : POLY
Comments: ATTN: D. KENNEDY CC: GEOFINE FAX# D. MOLLOY

Certificate Date: 16-AUG-2000
Invoice No. : 10025031
P.O. Number : GEOFINE P.
Account : SFG

CERTIFICATE OF ANALYSIS A0025031

SAMPLE	PREP CODE		Mn ppm	Mo ppm	Na %	Ni ppm	P ppm	Pb ppm	S %	Sb ppm	Sc ppm	Sr ppm	Ti %	Tl ppm	U ppm	V ppm	W ppm	Zn ppm
759996	201	202	1295	6	0.03	26	1330	32	0.04	< 2	9	35	0.20	< 10	< 10	173	10	238
759997	201	202	1300	6	0.03	25	1270	34	0.05	< 2	10	36	0.20	< 10	< 10	171	10	248
759998	201	202	1130	6	0.03	20	1750	32	0.13	< 2	8	32	0.18	< 10	< 10	164	10	188

CERTIFICATION: [signature]

ALS Chemex
Aurora Laboratory Services Ltd.
Analytical Chemists * Geochemists * Registered Assayers
212 Brooksbank Ave., North Vancouver
British Columbia, Canada V7J 2C1
PHONE: 604-984-0221 FAX: 604-984-0218

To: KENNEDY, DAVID **
5596 NUTHATCH PL.
NORTH VANCOUVER, BC
V7R 4R8

Project : POLY
Comments: ATTN: D. KENNEDY CC: D. MOLLOY

Certificate Date: 08-SEP-2000
Invoice No. :I0027936
P.O. Number :GEOFIN P
Account :SFG

CERTIFICATE OF ANALYSIS A0027936

SAMPLE	PREP CODE		Au ppb FA+AA	Ag ppm	Al %	As ppm	B ppm	Ba ppm	Be ppm	Bi ppm	Ca %	Cd ppm	Co ppm	Cr ppm	Cu ppm	Fe %	Ga ppm	Hg ppm	K %	La ppm	Mg %
686753	201	202	15	0.6	2.71	52	< 10	130	< 0.5	< 2	0.28	< 0.5	17	25	77	5.04	10	< 1	0.64	< 10	1.15
686754	201	202	25	< 0.2	1.38	18	< 10	130	< 0.5	< 2	0.15	< 0.5	5	18	31	2.78	10	< 1	0.62	< 10	0.71
686756	201	202	35	0.6	4.02	86	< 10	200	0.5	< 2	0.41	1.0	29	22	250	5.67	10	< 1	0.87	< 10	1.60
686757	201	202	35	0.2	4.60	90	< 10	230	0.5	2	0.48	1.5	33	22	267	6.26	10	< 1	1.02	< 10	1.82
686758	201	202	30	< 0.2	5.14	86	< 10	210	0.5	< 2	0.43	1.5	32	28	234	6.24	10	< 1	0.88	< 10	1.76
686759	201	202	30	0.2	4.52	88	< 10	210	0.5	< 2	0.42	2.0	30	24	228	6.20	10	< 1	0.82	< 10	1.67
686760	201	202	45	0.4	4.28	112	< 10	250	0.5	< 2	0.53	2.0	35	23	317	6.48	10	< 1	1.16	< 10	1.89
686761	201	202	45	0.2	4.21	98	< 10	190	0.5	< 2	0.44	1.5	31	25	233	6.00	10	< 1	0.97	< 10	1.66
686762	201	202	60	0.2	4.32	98	< 10	210	0.5	< 2	0.44	1.5	32	23	264	6.13	10	< 1	1.09	< 10	1.75
686763	201	202	70	0.2	4.09	102	< 10	230	0.5	< 2	0.45	1.5	32	24	271	6.05	10	< 1	1.08	< 10	1.74
686764	201	202	35	0.2	4.11	90	< 10	220	0.5	< 2	0.46	1.5	29	23	248	6.00	10	< 1	0.97	< 10	1.74
686776	201	202	35	< 0.2	3.01	34	< 10	130	0.5	< 2	0.41	1.0	17	33	97	4.27	10	< 1	0.50	10	1.12
686777	201	202	10	0.2	2.39	16	< 10	120	1.0	< 2	0.37	1.5	12	36	53	2.60	< 10	< 1	0.23	10	0.80
686778	201	202	25	0.2	2.92	36	< 10	170	0.5	< 2	0.51	0.5	15	25	91	4.09	10	< 1	0.50	< 10	1.14
686779	201	202	55	< 0.2	4.42	122	< 10	280	0.5	< 2	0.69	2.0	34	19	311	6.80	20	< 1	1.26	< 10	2.08
686780	201	202	20	0.2	3.30	56	< 10	190	0.5	< 2	0.46	0.5	24	28	162	5.23	10	< 1	0.68	< 10	1.52
686781	201	202	20	< 0.2	3.17	44	< 10	100	0.5	< 2	0.21	0.5	15	22	131	4.81	10	< 1	0.46	< 10	1.10
686783	201	202	15	< 0.2	2.73	24	< 10	80	0.5	< 2	0.29	< 0.5	17	29	88	3.88	10	< 1	0.25	10	0.88
686784	214	229	1340	2.2	3.40	146	< 10	< 10	< 0.5	< 2	3.18	3.0	198	21	7640	9.18	10	< 1	0.04	< 10	1.90
686786	201	202	30	< 0.2	3.51	86	< 10	350	0.5	< 2	0.85	5.0	29	23	215	6.95	20	< 1	1.13	10	1.87
686787	201	202	30	0.2	3.63	70	< 10	280	0.5	< 2	0.81	3.5	30	27	216	5.82	10	< 1	0.91	< 10	1.74
686788	201	202	20	0.2	3.23	52	< 10	200	0.5	2	0.58	1.5	25	28	144	5.03	10	< 1	0.56	< 10	1.34
686790	201	202	20	< 0.2	2.93	60	< 10	160	0.5	< 2	0.28	0.5	25	36	161	4.69	10	< 1	0.45	< 10	1.26
686791	201	202	25	0.2	3.51	56	< 10	170	0.5	< 2	0.34	1.5	25	41	152	5.19	10	< 1	0.51	< 10	1.37
686792	201	202	30	0.2	3.71	60	< 10	190	0.5	< 2	0.39	1.0	28	32	181	5.47	10	< 1	0.71	< 10	1.49
686793	201	202	10	< 0.2	3.01	52	< 10	170	0.5	< 2	0.33	1.0	25	39	136	4.82	10	< 1	0.48	< 10	1.32
686794	--	--	NotRcd	NotRcd	NotRcd	NotRcd	NotRcd	NotRcd	NotRcd	NotRcd	NotRcd	NotRcd	NotRcd	NotRcd	NotRcd	NotRcd	NotRcd	NotRcd	NotRcd	NotRcd	NotRcd
759863	201	202	30	0.8	2.93	120	< 10	150	0.5	< 2	0.60	1.5	22	52	78	4.64	10	< 1	0.37	< 10	1.29
759864	201	202	10	0.2	2.14	54	< 10	90	0.5	< 2	0.31	0.5	14	52	47	3.67	< 10	< 1	0.19	< 10	1.09
759865	201	202	15	0.6	2.44	110	< 10	130	0.5	< 2	0.37	0.5	19	60	59	4.13	10	< 1	0.33	< 10	1.16
759866	201	202	30	0.8	2.87	146	< 10	150	0.5	< 2	0.66	1.5	22	54	75	4.66	10	< 1	0.43	< 10	1.27
759869	201	202	70	0.4	2.63	98	< 10	140	0.5	< 2	0.51	1.5	18	49	64	4.24	10	< 1	0.34	< 10	1.18
759870	201	202	15	0.6	2.54	98	< 10	130	0.5	< 2	0.37	< 0.5	20	58	63	4.26	10	< 1	0.31	< 10	1.20
759871	201	202	65	1.0	2.66	150	< 10	150	0.5	< 2	0.58	0.5	21	41	84	4.71	10	< 1	0.42	< 10	1.15
759873	201	202	20	0.4	2.29	86	< 10	110	0.5	< 2	0.38	0.5	16	50	51	3.88	10	< 1	0.27	< 10	1.08
759874	201	202	40	1.0	3.01	140	< 10	130	0.5	< 2	0.54	0.5	19	41	71	4.43	10	< 1	0.41	< 10	1.13
759877	201	202	260	0.6	2.81	138	< 10	90	0.5	< 2	0.26	< 0.5	16	40	60	4.07	10	< 1	0.28	< 10	0.87
759879	201	202	25	1.2	2.42	150	< 10	130	0.5	< 2	0.27	< 0.5	23	85	55	4.34	10	< 1	0.45	< 10	1.15
759880	201	202	20	0.2	1.65	116	< 10	100	< 0.5	< 2	0.17	< 0.5	12	69	35	3.43	< 10	< 1	0.25	< 10	0.82
759881	201	202	10	0.2	2.18	76	< 10	90	0.5	< 2	0.17	< 0.5	17	73	44	3.91	10	< 1	0.22	< 10	1.10

CERTIFICATION: ____________

ALS Chemex

Aurora Laboratory Services Ltd.

Analytical Chemists * Geochemists * Registered Assayers

212 Brooksbank Ave., North Vancouver
British Columbia, Canada V7J 2C1
PHONE: 604-984-0221 FAX: 604-984-0218

To: KENNEDY, DAVID **

5596 NUTHATCH PL.
NORTH VANCOUVER, BC
V7R 4R8

Project : POLY
Comments: ATTN: D. KENNEDY CC: D. MOLLOY

Certificate Date: 08-SEP-2000
Invoice No. : I0027936
P.O. Number : GEOFIN P
Account : SFG

CERTIFICATE OF ANALYSIS A0027936

SAMPLE	PREP CODE		Mn ppm	Mo ppm	Na %	Ni ppm	P ppm	Pb ppm	S %	Sb ppm	Sc ppm	Sr ppm	Ti %	Tl ppm	U ppm	V ppm	W ppm	Zn ppm
686753	201	202	1210	4	0.04	13	1580	12	0.08	< 2	7	21	0.16	< 10	< 10	147	< 10	150
686754	201	202	405	3	0.01	8	700	6	0.09	< 2	5	14	0.15	< 10	< 10	105	< 10	54
686756	201	202	1420	4	0.04	24	1470	52	0.06	< 2	9	34	0.19	< 10	< 10	161	< 10	278
686757	201	202	1700	7	0.04	23	1540	30	0.04	< 2	11	39	0.21	< 10	< 10	181	< 10	316
686758	201	202	1505	9	0.03	29	1600	44	0.03	< 2	10	40	0.19	< 10	< 10	175	10	292
686759	201	202	1565	8	0.04	24	1610	38	0.05	< 2	10	38	0.19	< 10	< 10	171	< 10	306
686760	201	202	1795	9	0.04	26	1680	24	0.03	< 2	12	41	0.22	< 10	< 10	183	< 10	294
686761	201	202	1615	8	0.04	26	1790	28	0.05	< 2	10	35	0.19	< 10	< 10	167	< 10	270
686762	201	202	1800	5	0.04	24	1760	28	0.04	< 2	11	36	0.21	< 10	< 10	176	< 10	268
686763	201	202	1745	7	0.04	24	1580	24	0.05	< 2	11	37	0.20	< 10	< 10	174	< 10	268
686764	201	202	1820	7	0.04	24	1410	24	0.04	< 2	11	36	0.21	< 10	< 10	173	< 10	264
686776	201	202	1160	21	0.03	24	830	12	0.05	< 2	7	26	0.13	< 10	10	114	< 10	152
686777	201	202	750	21	0.02	26	1240	10	0.12	< 2	3	26	0.08	< 10	40	74	< 10	136
686778	201	202	875	11	0.02	20	1070	16	0.07	< 2	6	36	0.15	< 10	10	123	< 10	140
686779	201	202	1995	7	0.05	20	1490	20	0.03	< 2	14	46	0.25	< 10	< 10	201	< 10	288
686780	201	202	1325	7	0.03	31	1510	24	0.05	< 2	8	31	0.15	< 10	10	137	< 10	208
686781	201	202	875	7	0.02	16	950	18	0.04	< 2	7	18	0.15	< 10	< 10	128	< 10	130
686783	201	202	1000	10	0.01	31	1080	32	0.03	< 2	4	29	0.08	< 10	< 10	76	< 10	130
686784	214	229	1480	< 1	0.05	72	160	< 2	2.14	< 2	6	5	0.02	< 10	< 10	53	< 10	132
686786	201	202	4750	18	0.05	27	1690	24	0.03	< 2	13	44	0.20	< 10	< 10	174	< 10	306
686787	201	202	1840	5	0.04	36	1370	36	0.03	< 2	11	40	0.19	< 10	< 10	158	< 10	300
686788	201	202	1515	4	0.03	28	1750	44	0.06	< 2	7	39	0.13	< 10	< 10	126	< 10	248
686790	201	202	1175	5	0.02	44	1220	34	0.01	< 2	7	22	0.10	< 10	< 10	102	< 10	290
686791	201	202	1295	5	0.03	45	1230	36	0.02	< 2	8	28	0.12	< 10	< 10	116	< 10	250
686792	201	202	1365	6	0.03	37	1370	38	0.03	< 2	8	34	0.14	< 10	< 10	137	< 10	248
686793	201	202	1315	3	0.02	48	1100	34	0.02	< 2	7	26	0.11	< 10	< 10	106	< 10	234
686794	--	--	NotRcd	NotRcd	NotRcd	NotRcd	NotRcd	NotRcd	NotRcd	NotRcd	NotRcd	NotRcd	NotRcd	NotRcd	NotRcd	NotRcd	NotRcd	NotRcd
759863	201	202	1535	2	0.05	64	1200	26	0.03	< 2	6	49	0.08	< 10	< 10	79	< 10	198
759864	201	202	955	1	0.02	66	910	16	0.02	< 2	4	23	0.03	< 10	< 10	53	< 10	140
759865	201	202	1150	2	0.03	71	950	22	0.03	< 2	5	33	0.06	< 10	< 10	66	< 10	152
759866	201	202	1480	3	0.05	62	1260	30	0.04	< 2	6	54	0.09	< 10	< 10	80	< 10	200
759869	201	202	1315	1	0.05	60	990	22	0.02	< 2	6	46	0.06	< 10	< 10	68	< 10	170
759870	201	202	1260	1	0.04	69	1010	24	0.02	< 2	6	33	0.06	< 10	< 10	68	< 10	160
759871	201	202	1420	1	0.05	51	1140	28	0.04	< 2	6	55	0.08	< 10	< 10	75	< 10	180
759873	201	202	1110	< 1	0.03	58	1050	18	0.02	< 2	5	34	0.05	< 10	< 10	60	< 10	144
759874	201	202	1460	2	0.06	44	1170	24	0.04	< 2	5	52	0.09	< 10	< 10	79	< 10	166
759877	201	202	1210	1	0.03	40	1210	22	0.06	< 2	4	31	0.07	< 10	< 10	70	< 10	120
759879	201	202	965	3	0.02	82	980	14	0.05	< 2	6	25	0.09	< 10	< 10	72	< 10	130
759880	201	202	600	1	0.01	55	1070	12	0.07	< 2	4	16	0.07	< 10	< 10	57	< 10	84
759881	201	202	1035	3	0.01	70	1060	18	0.04	< 2	5	16	0.05	< 10	< 10	60	< 10	118

CERTIFICATION: ____________

ALS Chemex

Aurora Laboratory Services Ltd.
Analytical Chemists * Geochemists * Registered Assayers
212 Brooksbank Ave., North Vancouver
British Columbia, Canada V7J 2C1
PHONE: 604-984-0221 FAX: 604-984-0218

To: KENNEDY, DAVID

5596 NUTHATCH PL.
NORTH VANCOUVER, BC
V7R 4R8

Project : POLY
Comments: ATTN: D. KENNEDY CC: D. MOLLOY

Certificate Date: 08-SEP-2000
Invoice No. : I0027936
P.O. Number : GEOFIN P
Account : SFG

CERTIFICATE OF ANALYSIS A0027936

SAMPLE	PREP CODE		Au ppb FA+AA	Ag ppm	Al %	As ppm	B ppm	Ba ppm	Be ppm	Bi ppm	Ca %	Cd ppm	Co ppm	Cr ppm	Cu ppm	Fe %	Ga ppm	Hg ppm	K %	La ppm	Mg %
759882	201	202	< 5	< 0.2	2.10	32	< 10	80	0.5	< 2	0.15	< 0.5	15	64	41	3.72	< 10	< 1	0.16	< 10	1.11
759883	201	202	5	0.2	1.73	68	< 10	80	< 0.5	< 2	0.10	< 0.5	11	72	41	3.40	10	< 1	0.23	< 10	0.82
759884	201	202	< 5	0.2	1.60	62	< 10	80	< 0.5	< 2	0.15	< 0.5	9	62	34	3.09	< 10	< 1	0.21	< 10	0.74
759885	201	202	< 5	< 0.2	2.20	28	< 10	70	0.5	< 2	0.13	< 0.5	17	66	47	3.86	10	< 1	0.11	< 10	1.13
759886	201	202	10	0.4	2.64	98	< 10	120	0.5	< 2	0.18	< 0.5	18	84	51	4.15	10	< 1	0.39	< 10	1.10
759888	201	202	65	0.6	4.26	80	< 10	190	0.5	< 2	0.55	2.5	32	21	236	6.44	10	< 1	0.67	< 10	1.52
759891	201	202	20	0.2	3.71	46	< 10	130	0.5	< 2	0.31	1.5	23	26	189	5.74	10	< 1	0.58	< 10	1.44
759892	201	202	60	0.2	3.70	84	< 10	200	0.5	< 2	0.47	1.0	27	22	224	5.46	10	< 1	0.96	< 10	1.56
759893	201	202	40	0.2	3.81	86	< 10	210	0.5	< 2	0.46	1.5	28	22	239	5.65	10	< 1	0.97	< 10	1.63
759894	201	202	55	0.2	4.16	100	< 10	260	0.5	< 2	0.51	1.5	34	23	299	6.32	10	< 1	1.15	< 10	1.82
759895	201	202	45	0.2	3.14	60	< 10	250	0.5	< 2	0.78	2.5	29	26	203	5.35	10	< 1	0.99	< 10	1.57
759896	201	202	20	0.2	3.37	120	< 10	260	0.5	< 2	0.75	2.0	30	37	144	5.43	10	< 1	0.58	< 10	1.41

CERTIFICATION: [signature]

ALS Chemex
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212 Brooksbank Ave., North Vancouver
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PHONE: 604-984-0221 FAX: 604-984-0218

To: KENNEDY, DAVID **

5596 NUTHATCH PL.
NORTH VANCOUVER, BC
V7R 4R8

Project : POLY
Comments: ATTN: D. KENNEDY CC: D. MOLLOY

Certificate Date: 08-SEP-2000
Invoice No. : I0027936
P.O. Number : GEOFIN P
Account : SFG

CERTIFICATE OF ANALYSIS A0027936

SAMPLE	PREP CODE		Mn ppm	Mo ppm	Na %	Ni ppm	P ppm	Pb ppm	S %	Sb ppm	Sc ppm	Sr ppm	Ti %	Tl ppm	U ppm	V ppm	W ppm	Zn ppm
759882	201	202	1100	2	0.01	71	840	14	0.02	< 2	4	13	0.02	< 10	< 10	52	< 10	124
759883	201	202	615	1	0.01	53	920	14	0.06	< 2	3	13	0.06	< 10	< 10	62	< 10	80
759884	201	202	645	2	0.01	45	910	12	0.07	< 2	3	11	0.06	< 10	< 10	55	< 10	74
759885	201	202	1195	1	0.01	76	890	16	0.01	< 2	5	11	0.01	< 10	< 10	53	< 10	130
759886	201	202	1075	4	0.02	60	1010	16	0.04	< 2	6	17	0.10	< 10	< 10	78	< 10	112
759888	201	202	1785	4	0.06	22	1430	28	0.07	< 2	10	40	0.18	< 10	< 10	155	< 10	398
759891	201	202	1170	5	0.03	21	1450	18	0.06	< 2	9	23	0.16	< 10	< 10	162	< 10	178
759892	201	202	1540	6	0.04	23	1560	20	0.05	< 2	10	35	0.18	< 10	< 10	159	< 10	242
759893	201	202	1575	6	0.04	22	1510	24	0.04	< 2	10	35	0.19	< 10	< 10	163	< 10	256
759894	201	202	2240	7	0.04	27	1600	28	0.02	< 2	12	42	0.21	< 10	< 10	175	< 10	302
759895	201	202	1310	8	0.04	32	1540	24	0.06	< 2	10	44	0.16	< 10	< 10	142	< 10	256
759896	201	202	2990	5	0.03	43	1390	40	0.05	< 2	8	52	0.13	< 10	< 10	127	< 10	252

CERTIFICATION:

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To: KENNEDY, DAVID

5596 NUTHATCH PL.
NORTH VANCOUVER, BC
V7R 4R8

Project : POLY
Comments: ATTN: D. KENNEDY CC: D. MOLLOY

Certificate Date: 12-SEP-2000
Invoice No. : I0027934
P.O. Number : GEOFIN P
Account : SFG

CERTIFICATE OF ANALYSIS A0027934

SAMPLE	PREP CODE		Au ppb FA+AA	Au FA g/t	Ag ppm	Al %	As ppm	B ppm	Ba ppm	Be ppm	Bi ppm	Ca %	Cd ppm	Co ppm	Cr ppm	Cu ppm	Fe %	Ga ppm	Hg ppm	K %	La ppm
686751	205	226	>10000	33.22	>100.0	< 0.01	>10000	< 10	10	0.5	142	0.01	153.5	< 1	58	>10000	>15.00	< 10	< 1	0.04	< 10
686752	205	226	>10000	9.93	41.2	0.07	>10000	< 10	10	0.5	2	0.47	4.0	10	107	251	11.65	10	< 1	0.12	< 10
686755	205	226	55	-----	17.6	3.13	52	< 10	240	0.5	< 2	1.07	< 0.5	28	27	192	5.52	10	< 1	1.40	< 10
686782	205	226	110	-----	2.6	1.57	530	< 10	40	0.5	< 2	2.09	0.5	23	13	327	5.57	< 10	< 1	0.75	< 10
759856	205	226	15	-----	1.6	2.63	8	< 10	280	0.5	< 2	0.92	< 0.5	24	15	149	4.42	< 10	< 1	1.47	< 10
759957	205	226	10	-----	0.8	4.75	8	< 10	130	0.5	< 2	2.61	< 0.5	27	21	215	4.84	10	< 1	0.93	< 10
759968	205	226	20	-----	1.6	2.18	8	< 10	50	0.5	< 2	1.46	< 0.5	31	25	262	4.97	< 10	< 1	0.43	< 10
759983	205	226	20	-----	1.4	4.21	4	< 10	180	0.5	< 2	1.84	< 0.5	23	27	184	5.40	10	< 1	2.30	< 10

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CERTIFICATE OF ANALYSIS A0027934

SAMPLE	PREP CODE		Mg %	Mn ppm	Mo ppm	Na %	Ni ppm	P ppm	Pb ppm	S %	Sb ppm	Sc ppm	Sr ppm	Ti %	Tl ppm	U ppm	V ppm	W ppm	Zn ppm
686751	205	226	0.01	20	< 1	< 0.01	5	290	4570	>5.00	9700	< 1	10	< 0.01	< 10	< 10	2	10	>10000
686752	205	226	0.39	>10000	< 1	< 0.01	10	360	166	4.29	84	4	61	< 0.01	< 10	< 10	10	< 10	404
686755	205	226	1.71	650	1	0.14	16	1730	22	1.03	26	7	70	0.22	< 10	< 10	184	< 10	170
686782	205	226	0.84	950	< 1	0.07	5	2070	8	2.07	8	5	87	0.06	< 10	< 10	68	< 10	140
759856	205	226	1.54	635	9	0.13	13	1510	4	0.54	6	4	65	0.22	< 10	< 10	138	< 10	106
759957	205	226	1.40	775	7	0.43	16	1290	4	1.28	< 2	3	267	0.15	< 10	< 10	128	60	138
759968	205	226	0.66	530	7	0.27	17	1520	4	2.13	2	3	75	0.14	< 10	< 10	87	< 10	82
759983	205	226	2.14	1380	3	0.30	10	1810	8	1.03	2	13	100	0.30	< 10	< 10	191	< 10	208

CERTIFICATION: [signature]

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To: KENNEDY, DAVID

5596 NUTHATCH PL.
NORTH VANCOUVER, BC
V7R 4R8

Project : POLY
Comments: ATTN: D. KENNEDY CC: D. MOLLOY

Certificate Date: 13-SEP-2000
Invoice No. : I0027932
P.O. Number : GEOFIN P
Account : SFG

CERTIFICATE OF ANALYSIS A0027932

SAMPLE	PREP CODE		Au ppb FA+AA	Ag ppm	Al %	As ppm	B ppm	Ba ppm	Be ppm	Bi ppm	Ca %	Cd ppm	Co ppm	Cr ppm	Cu ppm	Fe %	Ga ppm	Hg ppm	K %	La ppm	Mg %
686785	201	202	235	2.4	1.61	134	< 10	60	0.5	6	2.69	2.5	29	27	127	5.42	< 10	< 1	0.10	< 10	1.29
759868	201	202	65	2.4	3.95	246	< 10	230	2.0	< 2	1.26	2.5	30	46	107	6.03	10	< 1	0.59	< 10	1.45
759872	201	202	100	1.6	3.47	186	< 10	200	1.5	< 2	1.08	1.5	22	36	90	5.31	10	< 1	0.55	< 10	1.27
759875	201	202	685	1.2	1.53	166	< 10	60	0.5	8	2.50	2.5	33	25	173	6.04	< 10	< 1	0.09	< 10	1.23
759878	201	202	20	0.6	3.21	172	< 10	180	2.0	< 2	0.36	0.5	32	111	66	5.08	10	< 1	0.52	< 10	1.34

CERTIFICATION: [signature]

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To: KENNEDY, DAVID

5596 NUTHATCH PL.
NORTH VANCOUVER, BC
V7R 4R8

Project : POLY
Comments: ATTN: D. KENNEDY CC: D. MOLLOY

Page Number : 1-B
Total Pages : 1
Certificate Date: 13-SEP-2000
Invoice No. : I0027932
P.O. Number : GEOFIN P
Account : SFG

CERTIFICATE OF ANALYSIS A0027932

SAMPLE	PREP CODE		Mn ppm	Mo ppm	Na %	Ni ppm	P ppm	Pb ppm	S %	Sb ppm	Sc ppm	Sr ppm	Ti %	Tl ppm	U ppm	V ppm	W ppm	Zn ppm
686785	201	202	720	5	0.01	68	1060	110	2.39	8	4	124	0.03	< 10	< 10	49	< 10	216
759868	201	202	2030	3	0.09	64	1350	48	0.08	4	8	106	0.15	< 10	< 10	104	< 10	284
759872	201	202	1505	3	0.09	44	1360	40	0.06	6	7	92	0.13	< 10	< 10	93	< 10	220
759875	201	202	685	8	0.01	74	1080	104	3.18	< 2	4	113	0.03	< 10	< 10	48	< 10	250
759878	201	202	1365	3	0.03	108	1060	22	0.07	2	8	33	0.14	< 10	< 10	89	< 10	162

CERTIFICATION:

ALS Chemex
Aurora Laboratory Services Ltd.
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PHONE: 604-984-0221 FAX: 604-984-0218

To: KENNEDY, DAVID

5596 NUTHATCH PL.
NORTH VANCOUVER, BC
V7R 4R8

Project : POLY
Comments: ATTN: D. KENNEDY CC: D. MOLLOY

Certificate Date: 13-SEP-2000
Invoice No. : I0028641
P.O. Number : GEOFIN P
Account : SFG

CERTIFICATE OF ANALYSIS A0028641

SAMPLE	PREP CODE		Ag FA g/t	Cu %	Zn %
686751	212	--	>3500	1.42	1.19

CERTIFICATION: [signature]

OVERLIMITS from A0027934

ALS Chemex
Aurora Laboratory Services Ltd.
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PHONE: 604-984-0221 FAX: 604-984-0218

To: KENNEDY, DAVID

5596 NUTHATCH PL.
NORTH VANCOUVER, BC
V7R 4R8

Project : POLY
Comments: ATTN: D. KENNEDY CC: D. MOLLOY

Certificate Date: 15-SEP-2000
Invoice No. : 10028972
P.O. Number : GEOFIN P
Account : SFG

CERTIFICATE OF ANALYSIS A0028972

SAMPLE	PREP CODE		Ag con g/t									
686751	212	--	5894.9									

CERTIFICATION: [signature]

OVERLIMITS from A0028641

ALS Chemex

Aurora Laboratory Services Ltd.
Analytical Chemists * Geochemists * Registered Assayers
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PHONE: 604-984-0221 FAX: 604-984-0218

To: KENNEDY, DAVID

5596 NUTHATCH PL.
NORTH VANCOUVER, BC
V7R 4R8

Project : POLY
Comments: ATTN: D. KENNEDY CC: D. MOLLOY

Certificate Date: 12-OCT-2000
Invoice No. :10030536
P.O. Number :GEOFIN P
Account :SFG

CERTIFICATE OF ANALYSIS A0030536

SAMPLE	PREP CODE		Au ppb FA+AA	Ag ppm	Al %	As ppm	B ppm	Ba ppm	Be ppm	Bi ppm	Ca %	Cd ppm	Co ppm	Cr ppm	Cu ppm	Fe %	Ga ppm	Hg ppm	K %	La ppm	Mg %
686789	205	226	< 5	< 0.2	2.85	10	< 10	250	2.0	< 2	1.12	< 0.5	22	12	118	5.02	< 10	1	1.56	< 10	1.98
686794	205	226	< 5	0.2	5.12	14	< 10	140	2.0	< 2	2.85	< 0.5	14	27	134	2.97	10	< 1	0.67	< 10	0.72
759861	214	229	995	2.8	3.58	150	< 10	< 10	0.5	< 2	3.66	0.5	211	21	8220	10.80	< 10	< 1	0.03	< 10	2.22
759862	214	229	55	2.6	2.96	14	40	< 10	1.0	< 2	1.85	0.5	184	253	6120	8.38	< 10	< 1	0.01	< 10	2.83
759867	205	226	< 5	< 0.2	1.92	18	< 10	10	1.5	< 2	0.70	< 0.5	16	27	22	5.51	< 10	< 1	0.91	< 10	1.44
759876	205	226	< 5	0.8	1.13	40	< 10	30	1.0	< 2	1.53	0.5	17	17	25	5.11	< 10	< 1	0.42	< 10	0.75
759887	205	226	30	0.4	3.84	8	< 10	90	2.0	4	2.27	3.5	24	33	208	5.68	< 10	< 1	1.22	< 10	1.69
759889	205	226	< 5	0.8	2.93	18	< 10	190	1.5	< 2	1.66	< 0.5	8	131	106	1.97	< 10	< 1	0.50	< 10	0.59
759890	205	226	25	0.6	3.52	8	< 10	70	2.0	< 2	1.87	< 0.5	34	19	400	5.35	< 10	< 1	0.81	< 10	1.10
759946	205	226	30	0.2	2.60	6	< 10	60	2.0	2	1.53	< 0.5	29	23	212	6.45	< 10	< 1	1.12	< 10	1.33
759947	205	226	< 5	< 0.2	3.46	2	< 10	90	2.0	< 2	1.91	< 0.5	28	22	243	5.09	< 10	< 1	0.89	< 10	1.22
759948	205	226	< 5	< 0.2	1.31	10	< 10	60	1.0	< 2	2.09	6.0	10	55	87	2.31	< 10	< 1	0.41	< 10	0.40
759951	205	226	135	0.2	1.76	6	< 10	40	1.5	20	2.37	< 0.5	28	43	306	5.58	< 10	< 1	0.91	< 10	1.14
759961	205	226	85	0.6	2.76	16	< 10	70	2.0	4	1.34	0.5	27	79	311	5.75	< 10	< 1	1.15	< 10	1.22
759963	205	226	< 5	< 0.2	1.44	8	< 10	250	1.5	< 2	0.73	< 0.5	14	38	107	2.60	< 10	< 1	0.71	< 10	0.72
759976	205	226	< 5	0.8	1.36	4	< 10	60	0.5	< 2	6.23	0.5	20	9	54	4.53	< 10	< 1	0.76	< 10	0.58
759985	205	226	20	< 0.2	4.18	10	< 10	70	2.0	< 2	1.83	< 0.5	28	33	222	6.67	10	< 1	1.07	< 10	1.28
759987	205	226	< 5	< 0.2	1.76	10	< 10	50	1.0	< 2	1.21	< 0.5	14	54	103	2.38	< 10	< 1	0.23	< 10	0.32
759989	205	226	35	1.4	3.46	8	< 10	70	2.0	< 2	5.07	7.5	36	16	490	5.70	< 10	< 1	1.28	< 10	1.14
759994	205	226	< 5	< 0.2	3.46	6	< 10	440	2.0	< 2	1.23	0.5	21	17	139	4.36	< 10	< 1	1.67	< 10	1.60
759999	205	226	30	0.2	2.51	6	< 10	110	1.5	4	1.66	< 0.5	29	26	270	4.96	< 10	< 1	0.79	< 10	1.19

CERTIFICATION:

ALS Chemex
Aurora Laboratory Services Ltd.
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212 Brooksbank Ave., North Vancouver
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To: KENNEDY, DAVID

5596 NUTHATCH PL.
NORTH VANCOUVER, BC
V7R 4R8

Project : POLY
Comments: ATTN: D. KENNEDY CC: D. MOLLOY

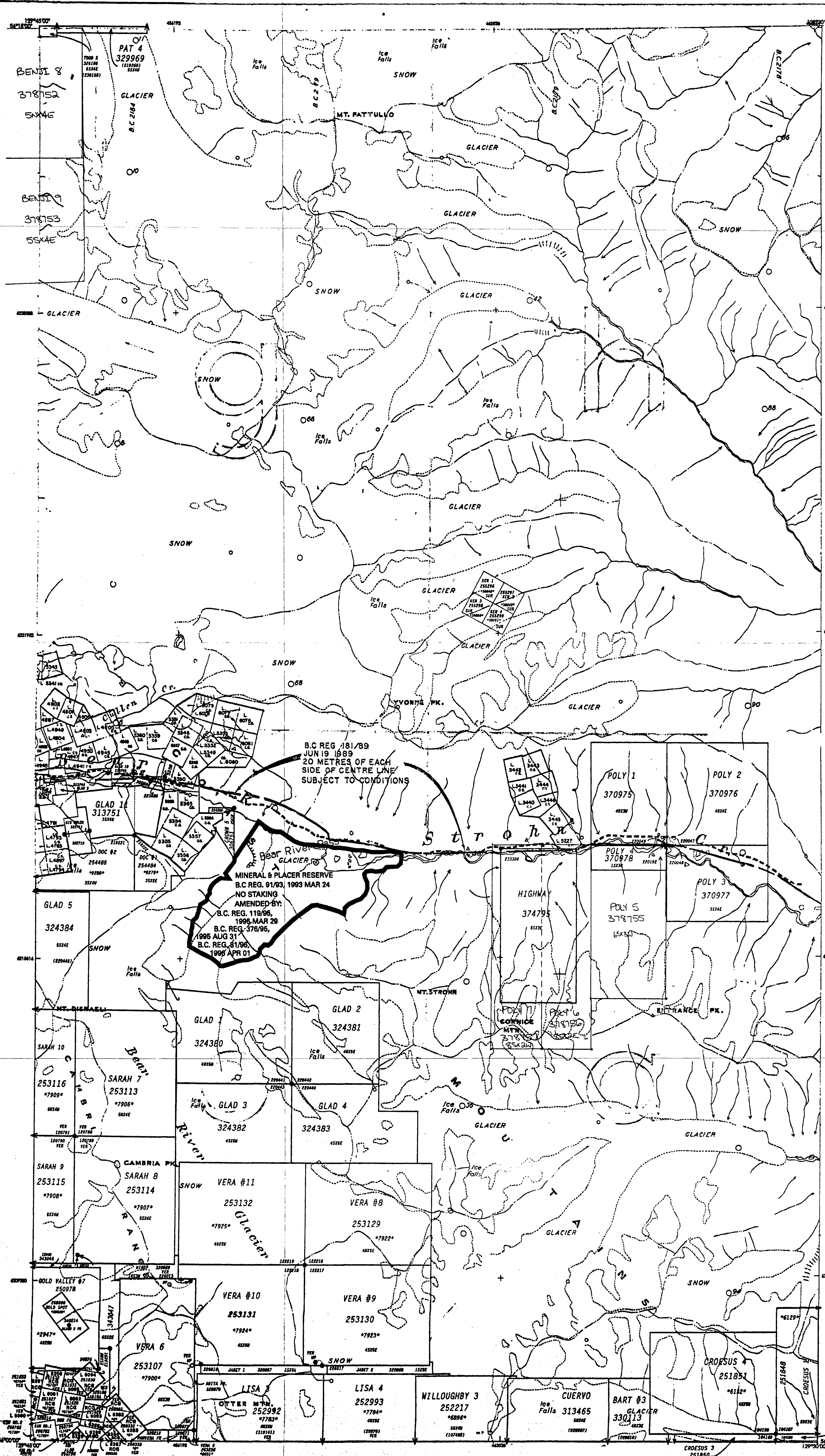
Certificate Date: 12-OCT-2000
Invoice No. : I0030536
P.O. Number : GEOFIN P
Account : SFG

CERTIFICATE OF ANALYSIS A0030536

SAMPLE	PREP CODE		Mn ppm	Mo ppm	Na %	Ni ppm	P ppm	Pb ppm	S %	Sb ppm	Sc ppm	Sr ppm	Ti %	Tl ppm	U ppm	V ppm	W ppm	Zn ppm
686789	205	226	965	1	0.13	14	1570	10	0.47	< 2	4	45	0.23	< 10	< 10	155	< 10	144
686794	205	226	495	16	0.51	5	1440	16	0.92	< 2	9	302	0.14	< 10	< 10	109	< 10	50
759861	214	229	1715	1	0.05	83	140	18	2.70	< 2	7	7	0.03	< 10	< 10	52	< 10	144
759862	214	229	245	1	0.01	2690	490	20	2.65	< 2	1	15	0.11	< 10	< 10	41	< 10	78
759867	205	226	825	1	0.14	6	1500	20	3.63	< 2	11	29	0.15	< 10	< 10	146	< 10	62
759876	205	226	750	1	0.11	5	1480	116	3.62	8	4	61	0.10	< 10	< 10	65	< 10	180
759887	205	226	1015	5	0.33	17	1940	18	1.61	< 2	10	100	0.22	< 10	< 10	169	< 10	266
759889	205	226	170	4	0.23	15	260	10	0.61	< 2	8	42	0.08	< 10	< 10	46	< 10	34
759890	205	226	635	4	0.46	8	2240	14	2.23	< 2	7	86	0.19	< 10	< 10	132	< 10	108
759946	205	226	740	1	0.19	17	1660	12	1.77	< 2	8	52	0.22	< 10	< 10	193	< 10	154
759947	205	226	610	3	0.38	16	1660	18	1.51	< 2	4	139	0.21	< 10	< 10	136	< 10	104
759948	205	226	335	8	0.19	20	820	12	0.59	< 2	4	51	0.14	< 10	< 10	47	< 10	372
759951	205	226	815	46	0.12	11	1150	16	1.84	< 2	4	83	0.18	< 10	< 10	111	360	104
759961	205	226	815	3	0.20	14	1290	16	1.46	< 2	10	55	0.21	< 10	< 10	127	< 10	104
759963	205	226	300	< 1	0.14	13	1630	6	0.29	< 2	9	63	0.20	< 10	< 10	155	< 10	44
759976	205	226	1285	< 1	0.06	7	1450	12	2.11	< 2	3	116	0.05	< 10	< 10	30	< 10	78
759985	205	226	875	1	0.44	18	1780	22	1.77	< 2	10	74	0.20	< 10	< 10	193	< 10	126
759987	205	226	255	22	0.31	29	1080	14	0.88	2	1	72	0.13	< 10	< 10	42	< 10	52
759989	205	226	1140	2	0.38	10	2180	30	2.18	6	15	68	0.20	< 10	< 10	201	< 10	764
759994	205	226	655	1	0.27	12	1750	6	0.10	< 2	3	168	0.24	< 10	< 10	148	< 10	98
759999	205	226	525	24	0.25	20	1190	16	1.52	< 2	5	106	0.18	< 10	< 10	146	20	108

CERTIFICATION:

POCKET A



BRITISH COLUMBIA

MINISTRY OF ENERGY AND MINES

ENERGY AND MINERALS DIVISIO

MINERAL TITLES BRANCH

MINERAL TITLES REFERENCE

MAP 104A04E

U.T.M. ZONE 9

LAST MAP UPDATE: 2000 MAY 23

ORIGINAL PRODUCED AT 1 : 31 680

METRES

500 0 500 1000 1500 2000

ADMINISTRATIVE AREAS

MINING DIVISIONS: SKEENA

LAND DISTRICTS:

ALIENATIONS

NO STAKING AREAS

NO STAKING RESERVES

PARKS

ECOLOGICAL RESERVES

RECREATION AREAS

INDIAN RESERVES

CONDITIONAL AREAS

SUBJECT TO CONDITIONS RESERVES

SECTION 19 RECREATION AREAS

AREAS SUBJECT TO URANIUM / THORIUM REGULATIONS

MINERAL CLAIM

MINERAL LEASE

INDUSTRIAL MINERAL CLAIM

CLAIM NAME — EXAMPLE

TITLE NUMBER

OLD TITLE NUMBER

TAG NUMBER

LEGAL POST

WITNESS POST

FORFEITED TENURE

VERIFIED

SURVEYED

REVERTED C.G. MINERAL CLAIM — REV CG OR RCG

CROWN GRANTED — CG

OPEN FOR STAKING

1 UNIT — 2 POST CLAIM — OLD 2 POST CLAIM

THIS MAP IS PREPARED ONLY AS A GUIDE TO THE LOCATION OF MINERAL TENURE AS AS SHOWN ON THE LOCATORS SKETCHES. FOR CURRENT OR MORE SPECIFIC INFORMATION, APPLICATION SHOULD BE MADE TO THE MINING DIVISION CONCERNED.

MAP 1

MINERAL TITLES

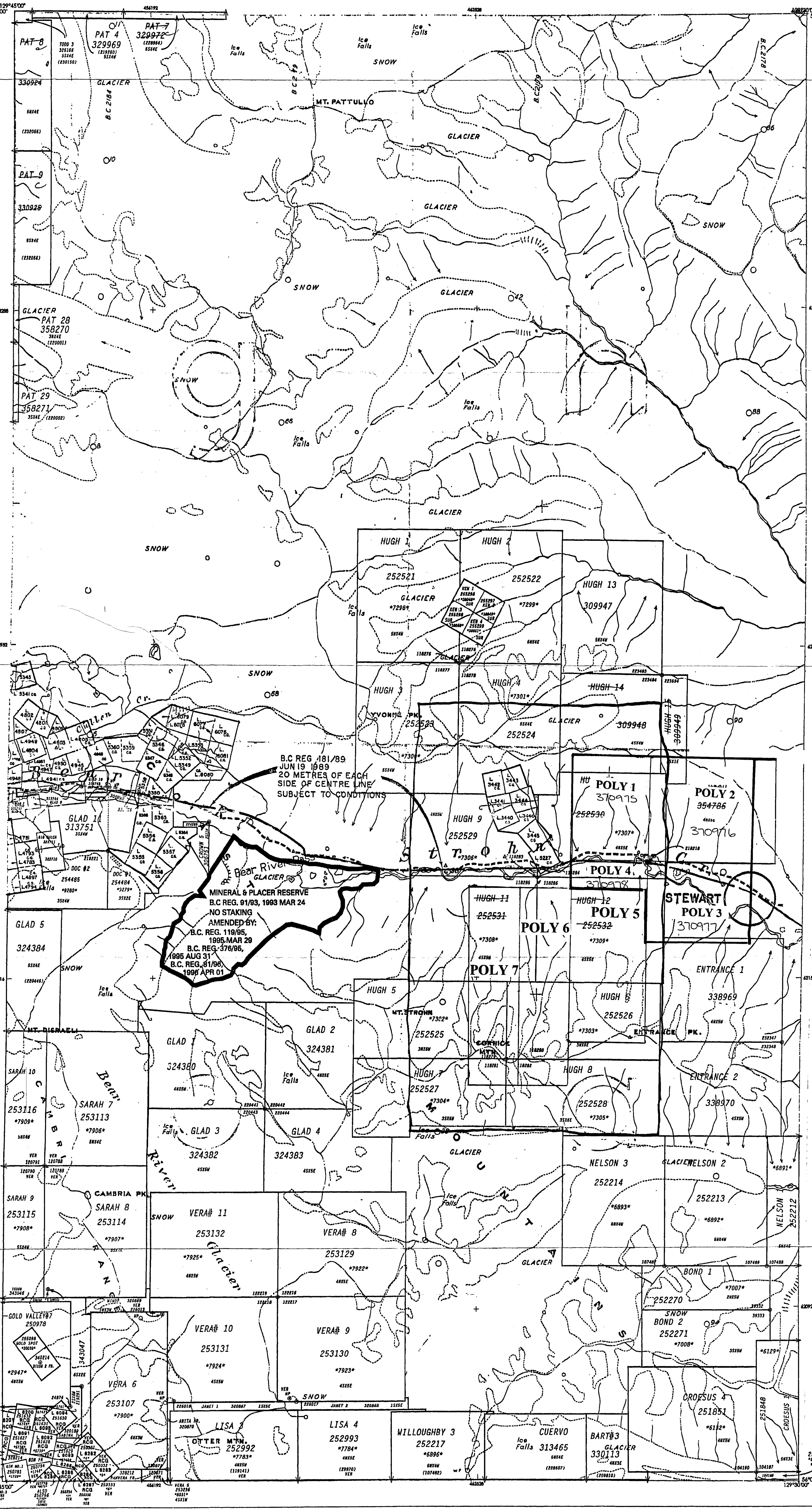
POLY PROPERTY

Scale 1:31,680

INDEX TO ADJOINING MAPS

M 104A04E

00-31 ①



BRITISH COLUMBIA

MINISTRY OF EMPLOYMENT AND INVESTMENT

ENERGY AND MINERALS DIVISION

MINERAL TITLES BRANCH

MINERAL TITLES REFERENCE

MAP 104A04E

U.T.M. ZONE 9

LAST MAP UPDATE: 1998 APR 09

ORIGINAL PRODUCED AT 1 : 31 680

METRES

500 0 500 1000 1500 2000

ADMINISTRATIVE AREAS

MINING DIVISIONS: SKEENA

LAND DISTRICTS:

ALIENATIONS

NO STAKING AREAS

NO STAKING RESERVES

PARKS

ECOLOGICAL RESERVES

RECREATION AREAS

INDIAN RESERVES

CONDITIONAL AREAS

SUBJECT TO CONDITIONS RESERVES

SECTION 19 RECREATION AREAS

1 POST CLAIM AREAS

AREAS SUBJECT TO URANIUM / THORIUM REGULATIONS

MINERAL TENURE

MINERAL CLAIM	
MINERAL LEASE	
INDUSTRIAL MINERAL CLAIM	
CLAIM NAME	EXAMPLE
TITLE NUMBER	345879
OLD TITLE NUMBER	*8468*
TAG NUMBER	100000
LEGAL POST	
WITNESS POST	WP
FORFEITED TENURE	
VERIFIED	VER
SURVEYED	SUR
REVERTED C.G. MINERAL CLAIM	REV CG OR RCG
CROWN GRANTED	C.G
OPEN FOR STAKING	O.F.S.

MAP 1:

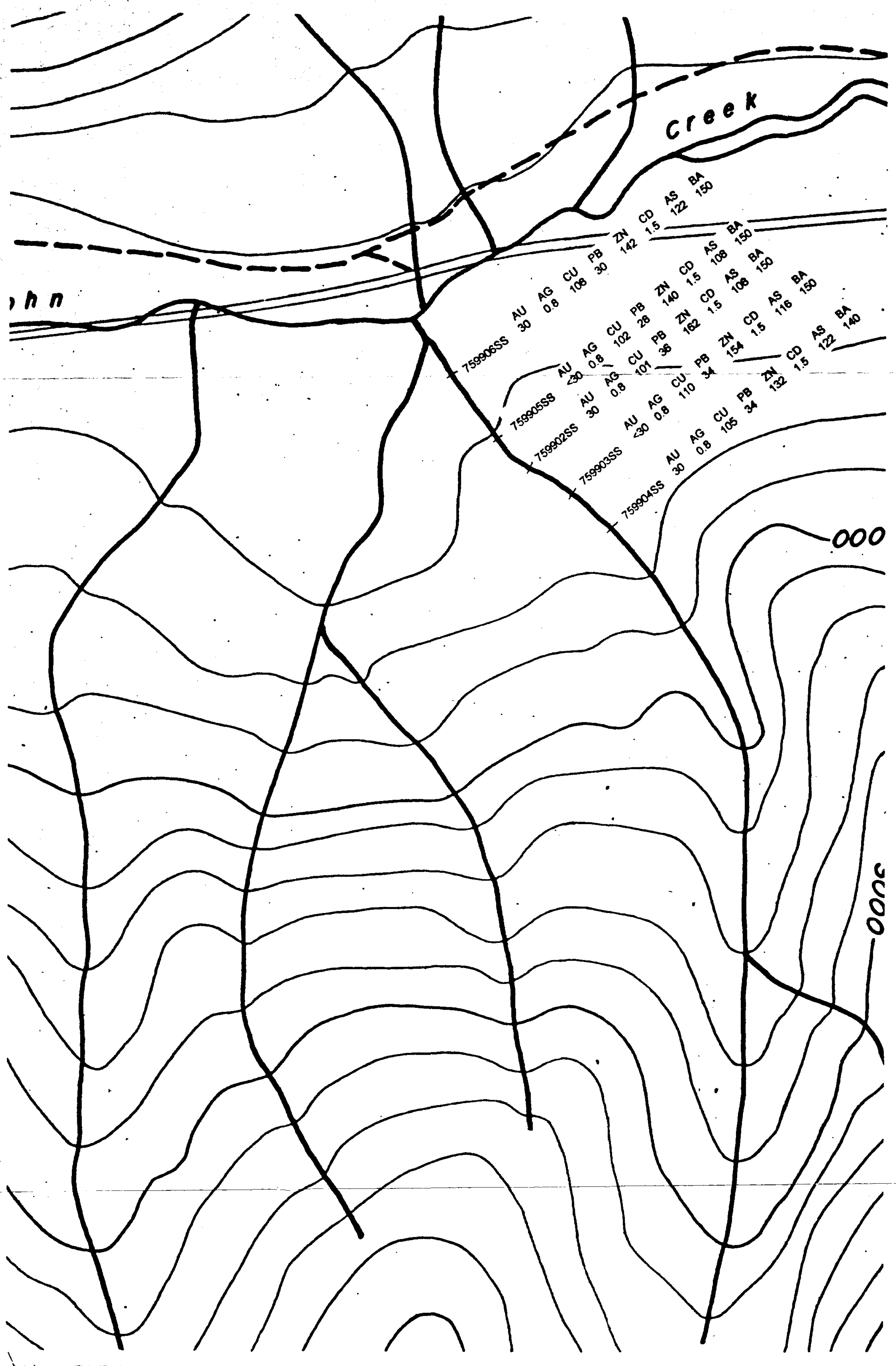
MINERAL TITLES MAP, POLY PROPERTY

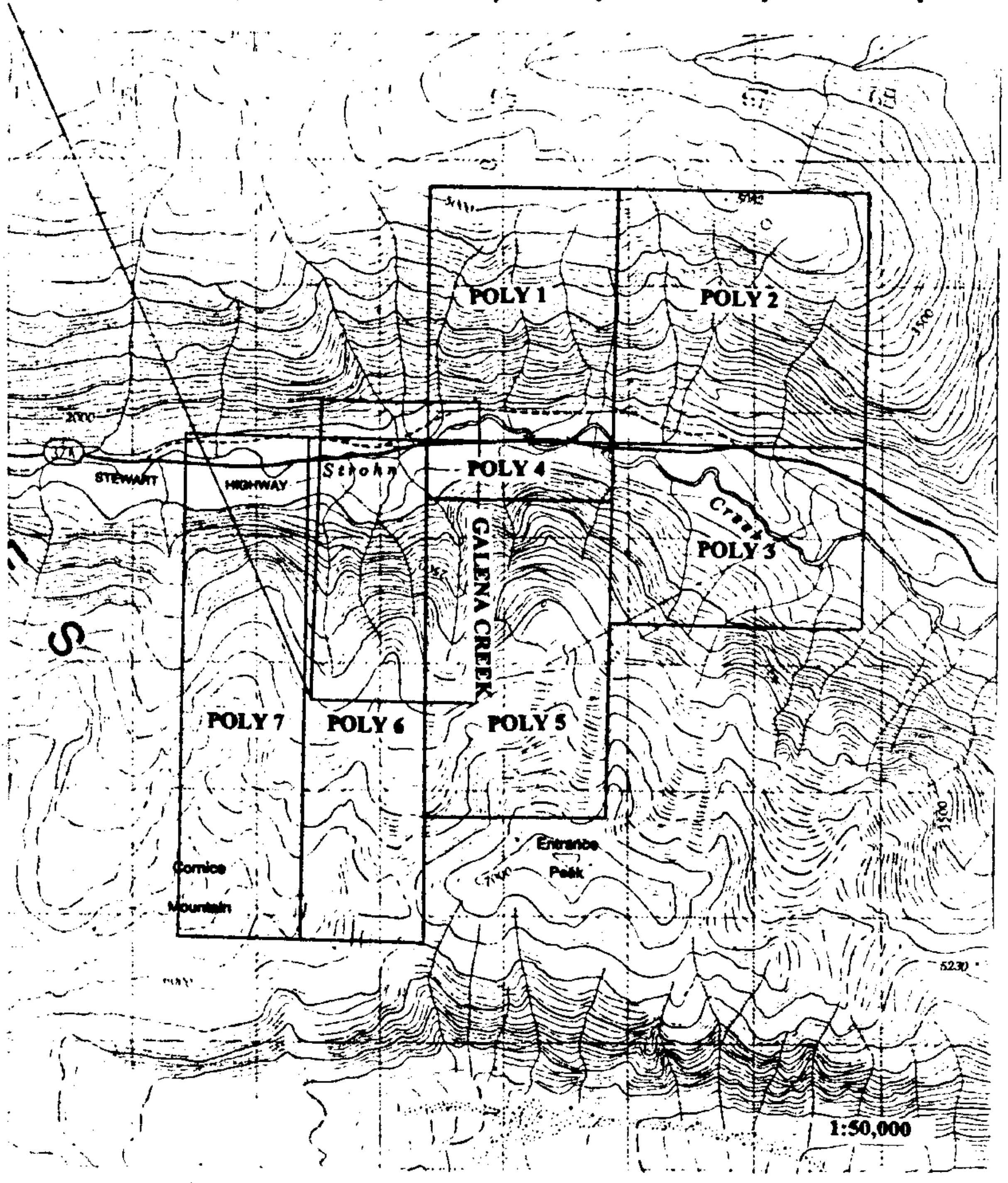
104A05W	104A05E	104A06W
104A04W	104A04E	104A03W
103P13W	103P13E	103P14W

INDEX TO ADJOINING MAPS

00-31
②

M 104A04E





ABBREVIATIONS

A	alder	mal	malachite
AM	alpine meadow	md	moraninal debris
ank	ankerite	Mn	mangnese
ba	barite	ms	semi massive sulfides
bl	bleached	ox	oxidized.
bldr	boulder	P	poplar
bo	bournite	py	pyritized
bt	boulder terrain	q carb	quartz carbonate
bx	brecciated	q vn	quartz vein
cal	calcite	sb	scrub brush
carb	carbonated	sd/gr	sand/gravel
ch	chloritized	ser	sericitized
cpy	chalcopyrite	sil	silicified
epi	epidotized	sp	spruce
F	ferns	spec	specularite
gn	galena	sph	sphalerite
hem	hematized	stwk	stockwork
hbl	hornblende	sulf	sulfidized
jar/al	jarosite/alunite	T	talus
lim	limonite	v	vein
m	massive		

SYMBOLS

- o 759911 rock sample number
- 759882 stream sediment sample
- × 759686 soil sample number

SS	stream sediment sample
SO	soil sample
OC	rock outcrop sample
RC	rock composite sample
RCH	rock chip sample
RP	rock panel sample
RP	rock panel sample
RS	rock subcrop sample
RT	rock talus sample
RTC	rock talus composite sample

- fault
- claim line
- stream and direction
- extent of surficial feature

POLY PROPERTY

MAP 2

GALENA CREEK SAMPLE RESULTS

Scale 1:10,000 **Oct. 2000**

00-31 (3)

POCKET B

ABBREVIATIONS

A	alder	mal	malachite
AM	alpine meadow	md	moraninal debris
ank	ankerite	Mn	mangnese
ba	barite	ms	semi massive sulfides
bl	bleached	ox	oxidized
bldr	boulder	P	poplar
bo	bournite	py	pyritized
bt	boulder terrain	q carb	quartz carbonate
bx	brecciated	q vn	quartz vein
cal	calcite	sb	scrub brush
carb	carbonated	sd/gr	sand/gravel
ch	chloritized	ser	sericitized
cpy	chalcopyrite	sil	silicified
epi	epidotized	sp	spruce
F	ferns	spec	specularite
gn	galena	sph	sphalerite
hem	hematized	stwk	stockwork
hbl	hornblende	sulf	sulfidized
jar/al	jarosite/alunite	T	talus
lim	limonite	v	vein
m	massive		

SYMBOLS

o	759911 rock sample number	
(stream symbol)	759882 stream sediment sample	
x	759686 soil sample number	
	SS	stream sediment sample
	SO	soil sample
	OC	rock outcrop sample
	RC	rock composite sample
	RCH	rock chip sample
	RP	rock panel sample
	RP	rock panel sample
	RS	rock subcrop sample
	RT	rock talus sample
	RTC	rock talus composite sample

~~	fault
— —	claim line
~→	stream and direction
⌒·⌒·	extent of surficial feature

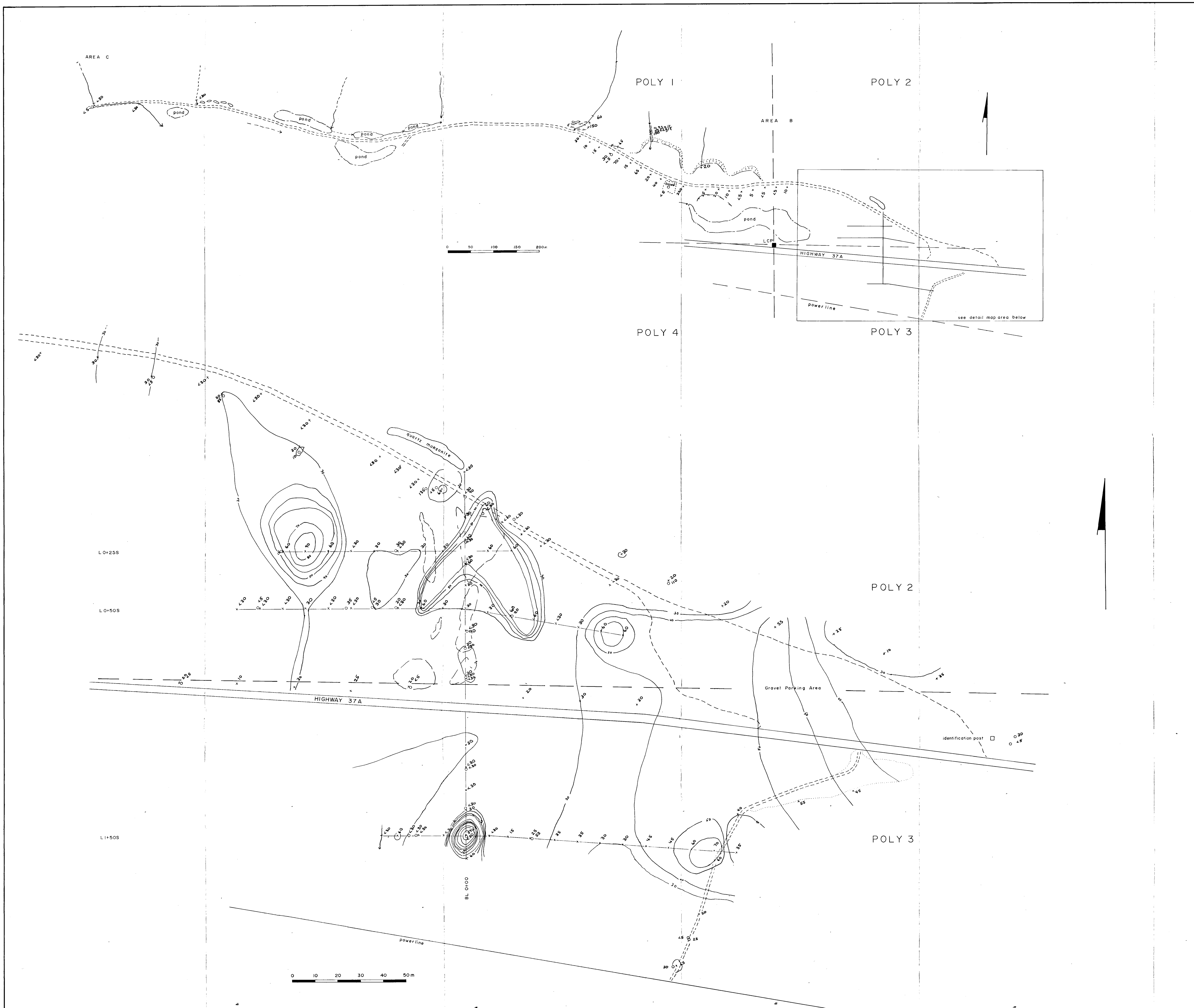
POLY PROPERTY

MAP 3

SAMPLE NUMBERS

Scales 1:2500 & 1:500 **Oct. 2000**

00-31 (4)



ABBREVIATIONS

A	alder	mal	malachite
AM	alpine meadow	md	moraninal debris
ank	ankerite	Mn	mangnese
ba	barite	ms	semi massive sulfides
bl	bleached	ox	oxidized
bldr	boulder	P	poplar
bo	bournite	py	pyritized
bt	boulder terrain	q carb	quartz carbonate
bx	brecciated	q vn	quartz vein
cal	calcite	sb	scrub brush
carb	carbonated	sd/gr	sand/gravel
ch	chloritized	ser	sericitized
cpy	chalcopyrite	sil	silicified
epi	epidotized	sp	spruce
F	ferns	spec	specularite
gn	galena	sph	sphalerite
hem	hematized	stwk	stockwork
hbl	hornblende	sulf	sulfidized
jar/al	jarosite/alunite	T	talus
lim	limonite	v	vein
m	massive		

SYMBOLS

759911 rock sample number
759882 stream sediment sample
759686 soil sample number
SS stream sediment sample
SO soil sample
OC rock outcrop sample
RC rock composite sample
RCH rock chip sample
RP rock panel sample
RP rock panel sample
RS rock subcrop sample
RT rock talus sample
RTC rock talus composite sample

fault
claim line
stream and direction
extent of surficial feature

POLY PROPERTY

MAP 4

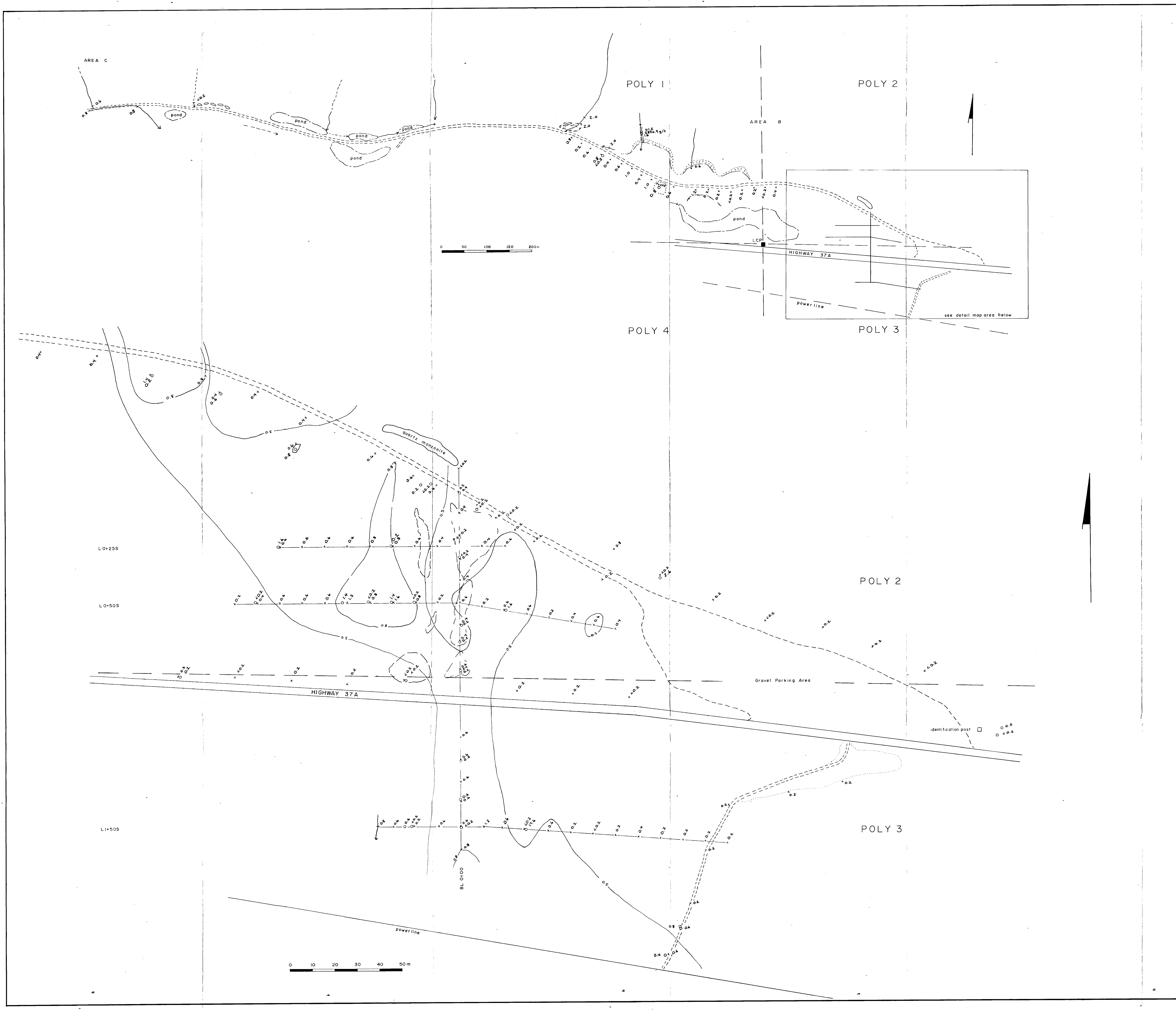
SOIL, ROCK AND STREAM SEDIMENT RESULTS

GOLD VALUES IN PPB
(CONTOURS REFER TO SOIL VALUES ONLY)

Scales 1:2500 & 1:500 **Oct. 2000**

00-31 (5)

POCKET C



ABBREVIATIONS

A	alder	mal	malachite
AM	alpine meadow	md	moraninal debris
ank	ankerite	Mn	mangnese
ba	barite	ms	semi massive sulfides
bl	bleached	ox	oxidized
bldr	boulder	P	poplar
bo	bournite	py	pyritized
bt	boulder terrain	q carb	quartz carbonate
bx	brecciated	q vn	quartz vein
cal	calcite	sb	scrub brush
carb	carbonated	sd/gr	sand/gravel
ch	chloritized	ser	sericitized
cpy	chalcopyrite	sil	silicified
epi	epidotized	sp	spruce
F	ferns	spec	specularite
gn	galena	sph	sphalerite
hem	hematized	stwk	stockwork
hbl	hornblende	sulf	sulfidized
jar/al	jarosite/alunite	T	talus
lim	limonite	v	vein
m	massive		

SYMBOLS

759911 rock sample number
759882 stream sediment sample
759686 soil sample number

SS	stream sediment sample
SO	soil sample
OC	rock outcrop sample
RC	rock composite sample
RCH	rock chip sample
RP	rock panel sample
RP	rock panel sample
RS	rock subcrop sample
RT	rock talus sample
RTC	rock talus composite sample.

fault
claim line
stream and direction
extent of surficial feature

POLY PROPERTY

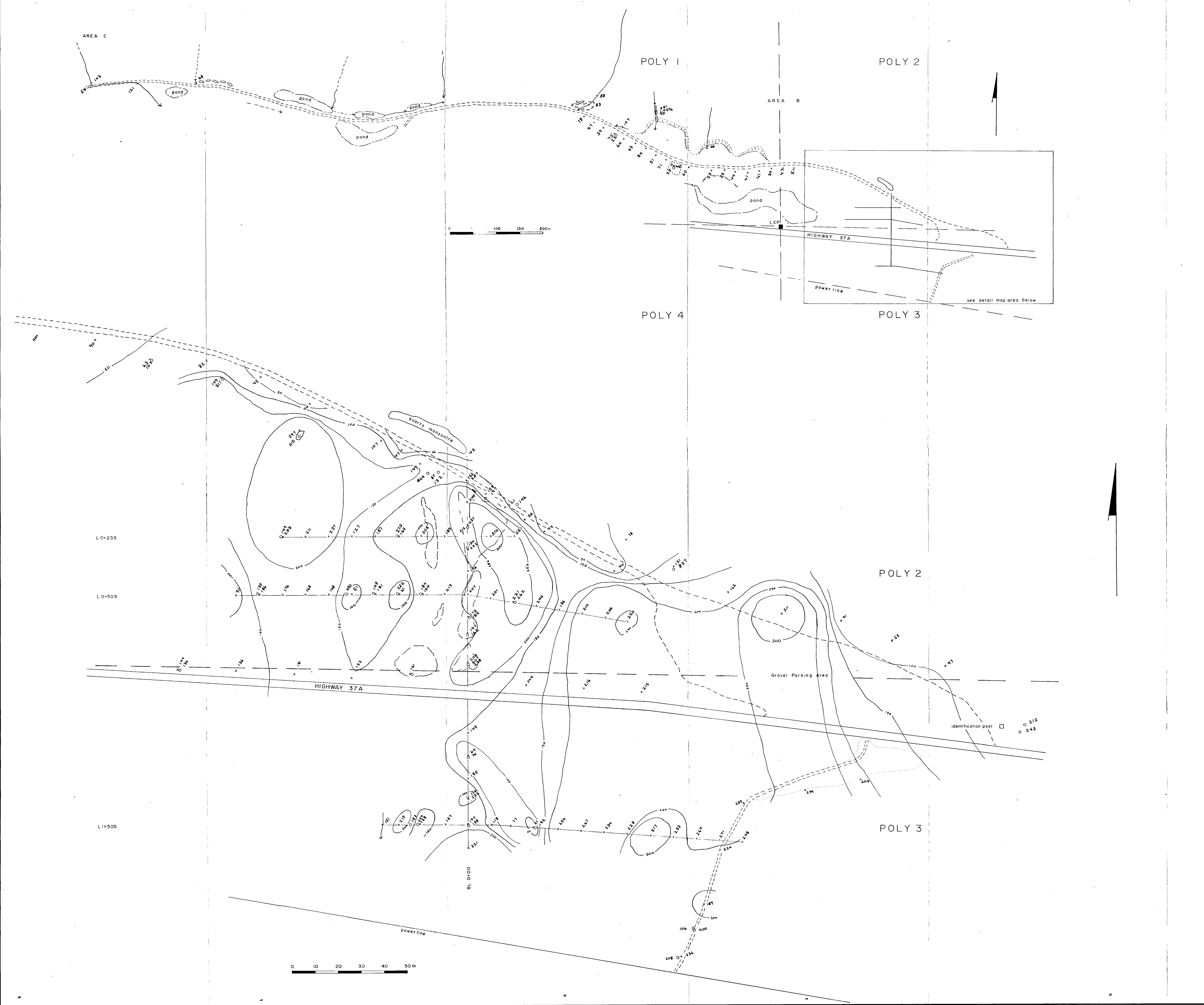
MAP 5

SOIL, ROCK AND STREAM SEDIMENT RESULTS

SILVER VALUES IN PPM
(CONTOURS REFER TO SOIL VALUES ONLY)

Scales 1:2500 & 1:500 Oct. 2000

00-31 (6)



ABBREVIATIONS

		mal	malachite
A	alder	md	moraninal debris
AM	alpine meadow	Mn	mangnese
ank	ankerite	ms	semi massive sulfides
ba	barite	ox	oxidized
bl	bleached	P	poplar
bldr	boulder	py	pyritized
bo	bournite	q carb	quartz carbonate
bt	boulder terrain	q vn	quartz vein
bx	brecciated	sb	scrub brush
cal	calcite	sd/gr	sand/gravel
carb	carbonated	ser	sericitized
ch	chloritized	sil	silicified
cpy	chalcopyrite	sp	spruce
epi	epidotized	spec	specularite
F	ferns	sph	sphalerite
gn	galena	stwk	stockwork
hem	hematized	sulf	sulfidized
hbl	hornblende	T	talus
jar/al	jarosite/alunite	v	vein
lim	limonite		
m	massive		

SYMBOLS

o	759911	rock sample number
	759882	stream sediment sample
x	759686	soil sample number
	SS	stream sediment sample
	SO	soil sample
	OC	rock outcrop sample
	RC	rock composite sample
	RCH	rock chip sample
	RP	rock panel sample
	RP	rock panel sample
	RS	rock subcrop sample
	RT	rock talus sample
	RTC	rock talus composite sample

∼∼	fault
— —	claim line
	stream and direction
	extent of surficial feature

POLY PROPERTY

MAP 6

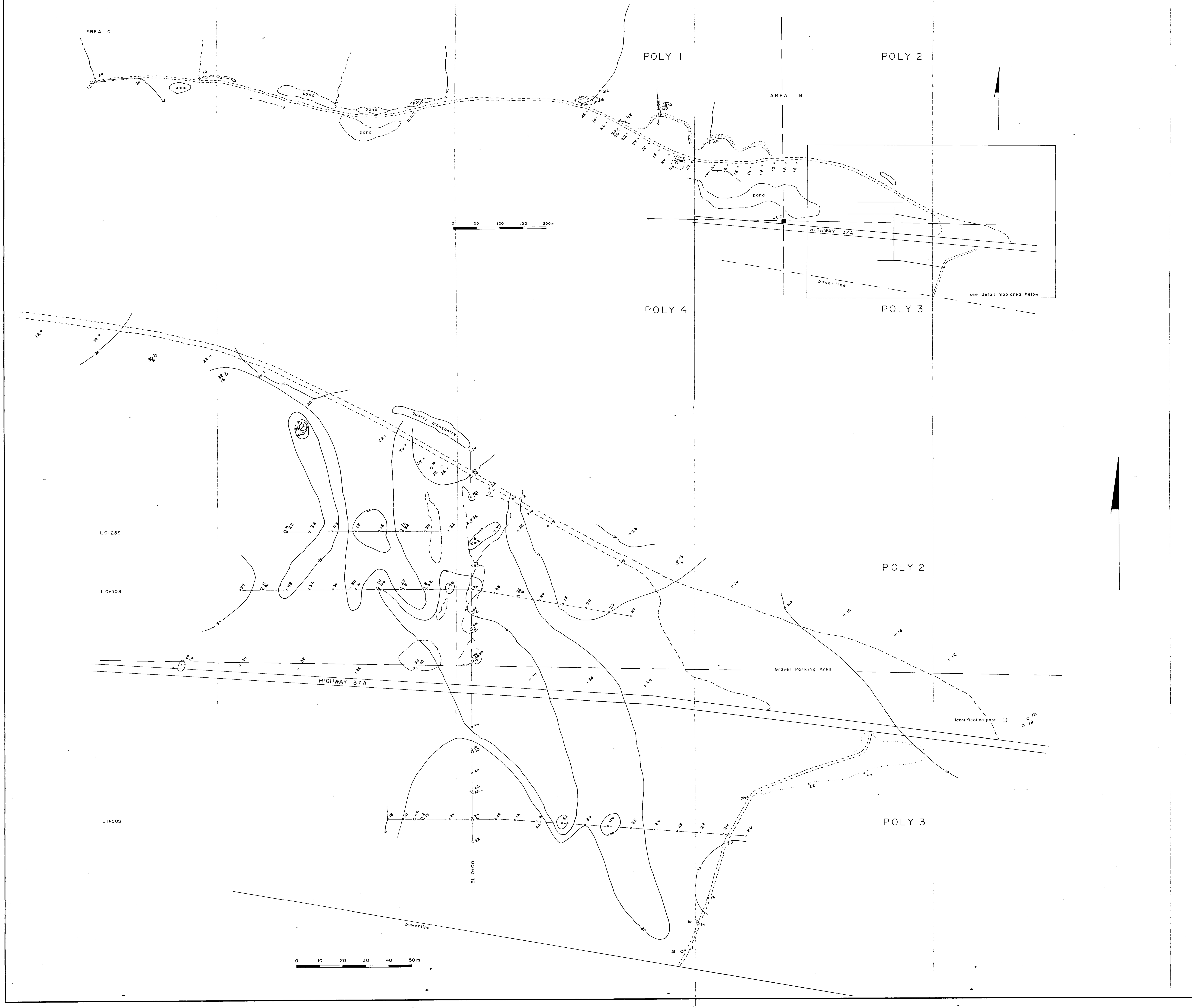
SOIL, ROCK AND STREAM SEDIMENT RESULTS

COPPER VALUES IN PPM
(CONTOURS REFER TO SOIL VALUES ONLY)

Scales 1:2500 & 1:500 **Oct. 2000**

00-31 (7)

POCKET D



ABBREVIATIONS

A	alder	mal	malachite
AM	alpine meadow	md	moraninal debris
ank	ankerite	Mn	mangnese
ba	barite	ms	semi massive sulfides
bl	bleached	ox	oxidized
bldr	boulder	P	poplar
bo	bournite	py	pyritized
bt	boulder terrain	q carb	quartz carbonate
bx	brecciated	q vn	quartz vein
cal	calcite	sb	scrub brush
carb	carbonated	sd/gr	sand/gravel
ch	chloritized	ser	sericitized
cpy	chalcopyrite	sil	silicified
epi	epidotized	sp	spruce
F	ferns	spec	specularite
gn	galena	sph	sphalerite
hem	hematized	stwk	stockwork
hbl	hornblende	sulf	sulfidized
jar/al	jarosite/alunite	T	talus
lim	limonite	v	vein
m	massive		

SYMBOLS

759911 rock sample number
759882 stream sediment sample
759686 soil sample number

SS	stream sediment sample
SO	soil sample
OC	rock outcrop sample
RC	rock composite sample
RCH	rock chip sample
RP	rock panel sample
RP	rock panel sample
RS	rock subcrop sample
RT	rock talus sample
RTC	rock talus composite sample

fault
claim line
stream and direction
extent of surficial feature

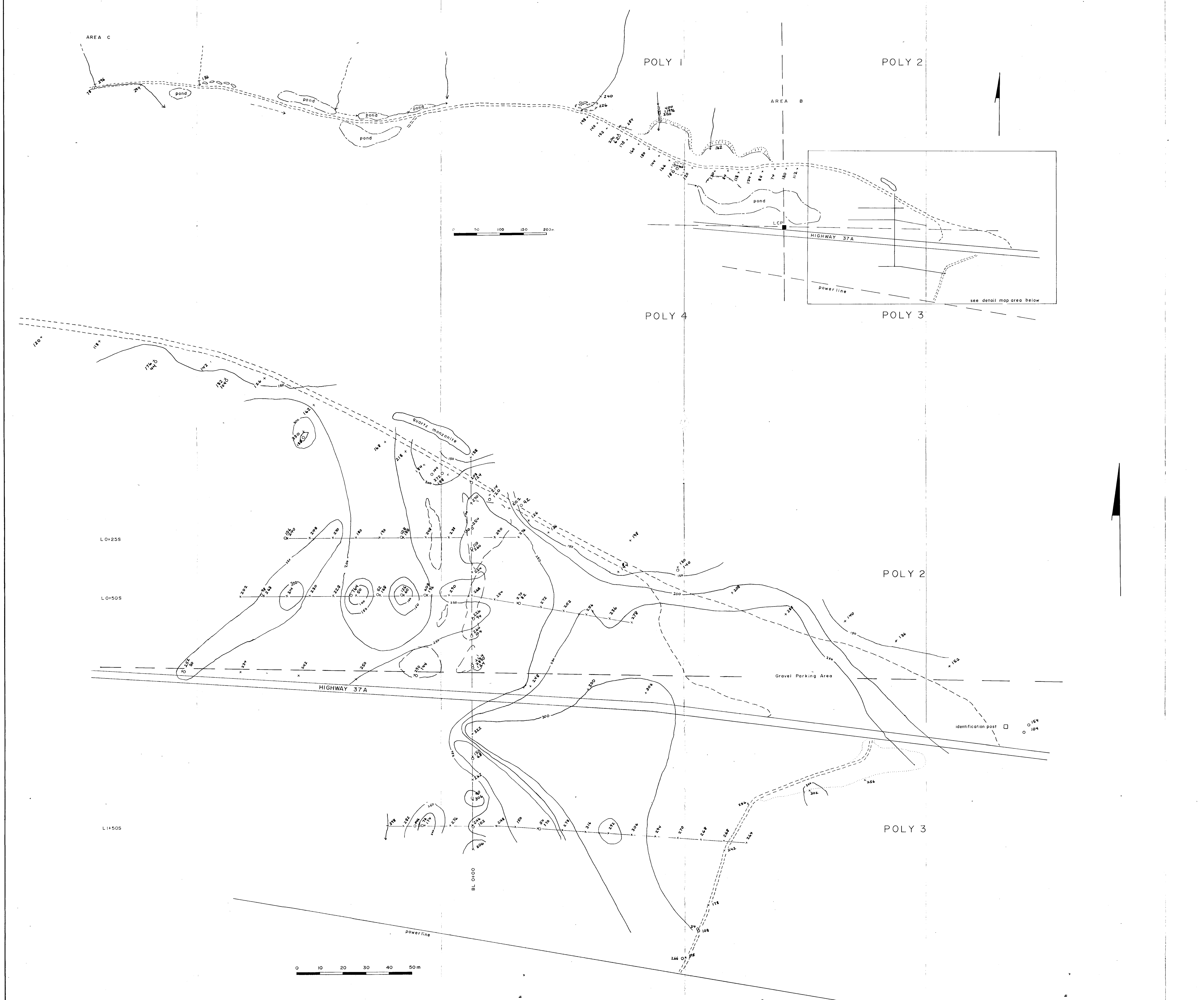
POLY PROPERTY 00-31 (8)

MAP 7

SOIL, ROCK AND STREAM SEDIMENT RESULTS

LEAD VALUES IN PPM
(CONTOURS REFER TO SOIL VALUES ONLY)

Scales 1:2500 & 1:500 **Oct. 2000**



ABBREVIATIONS

A	alder	mal	malachite
AM	alpine meadow	md	moraninal debris
ank	ankerite	Mn	mangnese
ba	barite	ms	semi massive sulfides
bl	bleached	ox	oxidized
bldr	boulder	P	poplar
bo	bournite	py	pyritized
bt	boulder terrain	q carb	quartz carbonate
bx	brecciated	q vn	quartz vein
cal	calcite	sb	scrub brush
carb	carbonated	sd/gr	sand/gravel
ch	chloritized	ser	sericitized
cpy	chalcopyrite	sil	silicified
epi	epidotized	sp	spruce
F	ferns	spec	specularite
gn	galena	sph	sphalerite
hem	hematized	stwk	stockwork
hbl	hornblende	sulf	sulfidized
jar/al	jarosite/alunite	T	talus
lim	limonite	v	vein
m	massive		

SYMBOLS

759911 rock sample number
759882 stream sediment sample
759686 soil sample number

SS	stream sediment sample
SO	soil sample
OC	rock outcrop sample
RC	rock composite sample
RCH	rock chip sample
RP .	rock panel sample
RP	rock panel sample
RS	rock subcrop sample
RT	rock talus sample
RTC	rock talus composite sample

fault
claim line
stream and direction
extent of surficial feature

POLY PROPERTY 00-31 (9)

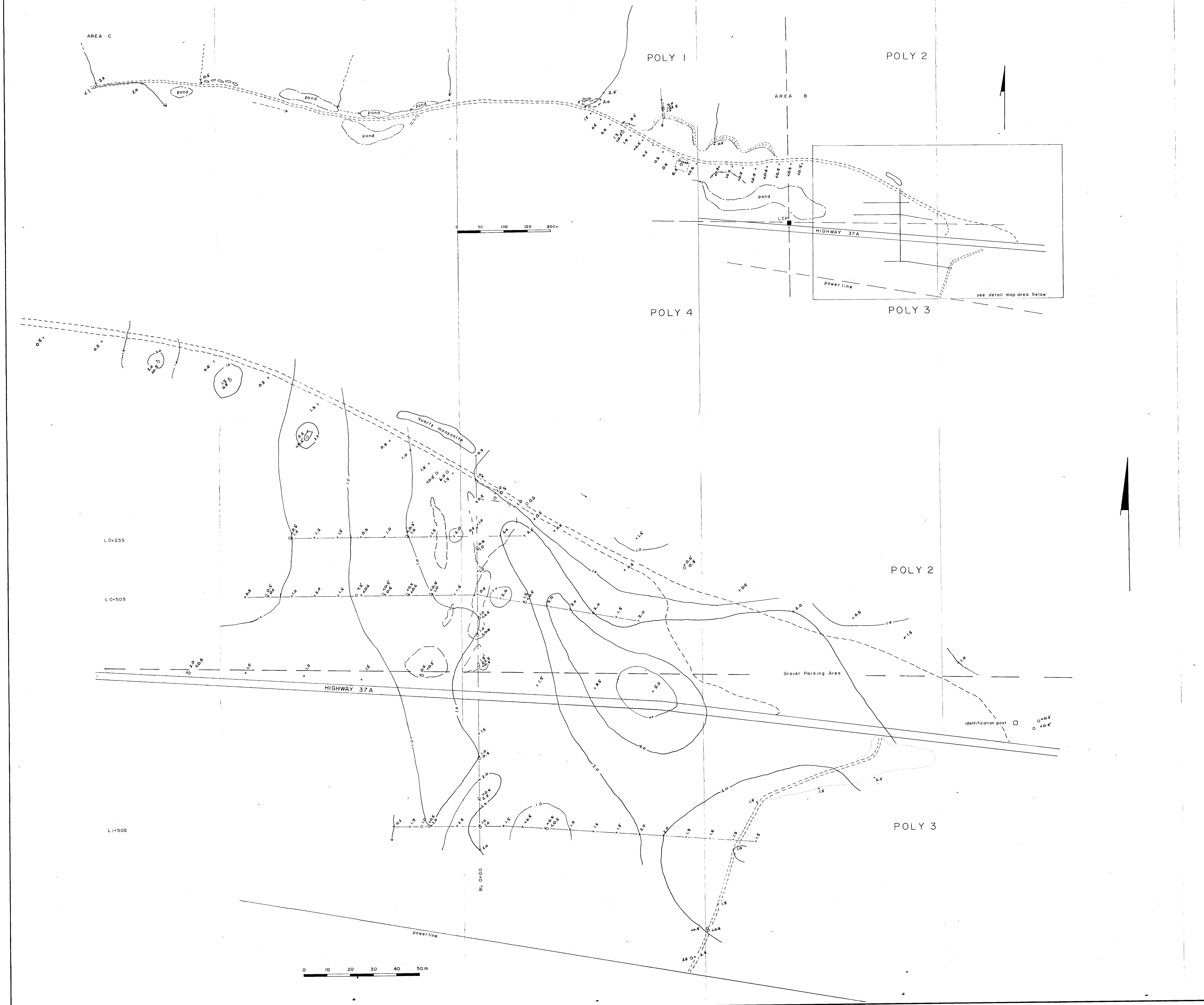
MAP 8

SOIL, ROCK AND STREAM SEDIMENT RESULTS

ZINC VALUES IN PPM
(CONTOURS REFER TO SOIL VALUES ONLY)

Scales 1:2500 & 1:500 **Oct. 2000**

POCKET E



ABBREVIATIONS

A	alder	mal	malachite
AM	alpine meadow	md	moraninal debris
ank	ankerite	Mn	mangnese
ba	barite	ms	semi massive sulfides
bl	bleached	ox	oxidized
bldr	boulder	P	poplar
bo	bournite	py	pyritized
bt	boulder terrain	q carb	quartz carbonate
bx	brecciated	q vn	quartz vein
cal	calcite	sb	scrub brush
carb	carbonated	sd/gr	sand/gravel
ch	chloritized	ser	sericitized
cpy	chalcopyrite	sil	silicified
epi	epidotized	sp	spruce
F	ferns	spec	specularite
gn	galena	sph	sphalerite
hem	hematized	stwk	stockwork
hbl	hornblende	sulf	sulfidized
jar/al	jarosite/alunite	T	talus
lim	limonite	v	vein
m	massive		

SYMBOLS

o 759911 rock sample number
759882 stream sediment sample
× 759686 soil sample number
SS stream sediment sample
SO soil sample
OC rock outcrop sample
RC rock composite sample
RCH rock chip sample
RP rock panel sample
RP rock panel sample
RS rock subcrop sample
RT rock talus sample
RTC rock talus composite sample

fault
claim line
stream and direction
extent of surficial feature

POLY PROPERTY

00-31

MAP 9

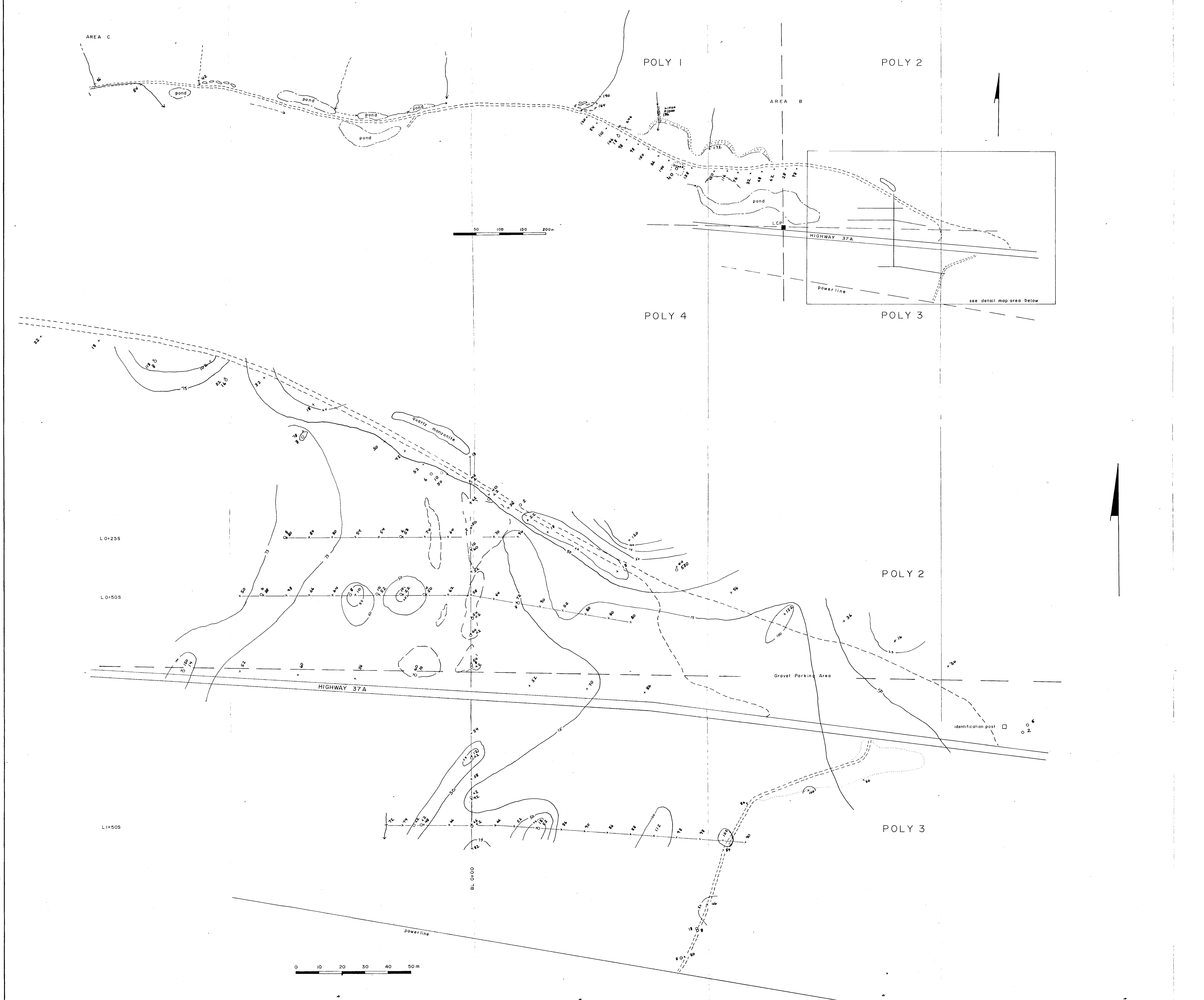
(10)

SOIL, ROCK AND STREAM SEDIMENT RESULTS

CADMIUM VALUES IN PPM
(CONTOURS REFER TO SOIL VALUES ONLY)

Scales 1:2500 & 1:500

Oct. 2000



ABBREVIATIONS

A	alder	mal	malachite
AM	alpine meadow	md	moraninal debris
ank	ankerite	Mn	mangnese
ba	barite	ms	semi massive sulfides
bl	bleached	ox	oxidized
bldr	boulder	P	poplar
bo	bournite	py	pyritized
bt	boulder terrain	q carb	quartz carbonate
bx	brecciated	q vn	quartz vein
cal	calcite	sb	scrub brush
carb	carbonated	sd/gr	sand/gravel
ch	chloritized	ser	sericitized
cpy	chalcopyrite	sil	silicified
epi	epidotized	sp	spruce
F	ferns	spec	specularite
gn	galena	sph	sphalerite
hem	hematized	stwk	stockwork
hbl	hornblende	sulf	sulfidized
jar/al	jarosite/alunite	T	talus
lim	limonite	v	vein
m	massive		

SYMBOLS

759911 rock sample number
759882 stream sediment sample
759686 soil sample number
SS stream sediment sample
SO soil sample
OC rock outcrop sample
RC rock composite sample
RCH rock chip sample
RP rock panel sample
RP rock panel sample
RS rock subcrop sample
RT rock talus sample
RTC rock talus composite sample

fault
claim line
stream and direction
extent of surficial feature

POLY PROPERTY

MAP 10 00-31 (11)

SOIL, ROCK AND STREAM SEDIMENT RESULTS

ARSENIC VALUES IN PPM
(CONTOURS REFER TO SOIL VALUES ONLY)

Scales 1:2500 & 1:500 **Oct. 2000**

POCKET F

ABBREVIATIONS

A	alder	mal	malachite
AM	alpine meadow	md	moraninal debris
ank	ankerite	Mn	mangnese
ba	barite	ms	semi massive sulfides
bl	bleached	ox	oxidized
bldr	boulder	P	poplar
bo	bournite	py	pyritized
bt	boulder terrain	q carb	quartz carbonate
bx	brecciated	q vn	quartz vein
cal	calcite	sb	scrub brush
carb	carbonated	sd/gr	sand/gravel
ch	chloritized	ser	sericitized
cpy	chalcopyrite	sil	silicified
epi	epidotized	sp	spruce
F	ferns	spec	specularite
gn	galena	sph	sphalerite
hem	hematized	stwk	stockwork
hbl	hornblende	sulf	sulfidized
jar/al	jarosite/alunite	T	talus
lim	limonite	v	vein
m	massive		

SYMBOLS

o	759911	rock sample number
stream symbol	759882	stream sediment sample
x	759686	soil sample number
	SS	stream sediment sample
	SO	soil sample
	OC	rock outcrop sample
	RC	rock composite sample
	RCH	rock chip sample
	RP	rock panel sample
	RP	rock panel sample
	RS	rock subcrop sample
	RT	rock talus sample
	RTC	rock talus composite sample

fault
claim line
stream and direction
extent of surficial feature

POLY PROPERTY

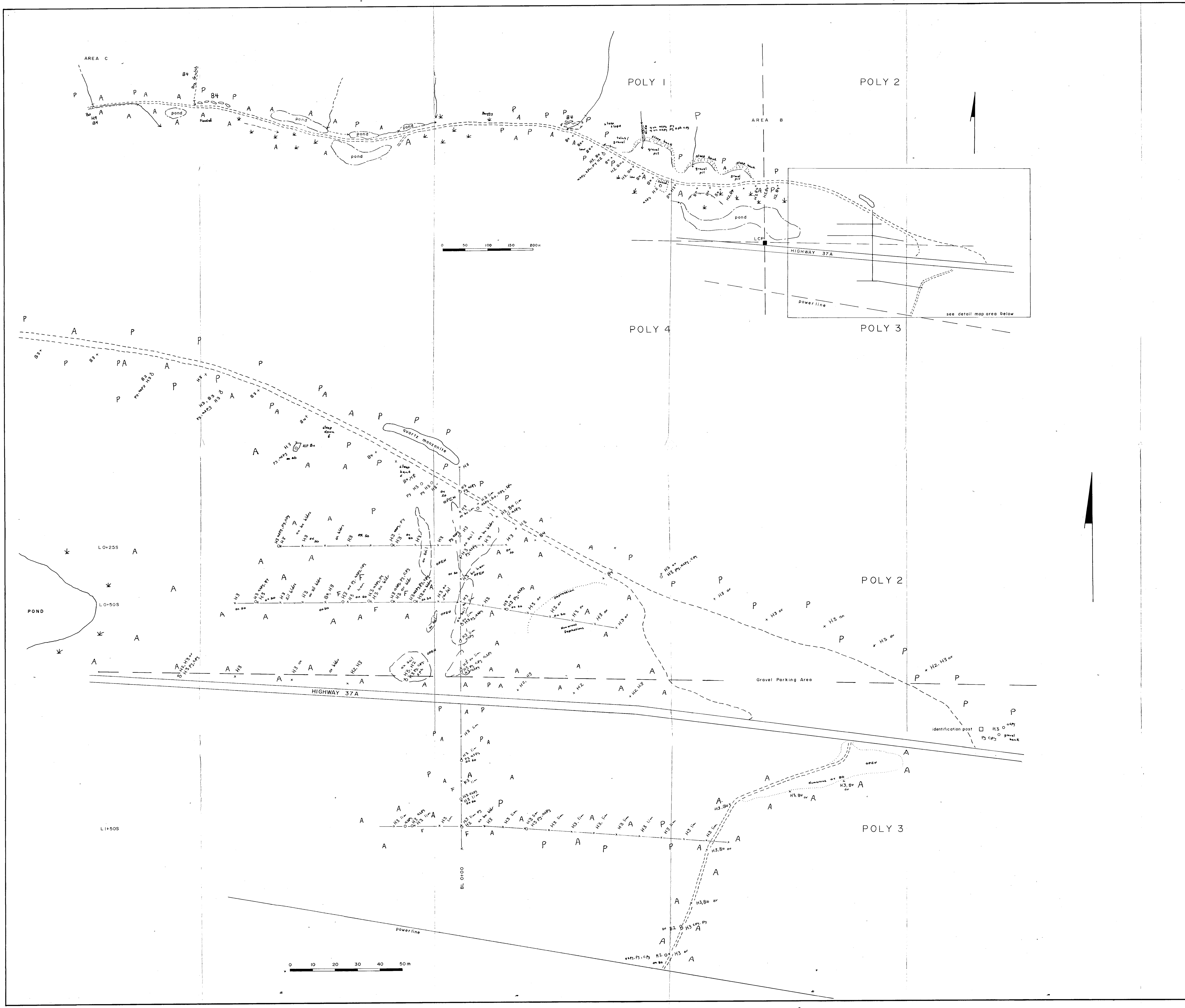
MAP 11

00-31 (12)

SOIL, ROCK AND STREAM SEDIMENT RESULTS

BARIUM VALUES IN PPM
(CONTOURS REFER TO SOIL VALUES ONLY)

Scales 1:2500 & 1:500 **Oct. 2000**



ABBREVIATIONS

A	alder	mal	malachite
AM	alpine meadow	md	moraninal debris
ank	ankerite	Mn	mangnese
ba	barite	ms	semi massive sulfides
bl	bleached	ox	oxidized
bldr	boulder	P	poplar
bo	bournite	py	pyritized
bt	boulder terrain	q carb	quartz carbonate
bx	brecciated	q vn	quartz vein
cal	calcite	sb	scrub brush
carb	carbonated	sd/gr	sand/gravel
ch	chloritized	ser	sericitized
cpy	chalcopyrite	sil	silicified
epi	epidotized	sp	spruce
F	ferns	spec	specularite
gn	galena	sph	sphalerite
hem	hematized	stwk	stockwork
hbl	hornblende	sulf	sulfidized
jar/al	jarosite/alunite	T	talus
lim	limonite	v	vein
m	massive		

SYMBOLS

- 759911 rock sample number
- 759882 stream sediment sample
- 759686 soil sample number
- SS stream sediment sample
- SO soil sample
- OC rock outcrop sample
- RC rock composite sample
- RCH rock chip sample
- RP • rock panel sample
- RP rock panel sample
- RS rock subcrop sample
- RT rock talus sample
- RTC rock talus composite sample

- fault
- claim line
- stream and direction
- extent of surficial feature

POLY PROPERTY

MAP 12

GEOLOGY

00-31 (13)

Scales 1:2500 & 1:500 Oct. 2000