Geological, Prospecting, and Geochemical Report on the **Flory Property**

FLORY 1-4 and SAM 1-2 Claims
Skeena Mining Division
N.T.S. 104-B/7 E
Latitude 56°23′ North
Longitude 130°37′ West
British Columbia

November 6, 1989

on behalf of

PROLIFIC RESOURCES LTD.

Vancouver, B.C.

by

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ABSTRACT

The Flory property consists of six contiguous modified-grid claims totalling 120 units located approximately 80 km northwest of Stewart, British Columbia. Access to the property is by fixed-wing aircraft from Terrace, Stewart, or Smithers to various airstrips in the area and then via helicopter to the property.

The property lies within the Intermontaine Tectono-Stratigraphic Belt and occurs near the contact between the Stikine Terrane and the unmetamorphosed sediments of the Bowser Basin. The property is underlain primarily by Upper Triassic to Lower Jurassic supracrustal rocks locally intruded by Middle Jurassic or younger diorite dykes. Pleistocene basalt flows underlie the lower reaches of the Unuk River valley along the western property boundary.

The area has an exploration history dating back to the turn of the century when prospectors passed through the region on their way to the interior. In the 1970's, the porphyry copper boom again brought prospectors and companies into the area. The current gold exploration rush began in 1980 with the option of the Sulphurets property by Esso Minerals Canada and the acquisition of the Johnny Mountain claims by Skyline Exploration Ltd. which was brought into production in mid-1988. The adjacent SNIP property is slated for production in 1990.

At this time, the Eskay Creek prospect, located 32 km northeast of the Flory property and currently being explored by Calpine and Consolidated Stikine, is the most significant showing in the area. The prospect comprises at least eight mineralized zones occurring over a strike length of 1800 m within a sequence of felsic volcanics. The mineralization is associated with disseminated sulphides in felsic volcanic breccias and graphitic argillites in contact with overlying intermediate volcanic rocks.

A review of all available information indicates that the entire Unuk River area was subjected to reconnaissance geological mapping and prospecting by

Newmont Mines Ltd. in 1959-1962 which led to the discovery of a number of showings in the vicinity of the Flory property.

In the 1960's, Granduc Mines Ltd. conducted exploration programs in the vicinity of the Flory property, which encompassed portions of the current property area. No mineralization or alteration zones were located within the property boundaries. In 1987, a limited amount of reconnaissance mapping, prospecting, and geochemical sampling were completed on the FLORY 1 to 4 mineral claims. No mineralization was located.

An airborne electromagnetic and magnetic survey was conducted over the property in 1988. A number of north-northeast trending conductors and several magnetic highs were outlined by the survey.

The 1989 exploration program consisted of helicopter-supported reconnaissance prospecting, geological mapping, and geochemical sampling with the objective of evaluating the property's potential for hosting economic precious metals deposits. Reconnaissance prospecting and geochemical sampling were completed in areas of reported mineralization, in the upland areas, and in the drainage courses of the claims where rock exposures were most abundant, and in the area north of Flory Lake which previous exploration efforts would have neglected due to the dense forest growth and difficult terrain.

Copper mineralization, of probable limited extent, was located adjacent to the property boundary in the southeast corner of the FLORY 2 claim. The McQuillan Ridge copper showing is reportedly located southeast of this area, but was not relocated during the current exploration program.

An area containing a number of fractured zones with quartz-carbonate flooding, stringers, and veinlets up to 10 cm wide occurring within andesite tuff was located on the SAM 1 mineral claim. Sulphide mineralization is generally restricted to the quartz-carbonate veining. A number of grab samples yielded anomalous Ag, Pb, and Zn values.

A number of quartz veins (generally 20 to 50 cm wide) within andesite tuff were located in the north-central part of the FLORY 2 claim. Lithogeochemical sampling yielded elevated to anomlaous Au, Ag, Cu, and/or Zn values.

A grab sample of fine-grained dacite tuff located in the southeast corner of the FLORY 1 claim yielded 1.19% Zn.

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INTRODUCTION

Prolific Resources Ltd. of Vancouver commissioned Keewatin Engineering Inc. to conduct a field exploration program on the Flory property located in the Unuk River area of northern British Columbia. Exploration was directed by Keewatin Engineering Inc. with geological support and field supervision provided by Taiga Consultants Ltd. as a sub-contractor to augment the Keewatin crew.

The objective of the program was to evaluate the property's potential for hosting economic precious metal deposits. Exploration consisted of prospecting, geological mapping, and geochemical sampling, which including lithogeochemical, stream silt, and heavy mineral sampling.

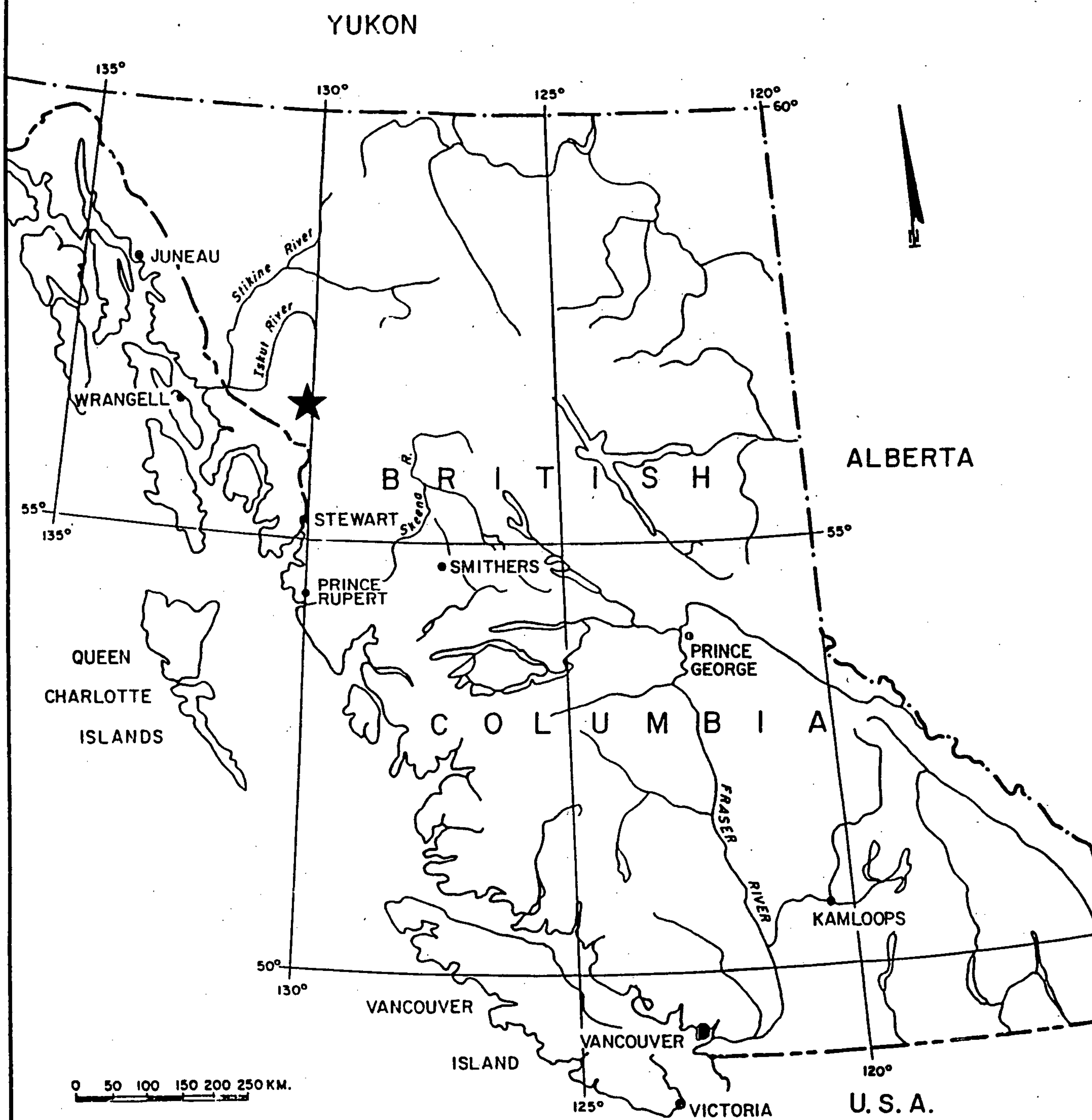
Location and Access

The FLORY property is located in northwestern British Columbia, approximately 80 km northwest of Stewart (Figure 1). The claims are situated in N.T.S. map sheet 104-B/7 E, centered about 56°23′ North latitude and 130°37′ West longitude.

Access to the property is by fixed-wing aircraft from Terrace, Stewart, or Smithers to various airstrips in the area, and then via helicopter to the property. The claims can also be directly accessed by helicopter from Stewart. At some future date, road access to the area from the Stewart/ Cassiar Highway could be obtained via the Upper Unuk River and Tiegen Creek valleys.

Property Status and Ownership

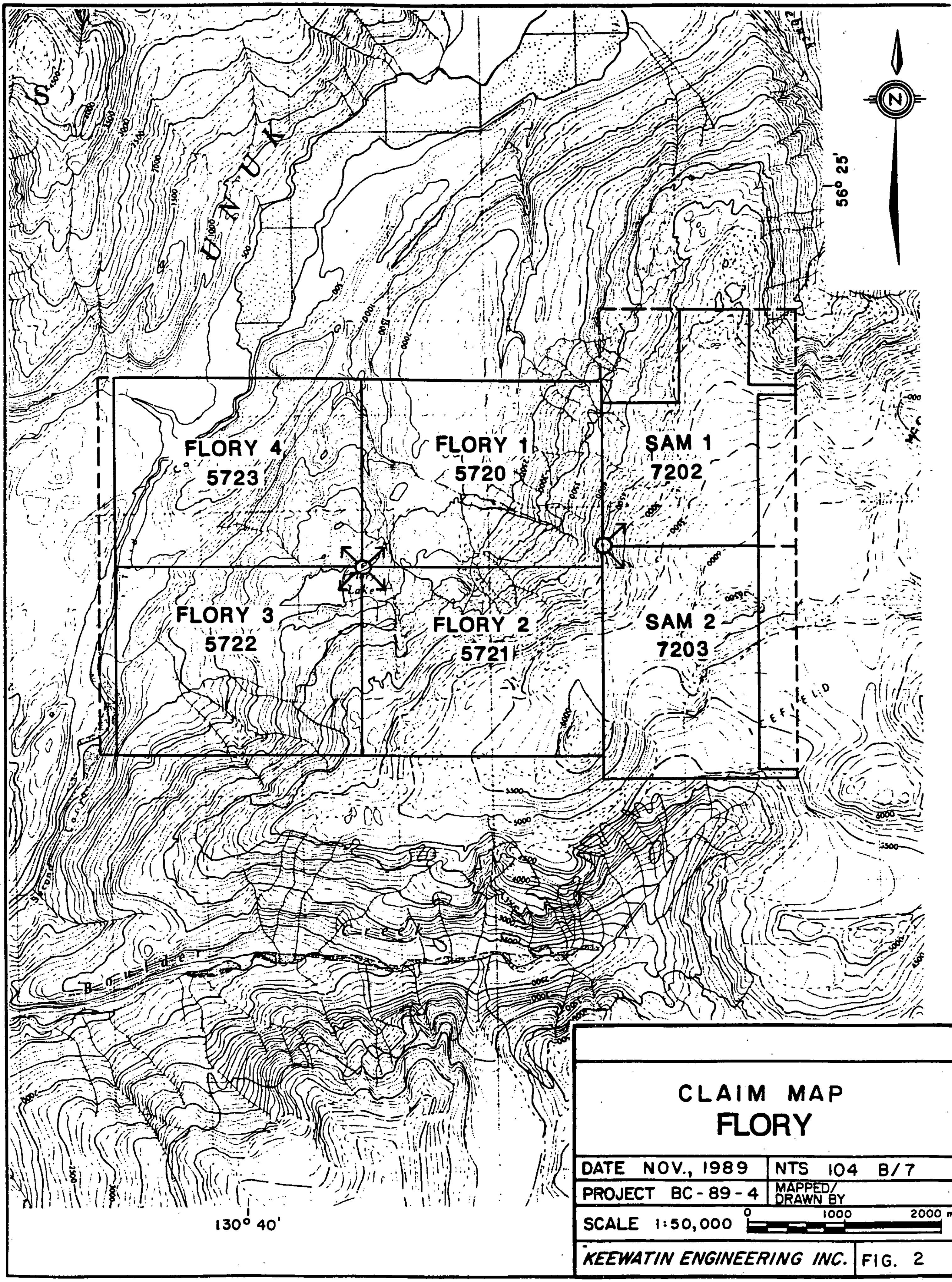
The FLORY property (Figure 2) consists of six modified grid claims totalling 120 units, located within the Skeena Mining Division. Relevant claim data are tabulated below:



★ PROPERTY LOCATION MAP

Figure I

KEEWATIN ENGINEERING INC.



CLAIM MAP
FLORY

DATE NOV., 1989	NTS 104 B/7
PROJECT BC-89-4	MAPPED/ DRAWN BY
SCALE 1:50,000	0 1000 2000 m
KEEWATIN ENGINEERING INC.	FIG. 2

Claim Name	Record Number	No.of Units	Date of Record	Expiry Year
FLORY 1	5720	20	Jan.09/87	1990
FLORY 2	5721	20	Jan.09/87	1990
FLORY 3	5722	20	Jan.09/87	1990
FLORY 4	5723	20	Jan.09/87	1990
SAM 1	7202	20	Feb.17/89	1990
SAM 2	7203	20	Feb.17/89	1990
		120		

These claims are apparently the subject of an agreement between the claim holders (A. Erlark and G. N. Ross) and Ross Resources Inc., which recently optioned the property to Prolific Resources Ltd.

The claim records and maps show that portions of the north and east edges of the SAM 1, the east edge of the SAM 2 and a sliver of the west edges of the FLORY 3 and 4 claims encompass pre-existing mineral claims. The FLORY 1 to 4 claims have subsequently been overstaked.

Physiography and Climate

The FLORY property is situated within the Coast Range Physiographic Division and is characterized by northern rain forest and sub-alpine plateaux. Valleys are steep-sided and U- to V-shaped. Elevations (see Figure 2) range from 400 feet in the valley of the Unuk River to 6700 feet on McQuillan Peak.

A transitional treeline, characterized by dense sub-alpine scrub, meanders through the property at approximately the 3000-foot level. The steep terrain found above treeline is typified by intermontane alpine flora. Permanent glacial ice is found above elevations of 3500 to 4500 feet. Conifers up to 30 m tall are common below treeline, especially in the stream valleys. Water for camp and drilling purposes is generally in good supply from the numerous creeks draining the claims area.

Precipitation is heavy, exceeding 200 cm per annum, with short mild summers but very wet spring and fall periods. Thick accumulations of snow are common during winter. It is seldom possible to begin surface geological work before July and difficult to continue past September.

PREVIOUS EXPLORATION

The area drained by the upper reaches of the Stikine, Iskut, Unuk, Craig, and Bell-Irving Rivers has been explored for gold since the late 1800's when prospectors passed through the region on their way to the interior. In the 1970's, the porphyry copper boom again brought prospectors and companies into the area. The current gold exploration rush began in 1980 with the option of the Sulphurets property by Esso Minerals Canada, and the acquisition of the Johnny Mountain claims by Skyline Explorations Ltd. The Johnny Mountain deposit was brought into production in mid-1988 and the adjacent SNIP deposit is slated for production in 1990.

The mineralization at Eskay Creek (see Figure 4) was discovered is 1932 and active prospecting has continued sporadically since then. Two adits are the result of limited mining activity on this prospect. In 1988, Calpine Resources Incorporated discovered high-grade gold and silver mineralization on the #21 Zone (*Northern Miner* - November 7, 1988). A number of excellent diamond drill intersections have been obtained to date, including drill hole CA-88-06 which encountered 96 feet of 0.752 oz/ton gold and 1.13 oz/ton silver. Based on the results of 70 drill holes completed to June 1, 1989, a preliminary geological ore reserve of 2.8 million tons grading 0.23 oz/ton gold and 3.3 oz/ton silver has been calculated for the #21 Zone (Consolidated Stikine Silver Ltd. - 1989 Annual Report).

The Unuk River area was covered by regional geological mapping in 1988 as part of the Iskut-Sulphurets project carried out by B.C. Ministry of Energy, Mines and Petroleum Resources (Britton et al.,1989). The whole of N.T.S. 104-B is currently being mapped by R. G. Anderson of the Geological Survey of Canada (Anderson, 1989).

The results of a regional stream sediment sampling program conducted over this area were released in July 1988 (National Geochemical Reconnaissance, 1988). Britton (et al.) report that almost every known precious metal prospect in the Unuk River area is associated with high stream sediment gold values. Known gold deposits are also associated with high but variable values for such pathfinder elements as silver, arsenic, antimony, and barium. Two stream sediment samples (Figure 5) were collected from streams draining the FLORY property. Neither sample yielded elevated values for the elements.

A review of the material in the B.C. Ministry of Energy, Mines and Petroleum Resources assessment report archives indicates that the entire Unuk River area was subjected to reconnaissance geological mapping and prospecting by Newmont Mines Ltd. during the period 1959 to 1962. This work discovered only one showing within the FLORY property boundaries. The McQuillan Ridge copper showing (Minfile #220) occurs adjacent to the southeastern boundary of the property. It is portrayed as Mid-Jurassic diorite dykes which contain minor copper mineralization.

In 1968, Granduc Mines Ltd. conducted an airborne electromagnetic and magnetic survey over McQuillan Ridge. This survey covered the entire FLORY property.

In 1969, Granduc Mines undertook geological and geophysical surveys on their JIM 1 to 22 mineral claims. This work covered the Jim-Flory copper showing (Minfile #219), located 0.75 km south of the western corner of the FLORY property. The Jim-Flory showing is described as a zone of sporadic alteration within a tuff, and skarn alteration noted in some sedimentary units. Magnetite, pyrite, and chalcopyrite occur within the altered zone. In 1911, gold values of about 64 grams per tonne were reported from the area.

The exploration completed by Granduc Mines covered most of the FLORY 3 mineral claim, surrounding Flory Lake and extending diagonally across the claim. No mineralization nor an alteration zone was located within the boundaries of the FLORY property.

In 1987, a reconnaissance mapping, prospecting, and geochemical (litho-geochemical and stream silt) sampling program was conducted over several claim groups in the Unuk River area by Paul A. Hawkins and Associates Ltd. on behalf of Axiom Explorations Ltd. Four man-days of exploration were completed on the FLORY 1 to 4 mineral claims. No mineralization was located.

An airborne electromagnetic and magnetic survey was flown over the FLORY property in 1988. A number of north-northeast trending conductors were delineated throughout the property. Several magnetic high areas were outlined by the survey. These may be delineating either underlying sills and dykes or magnetite-enriched areas within the underlying andesites.

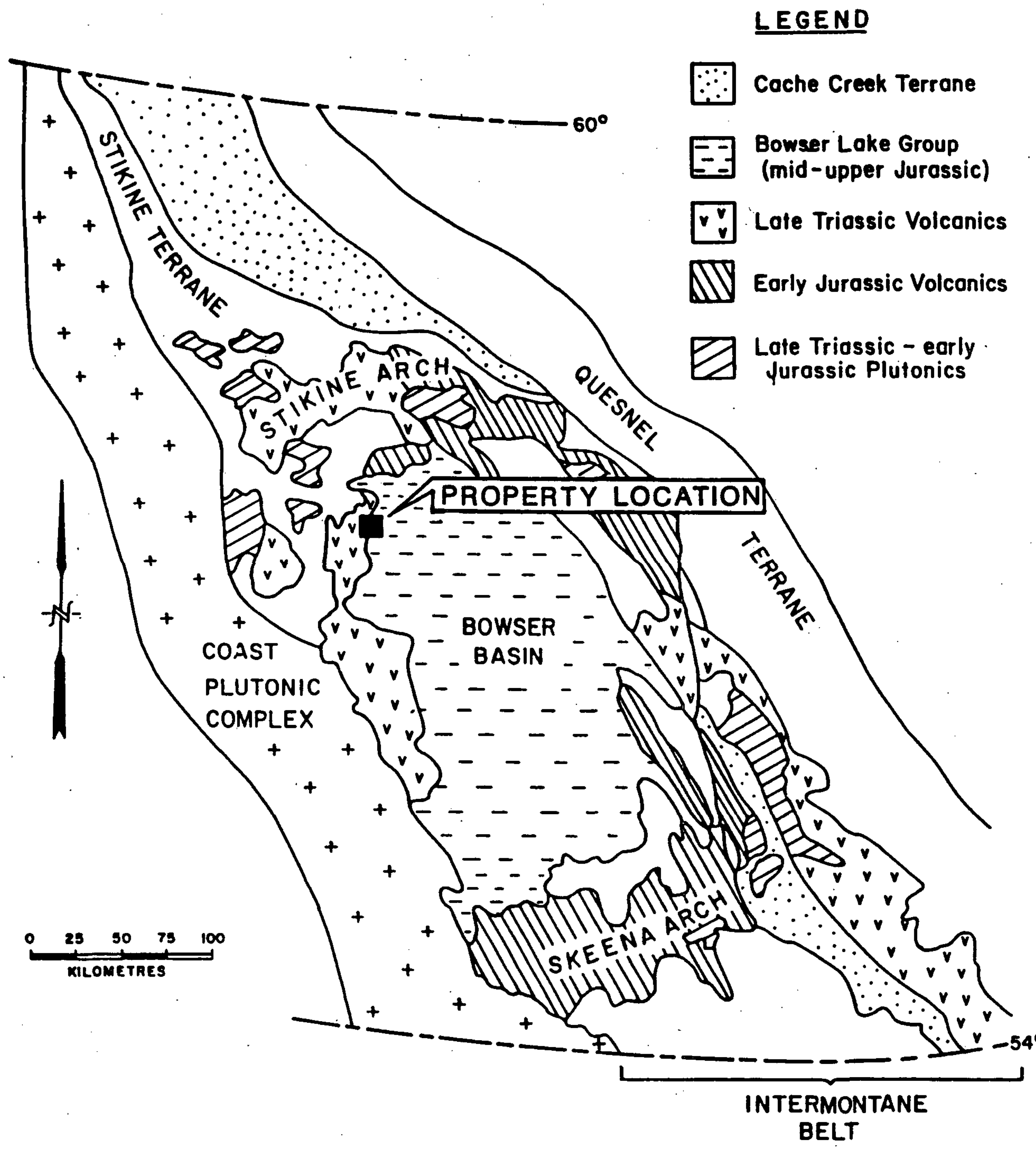
The assessment records (Korenic, 1982) indicate that Duval Corp. undertook a regional heavy mineral survey in the Unuk River area in 1981.

REGIONAL GEOLOGY

The property lies within the Intermontane Tectono-Stratigraphic Belt, one of five parallel northwest-southeast trending belts which comprise the Canadian Cordillera (Figure 3). The FLORY property occurs near the contact between the Stikine Terrane, which makes up most of the western part of the Intermontane Belt, and the unmetamorphosed sediments of the Bowser Basin.

The Unuk River area (Figure 4) is underlain by a thick succession of Upper Triassic to Lower Jurassic volcano-sedimentary arc complex lithologies capped by Middle Jurassic marine basin lithologies. This package has been intruded by a variety of plutons representing at least four intrusive episodes spanning late Triassic to Tertiary time. These include synvolcanic plugs, small stocks, dyke swarms, isolated dykes and sills, as well as batholiths belonging to the Coast Plutonic Complex.

The stratigraphic sequence has been folded, faulted, and weakly metamorphosed during Cretaceous time, but some Triassic strata are polydeformed and may record an earlier deformational event. Remnants of Pleistocene to Recent basaltic flows and tephra are preserved locally.

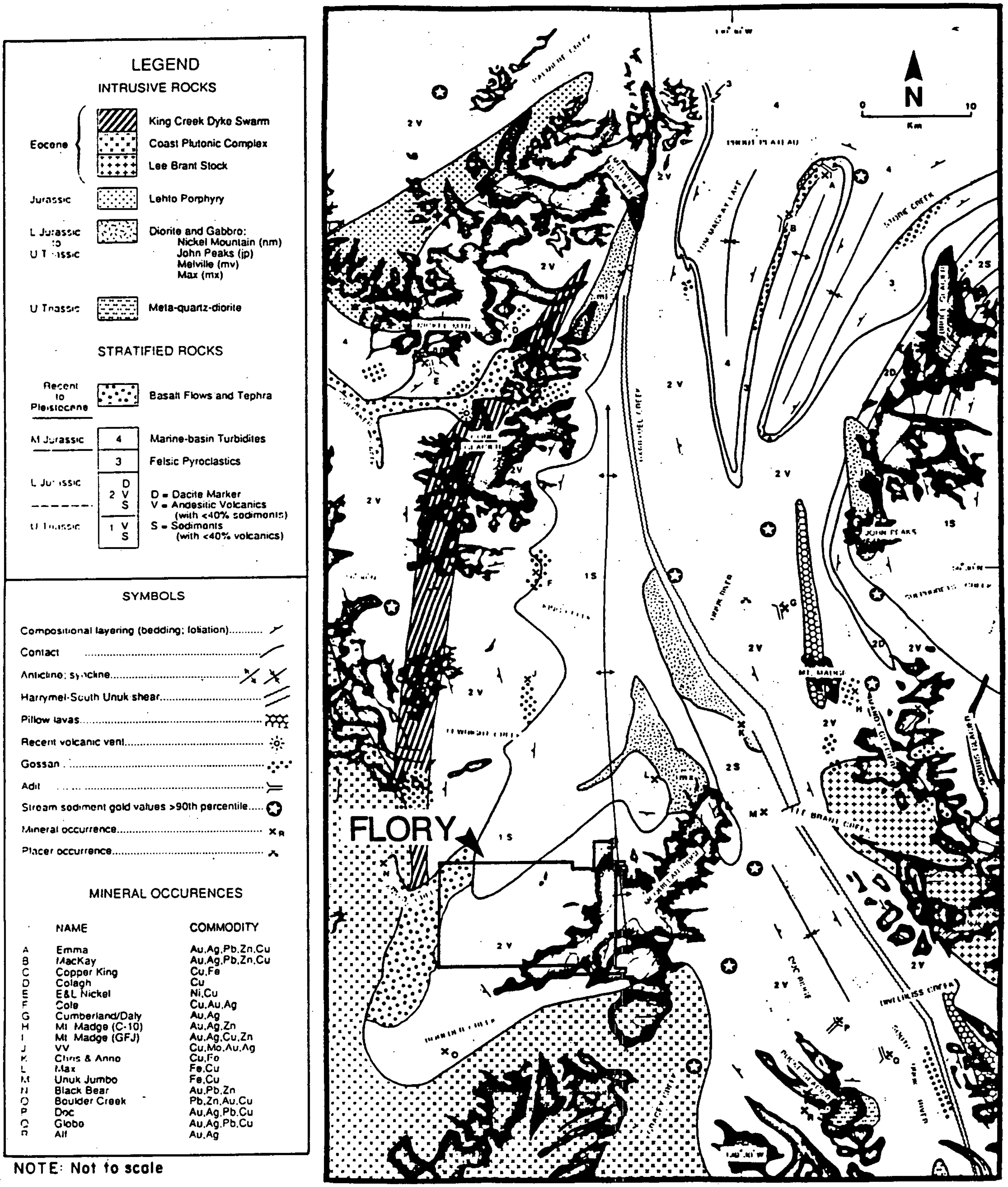


REGIONAL GEOLOGY
BOWSER BASIN
NW BRITISH COLUMBIA

(Outline of terrane boundaries and major rock groups of the Jurassic and Triassic — modified from Thomson, 1985).

Figure 3

KEEWATIN ENGINEERING INC.



NOTE: Not to scale

Geology and mineral deposits, Unuk map area.

Modified after Britton et. al. (1989)

PROPERTY GEOLOGY

Figure 4

PROPERTY GEOLOGY

Regional geological mapping by Britton et al.(1989) shows that the property is underlain predominantly by Upper Triassic to Lower Jurassic supracrustal rocks (Figure 5). Upper Triassic Stuhini Group sediments extend into the north-central part of the property. The Lower Jurassic Unuk River Formation, which consists of andesitic volcanics with lesser sediments, underlies most of the remaining property area. Locally, the Unuk River Formation is intruded by Middle Jurassic or younger diorite dykes. Pleistocene basalt flows underlie the lower reaches of the Unuk River valley along the western boundary of the property.

Upper Triassic Stuhini Group (Unit 1)

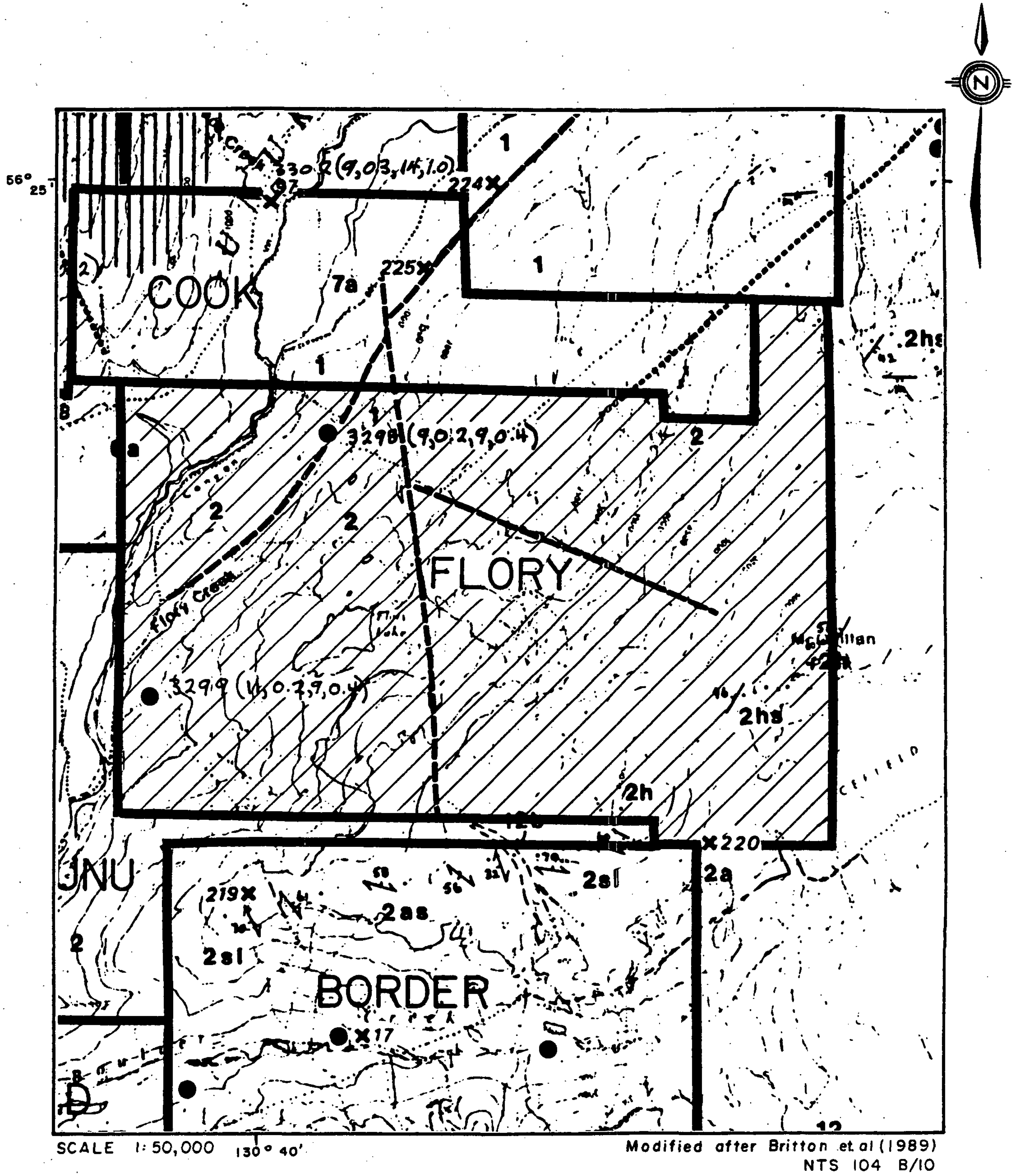
The Stuhini Group rocks occupy the nose of a north-plunging anticline, and occur as a wedge between the Unuk-Harrymel Shear Zone and the overlying Unuk River Formation. These rocks underlie the area immediately north of the property, their southern extent underlying the north-central edge of the property. The Stuhini Group rocks consist of thin-bedded siltstones, immature fine-grained wackes, chert, impure limestone, and andesitic tuffs that locally attain a considerable thickness. Andesitic tuffs may be laminated to massive, aphanitic or hornblende-feldspathic. Limestones occur as thin beds or discontinuous lenses that show extensive recrystallization and highly disrupted internal structure. Fossil evidence led Britton et al. (1989) to ascribe a Carnian to Norian age to these rocks.

Upper Triassic to Lower Jurassic Unuk River Formation (Unit 2)

Britton et al.(1989) described this sequence as green and grey intermediate to mafic volcaniclastics and flows with locally thick interbeds of immature fine-grained sediments. The volcanics are reported to be dominantly massive to poorly bedded plagioclase (± hornblende) porphyritic andesite. The sediments are predominantly grey, brown, and green, thinly bedded tuffaceous siltstone and fine-grained wacke. These Norian to Sinemurian rocks belong to the Unuk River Formation which is the lowermost unit of the Hazelton Group. The basal contact with Triassic strata appears to be near the top of a thick sequence of clastic sedimentary rocks. Neither an angular unconformity nor a widespread conglomerate marks this lower contact.

Pleistocene to Recent Basalt Flows and Tephra (Unit 6a)

Britton et al.(1989) mapped these flows along the valleys of the Unuk River and Canyon Creek. The are reported to commonly display columnar jointing.



FLORY
PROPERTY GEOLOGY

Figure 5

LEGEND

INTRUSIVE ROCKS

TERTIARY

13 *POST-TECTONIC DYKES*

- 13a *Lamprophyre, andesite, diabase (Narrow not shown)*
- 13b *King Creek Dyke Swarm: feldspar porphyry dacite, andesite, diabase, quartz diorite*
- 13c *Hawthorn monzonite: fine-grained leuco-monzonite*

12 *COAST PLUTONIC COMPLEX*

- 12a *Biotite granite*
- 12b *Hornblende-biotite quartz diorite*
- 12c *Lee Brant Stock: K-feldspar porphyry, hornblende-biotite quartz monzonite*

JURASSIC

11 *NICKEL MOUNTAIN GABBRO: mesocratic olivine-pyroxene gabbro*

10 *SYN TO POST-VOLCANIC INTRUSIONS: Porphyritic to phaneritic textured; possibly hypabyssal equivalents of extrusive rocks*

- 10a *Lehto Porphyry: K-feldspar-plagioclase-hornblende porphyry granodiorite to syenite*
- 10b *Bark Lake Dyke: fine- to medium-grained hornblende diorite*
- 10c *Andesite-Diorite Complex: melanocratic, fine- to medium-grained diorite with abundant xenoliths of dark green meta-andesite; (possibly Triassic)*

9 *UNUK RIVER DIORITE SUITE: medium- to coarse-grained, mafic to intermediate stocks*

- 9a *John Peaks melanocratic hornblende diorite*
- 9b *Max biotite-hornblende diorite; quartz diorite*
- 9c *Melville hornblende-biotite diorite to quartz diorite*
- 9d *Doc Ridge biotite monzodiorite*

TRIASSIC

8 *BUCKE GLACIER STOCK: light grey, gneissic to foliated, medium-grained hornblende-biotite quartz diorite*

METAMORPHIC ROCKS

A - F *METAMORPHIC EQUIVALENTS OF UNITS 1, 2 OR 3*

- A *Metapelite: dark grey, carbonaceous quartz-feldspar-sericite phyllite*
- B *Felsic metavolcanics: light green, quartz-albite-chlorite-sericite phyllite; locally with deformed lapilli*
- C *Mafic to intermediate metavolcanics: dark green, plagioclase-chlorite phyllite*
- D *Hornblende-plagioclase mylonite; mylonitic meta-tuffs*
- E *Hornblende-plagioclase gneiss; agmatitic migmatite*
- F *Strongly sheared rocks within the Unuk-Harrymel fault zone*

GOSSANOUS ALTERATION ZONES

- *Pyrite ± quartz ± sericite ± carbonate ± clay; locally foliated to schistose*
- *Disseminated pyrite in felsic volcanics*

VOLCANIC AND SEDIMENTARY ROCKS

(Note: No stratigraphic order is implied within sequences.)

QUATERNARY

RECENT

7 *UNCONSOLIDATED SEDIMENTS*

- 7a *Alluvium, glaciofluvial deposits, landslide debris, moraine*
- 7b *Alluvium underlain by Pleistocene to Recent basalt*

PLEISTOCENE TO RECENT

6 *BASALT FLOWS AND TEPHRA*

- 6a *Dark grey to black, basalt flows and tephra; minor pillow lavas*
- 6b *Basalt tephra*

TRIASSIC TO JURASSIC

HAZELTON GROUP

MIDDLE JURASSIC (TOARCIAN TO BAJOCIAN)

5 *SILTSTONE SEQUENCE (Salmon River Formation): Dark grey, well-bedded siltstone with minor sandstone and conglomerate.*

- 5c *Chert pebble conglomerate and arenite*
- 5t *Rhythmically bedded siltstone and shale (turbidite)*
- 5w *Thinly bedded wacke*
- 5p *Andesitic pillow lavas and pillow breccias with minor siltstone interbeds*

LOWER JURASSIC (TOARCIAN)

4 *FELSIC VOLCANIC SEQUENCE (Mount Dilworth Formation): Light weathering, intermediate to felsic pyroclastic rocks, including dust, ash, crystal and lithic tuffs, lapilli tuff. Locally pyritiferous (3 to 15%) and gossanous. Minor chalcedonic quartz veins locally.*

- 4a *Variably bedded airfall tuffs*
- 4f *Massive felsic tuff*
- 4r *Black and white, carbonaceous felsic volcanics; locally flow banded and autobrecciated*

LOWER JURASSIC (PLIENSBACHIAN TO TOARCIAN)

3 *PYROCLASTIC-EPICLASTIC SEQUENCE (Betty Creek Formation): Heterogeneous, grey, green, locally purple or maroon, massive to bedded pyroclastic and sedimentary rocks; pillow lava*

- 3a *Green and grey, massive to poorly bedded andesite*
- 3d *Grey, green and purple dacitic tuff, lapilli tuff, crystal and lithic tuff; massive to well bedded; feldspar phyric*
- 3f *White weathering, felsic tuffs and breccias with quartz stringers*
- 3c *Andesitic lapilli tuff with pink siliceous clasts*
- 3p *Andesitic pillow lavas and pillow breccias with minor siltstone interbeds*
- 3t *Black, thinly bedded siltstone, shale and argillite (turbidite)*

UPPER TRIASSIC TO LOWER JURASSIC (NORIAN TO SINEMURIAN)

2 *ANDESITE SEQUENCE (Unuk River Formation): Green and grey, intermediate to mafic volcaniclastics and flows with locally thick interbeds of fine-grained immature sediments; minor conglomerate and limestone*

- 2a *Grey and green, plagioclase ± hornblende porphyritic andesite; massive to poorly bedded*
- 2h *Grey and green, hornblende-(± pyroxene)-feldspar porphyritic andesitic lapilli and ash tuff*
- 2s *Grey, brown and green, thinly bedded, tuffaceous siltstone and fine grained wacke*
- 2t *Black, thinly laminated siltstone (turbidite); shale; argillite*
- 2g *Dark grey, matrix-supported conglomerate with granitic cobbles*
- 2l *Grey, variably bedded limestone (completely recrystallized along South Unuk valley)*

TRIASSIC

STUHINI GROUP

UPPER TRIASSIC (CARNIAN TO NORIAN)

1 *LOWER VOLCANOSEDIMENTARY SEQUENCE: Brown, black and grey, mixed sedimentary rocks interbedded with medium to dark green, mafic to intermediate volcanic and volcaniclastic rocks*

- 1t *Grey to black, thinly bedded siltstone, shale, argillite (turbidite)*
- 1w *Brown and grey, fine grained tuffaceous wacke; minor siltstone or conglomerate*
- 1l *Grey, impure, silty, sandy limestone*
- 1a *Green, fine-grained, andesitic ash tuff; feldspar and hornblende phyric*
- 1b *Dark green basalt*
- 1p *Grey and green, andesitic breccia with augite-hornblende-plagioclase clasts and augite-rich matrix*

SYMBOLS

- Geological boundary (defined, approximate, assumed)
- Bedding, tops known (horizontal, inclined, vertical, overturned)
- Bedding, tops unknown (horizontal, inclined, vertical)
- Bedding, estimated dip (gentle, moderate, steep)
- Stratigraphic tops in pillow volcanics
- Compositional layering in metamorphosed rocks; foliation (inclined, vertical)
- Trend line
- Regional anticline; syncline
- Antiform; synform (normal, overturned)
- Minor fold axis with M, Z or S symmetry; with plunge
- Fault (defined, assumed; D = downthrown side)
- Thrust fault (defined, assumed; teeth on upper plate)
- Air photo lineament
- Fossil locality
- Flora
- Area with more than 40% Tertiary dykes
- Limit of major phyllite zone
- Volcanic vent (observed, assumed)
- Geologic station
- National geochemical reconnaissance sample site — 871365 (0.8,48,3.8,11) Sample No. (Ag ppm, As ppm, Sb ppm, Au ppb)
- Potassium-argon isotopic age site; H = hornblende; age in millions of years before present
- Mineral occurrence; MINFILE number — X83
- Adit

AGE	GROUPS	FORMATIONS	MEMBERS	LITHOLOGIES
Bathonian	Bowser Lake	Ashman	Main Sequence Basal Conglomerate	Turbidites, wackes, intraformational conglomerates Chert pebble conglomerates
Bajocian to Toarcian	Spatsizi(?)	Salmon River	Pyjama Beds Basal Limestone	Thin bedded, alternating siltstones and mudstones Gritty, fossiliferous limestone
Toarcian		Mount Dilworth	Upper Lapilli Tuff Middle Welded Tuff Lower Dust Tuff	Dacitic lapilli tuff with flow-bandedd clasts Dacitic welded ash flow and lappilli tuff Dacitic dust tuff
Pliensbachian	Hazelton	Betty Creek	Sedimentary Members Volcanic Members	Hematitic volcaniclastic sediments, and turbidites Andesitic to dacitic tuffs and flows
Sinemurian to Hettangian(?)		Unuk River	Premier Porphyry Upper Andesite Upper Siltstone Middle Andesite Lower Siltstone Lower Andesite	Two feldspar + hornblende porphyritic tuffs Massive tuffs with local volcaniclastic sediments Turbidites, minor limestones Massive tuffs and minor volcaniclastic sediments Turbidites Massive to bedded ash tuffs
Norian to Carnian	Stuhini		Volcanic Members Sedimentary Members	Pyroxene porphyry flows and tuffs Turbidites, limestones, conglomerates

TABLE 1. Table of Formations Unuk River Area

Structure

Britton mapped several faults within the property boundaries. These are assumed to be normal faults and are described as megascopic structure with small offsets. A 12 km northeast trending airphoto lineament, reported by Britton, approaches the northern boundary of the property; the significance is not known.

ECONOMIC GEOLOGY

Britton et al.(1989) list 55 mineral occurrences in the Unuk map-sheet. These showings are predominantly gold/silver occurrences and are hosted by a number of various lithologies. Most can be classified into one of four categories: stratabound, vein, skarn, and disseminations. Grove (1986) has determined that the age of the mineralizing events is variable and, notably, can be post-Triassic.

Stratabound mineralization consists almost exclusively of pyritic zones and lenses contained within a particular stratum or a restricted set of strata. The best example is the Eskay Creek prospect, currently being explored by Calpine Resources Incorporated and Consolidated Stikine Silver Ltd. Intrusive-contact (skarn) deposits show a close spatial and temporal relationship with igneous intrusions. Three deposits in this category are the E & L nickel/copper deposit (Minfile #006), the Max copper/iron skarn (Minfile #013), and the Chris-Anne copper/iron skarn (Minfile #125). Britton et al.(1989) stated:

> Mineralization at the E & L occurs within two medium- to coarse-grained, olivine-pyroxene gabbro bodies. These roughly triangular plugs are each approximately 1300 square metres in area and are probably connected. They intruded a sequence of argillites, tuffaceous siltstones, and grey dacitic ash tuffs that strike northwesterly with moderate to steep southwesterly dips. Mineralization consists of pyrrhotite, pentlandite, and chalcopyrite, with lesser amounts of pyrite and magnetite. In the northwestern gabbro, mineralization extends up to the contact with the sediments, whereas in the southeastern gabbro, mineralization is confined to the pluton.

Diamond drilling has delineated pipe-like pods and disseminations of sulphides to a depth of 120 metres. Drill-indicated reserves are 2.8 million tonnes of 0.7% Ni and 0.6% Cu (Sharp, 1965).

The Max prospect lies on the northwest side of McQuillan Ridge, between the Unuk and South Unuk Rivers, at elevations between 455 and 1500 metres. Massive magnetite with lesser pyrrhotite and chalcopyrite occur in skarn-altered sedimentary rocks adjacent to a diorite stock. Garnet, epidote, actinolite, and diopside characterize the skarn assemblage. Drilling has indicated a reserve of 11 million tonnes at 45% iron (Canadian Mines Handbook 1973-1974, page 432).

The Chris-Anne prospect lies approximately 3 kilometres east of the Max. Skarn mineralization is reported in limestone beds which are up to 10 metres thick and that are interbedded with volcaniclastics. Magnetite and pyrrhotite-rich layers, from 0.5 to 7 metres thick, with minor chalcopyrite, extend over a distance of 1 kilometre. There are minor intrusive bodies reported on the property. Grades range from 0.1% to 0.4% copper (Allan and MacQuarrie, 1981).

The gold potential of these skarn deposits does not appear to have been tested. Based on recent skarn studies (Ettlinger and Ray, 1988), this area has many features that are associated with gold-enriched skarns elsewhere in the province: sequences of calcareous and tuffaceous host rocks; structural deformation; intrusion by dioritic I-type granitoids; and contact metamorphism and recrystallization. Some auriferous skarns are enriched in cobalt, an element that may be a useful pathfinder.

High-grade precious metal quartz veins are the target of exploration programs at Mount Madge (Minfile #240 and #233) by Bighorn Development Corporation, and at the Doc prospect (Minfile #014) by Echo Bay Mines Limited. Britton et al.(1989) reports:

The Mount Madge prospects are located south of Sulphurets Creek near its confluence with Unuk River, on the east and west sides of Mandy Glacier. Two different targets are being evaluated (Kruchkowski and Sinden, 1988). On the west, the C-10 prospect (Minfile #240) is a stockwork of thin quartz veinlets, locally with thicker quartz lenses, in intensely altered, fine-grained tuffaceous andesite or dacite. Quartz veinlets locally form up to 30% of the rock. The alteration assemblage consists of quartz and sericite with up to 10% pyrite. Chalcopyrite and traces of sphalerite are also present. The rocks are strongly foliated to schistose and are very similar to the broad alteration zones seen at Brucejack Plateau 12 kilometres to the northeast (Britton and Alldrick, 1988). Soil samples locally return analyses in excess of 1 ppm gold.

Two kilometres to the east, Ken Konkin discovered a massive pyrite-siderite float boulder with visible gold. Prospecting uphill led to the discovery of the GFJ veins (Minfile #233), apparently flat-lying, zoned siderite-quartz-sulphide veins that returned assays up to 121 grams per tonne gold (Kruchkowski and Sinden, 1988). The veins are poorly exposed. Float blocks seen this year display symmetrical zoning from margin to core across vein widths of 10 to 15 centimetres. Vein margins are 1 to 2 centimetres of thin white quartz layers separated by hairline accumulations of very fine-grained tin-white sulphide, probably arsenopyrite. The core is a very coarse-grained intergrowth of siderite, milky quartz, and cubes and clusters of pyrite, with lesser amounts of sphalerite and chalcopyrite as crystals and irregular masses. Rare tetrahedrite and visible gold have been observed (K.Konkin, personal communication, 1988). The veins cut variably foliated andesitic ash tuffs with thin interbeds of foliated to schistose siltstones.

The Doc prospect (Minfile #014) is located at treeline on a ridge overlooking the South Unuk River, opposite the mouth of Divelbliss Creek. The prospect consists of several west-northwest trending quartz veins up to 2 metres wide that have surface strike lengths of up to 275 metres (Gewargis, 1986). The main veins (Q17, Q22) are massive white quartz with sparse sulphide mineralization (5% to 10%) consisting of galena, pyrite, chalcopyrite, and sphalerite, with associated specular hematite and magnetite. Precious metal values are mostly confined to the sheared edges of veins and immediately adjacent wallrock. Shear zones with very little quartz may also return good values. Seraphim (1948) observed that gold was associated with either specular hematite or with galena and pyrite, but not with chalcopyrite and pyrite assemblages. The veins are a true fissure type, crosscutting folded and metamorphosed andesitic tuffs and thin-bedded sediments, including marble, that have been intruded by irregular dioritic dykes or sills and small monzodioritic plugs. The veins are different from any others seen in the Sulphurets or Unuk map areas. They have very restricted wallrock alteration aureoles, no apparent zoning, and appear to be limited to a few large fluid pathways. In this, they display characteristics of mesothermal veins. Structural control of the vein sets has not been determined but may be due to fractures related to folds in the host rocks. Total mineral inventory of the Q17 and other veins is given as 426,000 tonnes with 9.26 grams per tonne gold and 44.91 grams per tonne silver (*Northern Miner*, November 7, 1988).

Porphyry-type disseminated pyrite, chalcopyrite, and molybdenite mineralization occurs immediately north and south of King Creek, west of Harrymel Creek. Two properties have been worked: the VV to the south and the Cole to the north.

The VV property (Minfile #079) is the site of a heavily weathered monzonitic intrusive body in fault contact, on the east and west, with layered andesitic lapilli tuffs and tuff breccias with minor siltstone and calcareous sandstone interbeds. The stock is 250 metres wide, at least 6 kilometres long, strikes northerly, and dips steeply to the west, parallel to the country rocks. Chalcopyrite occurs in quartz stockworks and as fine disseminations within the monzonite. Molybdenite, sphalerite, malachite, and azurite have also been reported (Winter and McInnis, 1975; Mawer et al., 1977). Representative assays give 0.34% copper, 0.003% molybdenum, 2.1 grams per tonne silver, and 0.8 gram per tonne gold. Maximum gold and silver values obtained were 8.65 grams per tonne gold and 19.54 grams per tonne silver (Mawer et al., 1977).

The Cole prospect (Minfile #209) is situated approximately 4 kilometres north of the VV claims; it appears to be on strike with the same fault system and has similar intrusive and country rocks. Mineralization consists of up to 10% pyrite as disseminations and fracture fillings. Minor chalcopyrite and malachite have been reported but the bedrock source of the gold/silver soil anomalies has not been located (Korenic, 1982; Gareau, 1983). Reported assays range up to 0.43% copper, 7.12 grams per tonne gold, and 13.03 grams per tonne silver. Gold and copper values show a positive correlation on both properties.

At this time, the Eskay Creek prospect, located 32 km northeast of the FLORY claims, is the most significant showing in the area. This prospect comprises at least eight mineralized zones occurring over a strike length of 1800 m within a sequence of felsic volcanics (Mount Dilworth Formation). This property is currently being explored by Calpine and Consolidated Stikine Silver. Preliminary drilling on the #21 Zone intersected 96 feet assaying 0.752 oz/ton gold and 1.13 oz/ton silver including 52.5 feet grading 1.330 oz/ton gold and 1.99 oz/ton silver (*Northern Miner*, November 7, 1988).

The drilling results obtained to date indicate that the #21 Zone extends over 335 m and is open along strike and at depth. Based on the results of 70 drill holes completed to June 1, 1989, a preliminary geological reserve of 2.8 million tons grading 0.23 oz/ton gold and 3.3 oz/ton silver was calculated for the '21 Zone' (Consolidated Stikine Silver, 1989 Annual Report). These deposits have been variously described as silicified shear zones (Harris, 1985) or as volcanogenic deposits (Donnelly, 1976). The mineralization is associated with disseminated sulphides in felsic volcanic breccias and graphitic argillites in contact with overlying intermediate volcanic rocks.

A review of all the available information (Minfile, assessment reports, geological maps, reports, etc.) indicates that one mineralized occurrence is known within the area currently covered by the FLORY property. The McQuillan Ridge showing (Minfile #220) occurs near the southeastern boundary of the property. It is portrayed as mid-Jurassic diorite dykes which contain minor copper mineralization and crosscut altered and limonitic schists.

The Jim-Flory showing (Minfile #219) occurs 0.75 km south of the property. It is described as a zone of sporadic alteration within a tuff, and skarn alteration noted in some sedimentary units. Magnetite, pyrite, and chalcopyrite occur within the altered zone. Gold values of about 64 grams/ tonne were reported from this area in 1911.

Two copper showings (Minfile #224 and #225) occur north of the property within and adjacent to the Flory Creek Fault zone. This zone extends across the northwestern corner of the FLORY 4 mineral claim.

1989 EXPLORATION PROGRAM

The 1989 exploration program, completed between September 9 and October 16, consisted of helicopter-supported reconnaissance prospecting, geological mapping, and geochemistry (lithogeochemical, stream silt, and heavy mineral sampling). Areas of known mineralization and gossans noted within the area were investigated and sampled.

A total of 87 rock, 19 stream silt, and 13 heavy mineral samples were forwarded to Bondar-Clegg & Company in Vancouver for multi-element analyses; Au by fire assay-AA and the remaining 29 elements by I.C.P. (results are presented in the Appendix, along with rock sample descriptions).

The accompanying map depicts the property geology (modified after Britton et al.,1989), with 1989 prospecting traverses, sample locations, and Au/Ag/As/Sb analytical results. Descriptions of the exploration completed and the results follow.

ROCK GEOCHEMICAL SAMPLING

Reconnaissance prospecting and geochemical sampling were completed over selected parts of the property. This work was concentrated in the upland areas and in the drainage courses of the claims where rock exposures were most abundant, and in the area north of Flory Lake which previous exploration efforts would have neglected due to the dense forest growth and difficult terrain.

The property is underlain primarily by the Upper Triassic to Lower Jurassic Unuk River Formation consisting of andesitic volcanic flows and tuffs, with narrow discontinuous argillite beds and occasional thin beds and discontinuous lenses of limestone, that have been intruded by irregular dioritic dykes or sills. Massive discontinuous magnetite lenses occur within the volcanics underlying the southern portion of the property.

A small area underlain by argillite, silty sandstone, and quartzite (probably of Middle Jurassic age) was located in the southwestern corner of the property.

A number of argillite, chert, and quartzite outcrops were located in the northeastern corner of the FLORY 4 claim. These rocks probably belong to the Stuhini Group, which regional government mapping indicates extends into the northern edge of the property.

Copper mineralization was located adjacent to the property boundary in the southeast corner of the FLORY 2 claim. The area is underlain by andesite tuff containing massive magnetite lenses and narrow discontinuous argillite beds. Two occurrences were located. Massive sulphides (pyrite, pyrrhotite, chalcopyrite, magnetite) occur in a one-metre wide rusty weathering black argillite exposed for 10 m. A grab sample yielded 2777 ppm copper.

The second occurrence consists of minor chalcopyrite and spotty malachite staining in a 2 m wide zone adjacent to a limestone/argillite contact. The mineralization occurs in the black argillite and was traced for 25 m. A grab sample from an extensively malachite-stained area yielded 1.68% Cu.

The McQuillan Ridge copper showing (Minfile #220) is reportedly located southeast of this area; however, this showing was not re-located during the current exploration program.

An area containing a number of fractured zones with quartz-carbonate flooding, stringers, and veinlets up to 10 cm wide and isolated quartz-carbonate veinlets up to 15 cm wide, occurring within andesite tuff was located on the SAM 1 mineral claim. Two preferred orientations are recorded for the fractured zones or quartz-carbonate veinlets: 048°-075° and 156°-160°. Sulphide mineralization is generally restricted to the quartz-carbonate veining. A number of grab samples yielded anomalous Ag, Pb, and Zn values. One sample yielded a weakly elevated Au value. In this same area, a float sample of a quartz-carboante boulder yielded 1130 ppm copper.

A summary of the sampling completed in this area, along with anomalous analytical results follows:

Sample	Au ppb	Ag	Pb	Zn	Description
FPR-28	11	--	--	--	5 m wide quartz-flooded stringers and fractured zone, 5% sulphides, @ 160°
FPR-29	33	10.7 ppm	4816 ppm	--	2 m wide fractured zone with up to 10 cm quartz-carbonate veinlets, @ 048°
FPR-30	<5	--	--	--	10 cm quartz-carbonate veinlet, @ 158°
FPR-31	<5	--	--	--	15 cm quartz-carbonate veinlet, @ 065°
FPR-32	<5	--	--	--	3 m wide limonitic zone, @ 065°
FPR-33	270	2.6 oz/T	20.05%	--	0.5 m wide fractured zone with quartz-carbonate veinlets, @ 156°
FPR-34	16	4.3 ppm	2649 ppm	4001 ppm	25 m wide fractured zone with quartz-carbonate stringers, @ 075°
FPR-35	7	--	--	--	2 m wide fractured zone, @ 106°

Additional exploration is required in this area to determine the significance of this mineralization. The exploration should consist of additional prospecting, detailed geological mapping, and systematic chip sampling across the fractured quartz-carbonate enriched zones to determine the width and extent of the mineralization. This area may contain mineralization similar to that found on the Mount Madge prospect in which a stockwork of thin quartz veinlets occurs in intensely altered fine-grained tuffaceous andesite or dacite.

A grab sample of fine-grained dacite(?) tuff located in the southeast corner of the FLORY 1 claim yielded 1.19% Zn. This area also requires additional investigation to determine the significance of this sphalerite mineralization. In this same area, a 14 cm quartz-carbonate veinlet yielded 1285 ppm Cu.

A number of generally 20 to 50 cm wide quartz veins within andesite tuff were located in the north-central portion of the FLORY 2 claim. Two areas were located in which the veins widen up to 2 m over a short distance. A number of grab samples yielded elevated to anomalous Au, Ag, Cu, and/or Zn values. A summary of the sampling completed in this area, along with anomalous analytical results, follows:

Sample	Au ppb	Ag	Cu ppm	Zn ppm	Description
FZR-38	335	46.2 ppm	-	2227	float, quartz vein
FZR-39	330	44.9 ppm	1191	1736	30 cm quartz vein, exposed for 2 m, @ 160°
FZR-40	<5	4.0 ppm	1205	-	numerous quartz stringers in andesite tuff
FZR-41	129	14.7 ppm	1923	-	50 cm quartz vein widens to 2 m in this area, @ 310°
FZR-42	791	4.37 oz/T	8200	-	20 cm quartz vein, exposed for 20 m, @ 310°
FZR-43	350	21.7 ppm	-	-	1.5 x 3.0 m quartz pod

Additional exploration work is required in this area. The elevated precious metals values associated with the quartz veining may indicate underlying mineralization similar to that found at the nearby "Doc" prospect in which precious metals mineralization is associated with several west-northwest trending quartz veins up to 2 m wide.

One sample of a highly fractured andesite with quartz veinlets (from the south-central edge of the FLORY 3 claim) yielded a weakly elevated gold (110 ppb) value, and a grab sample from a 15 cm quartz vein (from the southwest corner of the FLORY 2 claim) yielded weakly elevated gold (159 ppb) and copper (2838 ppm) values. In addition to these samples, a grab sample from gneissic quartzite located in the southwestern portion of the FLORY 3 claim yielded elevated lead (1095 ppm) and zinc (3102 ppm) values.

STREAM SILT SAMPLING

Stream sediment geochemical sampling was conducted on the property as part of the current exploration program. Samples were collected whenever streams were crossed during reconnaissance prospecting of the area. Rather than complete a statistical analysis of the geochemical results obtained during this survey, the designation of anomalous values is based on the regional Geological Survey of Canada results in Open File 1645.

Based on these criteria, there were no anomalous precious metals values detected by this survey. One sample (FPL-9), from a stream located in the northeastern corner of the FLORY 4 claim, yielded elevated chromium (824 ppm) and nickel (357 ppm) values.

HEAVY MINERAL SAMPLING

A heavy mineral stream sediment sampling survey was conducted on the property as part of the current exploration program. Heavy mineral samples were collected in parts of a creek where there is a sudden transition from high to low energy, if present, moss mat was used. Samples were sieved to -20 mesh and a 3 to 5 kg sample of sieved material was collected.

The samples were forwarded to Bondar-Clegg and Company in Vancouver for multi-element analyses: Au by fire assay-AA and the remaining 29 elements by I.C.P. The heavy mineral separation consists of floating off the light (<3.3) minerals using methylene-iodine followed by magnetic separation. A sample weight of 0.5 grams is taken for the I.C.P. and the remainder used for fire assay.

The heavy mineral sampling survey was conducted by Mr. M. Waskett-Myers of Keewatin Engineering Inc. which company has done a considerable amount of work in the Unuk River area, and in the process, has assembled a fairly substantial data base. These data were used to assess the values obtained on the property.

Heavy mineral sampling is a good first-pass tool and should be considered as a micro-prospecting approach to evaluating an area.

A total of 13 heavy mineral samples were collected from creeks draining the property area, and reflect background values in all the elements. Sample FWH-5 yielded a weakly elevated gold value of 104 ppb. Reconnaissance prospecting in this drainage area located highly fractured andesite with quartz veinlets which yielded weakly elevated gold of 110 ppb.

SUMMARY AND RECOMMENDATIONS

The 1989 exploration program consisted of helicopter-supported reconnaissance prospecting, geological mapping, and geochemical sampling, with the objective of evaluating the property's potential for hosting economic precious metals deposits. This work was concentrated in the areas of reported mineralization, in the upland areas, in the drainage courses of the claims where rock expsoures are most abundant, and in the area north of Flory Lake which previous exploration efforts would have neglected due to the dense forest growth and difficult terrain.

The Flory Creek fault zone cuts diagonally across the FLORY 4 claim. The Minfile plots two copper occurrences within and adjacent ot this fault zone, north of the property boundary. Prospecting along this fault zone did not locate any mineralization.

Copper mineralization, of probable limited extent, was located adjacent to the property boundary, in the southeast corner of the FLORY 2 claim. The McQuillan Ridge copper showing is reportedly located southeast of this area, but was not relocated during the current exploration program.

An area containing a number of fractured zones with quartz-carbonate flooding, stringers, and veinlets up to 10 cm wide occurring within andesite tuff was located on the SAM 1 mineral claim. Sulphide mineralization is generally restricted to the quartz-carbonate veining. A number of grab samples yielded anomalous Ag, Pb, and Zn values.

Additional exploration is required in this area to determine the significance of this mineralization. The exploration should consist of additional prospecting, detailed geological mapping, and systematic chip sampling across the fractured quartz-carbonate enriched zones to determine the width and extent of the mineralization. This area may contain mineralization similar to that found at the Mount Madge prospect in which a stockwork of thin quartz veinlets occurs in intensely altered fine-grained tuffaceous andesite or dacite.

A grab sample of fine-grained dacite tuff, in the southeast corner of the FLORY 1 claim, yielded 1.19% Zn. This area also requires additional investigation to determine the significance of the sphalerite mineralization.

A number of quartz veins (generally 20 to 50 cm wide, widening up to 2 m over short distances) within andesite tuff were located in the north-central part of the FLORY 2 claim. A number of grab samples yielded elevated to anomalous Au, Ag, Cu, and/or Zn values. The elevated precious metals values associated with the quartz veining may indicate underlying mineralization similar to that found at the nearly DOC prospect in which precious metals mineralization is associated with several west-northwest trending quartz veins up to 2 m wide. Additional exploration work is required in this area.

In addition to these areas, a grab sample from gneissic quartzite, in the southwest part of the FLORY 3 claim, yielded elevated lead and zinc values. Additional exploration should be completed in this area to determine the significance of these elevated values.

Stream silt geochemical samples were collected whenever streams were crossed during reconnaissance prospecting. There were no anomalous precious metals values detected by the survey. Additional stream silt sampling may be useful in evaluating the property; however, the steep topography and the deeply incised nature of the drainage courses would make this extremely difficult.

A heavy mineral stream sediment sampling survey was completed over the property as part of the 1989 exploration program, and yielded background values for all the elements.

CERTIFICATE - C. H. Aussant

I, Claude Henry Aussant, of 31 Templebow Way N.E. in the City of Calgary in the Province of Alberta, do hereby certify that:

1. I am a Consulting Geologist with the firm of Taiga Consultants Ltd. with offices at Suite 400, 534 - 17th Avenue S.W., Calgary, Alberta.

2. I am a graduate of the University of Calgary, B.Sc.Geology (1976), and I have practised my profession continuously since graduation.

3. I am a member in good standing of the Association of Professional Engineers, Geologists and Geophysicists of Alberta; and I am a Fellow of the Geological Association of Canada.

4. I am the author of the report entitled "Geological, Prospecting, and Geochemical Report on the **Flory Property**, FLORY 1-4 and SAM 1-2 Mineral Claims, Skeena Mining Division, British Columbia", dated November 6, 1989. I personally worked on the property during the program described herein.

5. I do not own or expect to receive any interest (direct, indirect, or contingent) in the property described herein nor in the securities of **Prolific Resources Ltd.**, in respect of services rendered in the preparation of this report.

DATED at Calgary, Alberta, this 6th day of November, A.D. 1989.

Respectfully submitted,

C. H. Aussant, B.Sc., P.Geol., F.GAC

PERMIT TO PRACTICE
TAIGA CONSULTANTS LTD.
Signature
Date January 17, 1990
PERMIT NUMBER: P 2399
The Association of Professional Engineers, Geologists and Geophysicists of Alberta

GEOLOGICAL ASSOCIATION OF CANADA
C. H. AUSSANT
FELLOW

PROFESSIONAL GEOLOGIST ALBERTA
CLAUDE H. AUSSANT

CERTIFICATE

I, DAVID GEORGE DuPRE, of 56 Parkgrove Crescent in the Municipality of Delta in the Province of British Columbia, do hereby certify that:

1) I am a graduate of the University of Calgary, B.Sc. Geology (1969), and have practised my profession continuously since graduation.

2) I am a member in good standing of the Association of Professional Engineers, Geologists and Geophysicists of Alberta; and I am a Fellow of the Geological Association of Canada.

3) I am a consulting geologist with the firm of Keewatin Engineering Inc. with offices at Suite 800 - 900 West Hastings Street, Vancouver, British Columbia.

4) I am the co-author of the report entitled "Geological, Prospecting, and Geochemical Report on the **Flory Property**, FLORY 1 to 4 Mineral Claims, Skeena Mining Division, British Columbia", dated November 6, 1989. I personally supervised the work on the property and visited the site on two occasions between September 6 and October 15, 1989.

5) I do not own or expect to receive any interest (direct, indirect or contingent) in the property described herein nor in the securities of **Prolific Resources Ltd.**, in respect of services rendered in the preparation of this report.

Dated at Vancouver, British Columbia this 6th day of November, A.D. 1989.

Respectfully submitted,

David G. DuPre, B.Sc., P.Geol., FGAC

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A P P E N D I X

Summary of Personnel
Rock Sample Descriptions
Certificates of Analysis
Analytical Techniques

* *

SUMMARY OF PERSONNEL

Name / Address	Position	Dates	Man Days
C. H. Aussant Calgary, Alberta	Project Geologist	Sep.9-Oct.16	4.50
B. C. Beattie Calgary, Alberta	Assistant Geologist	Sep.9-Oct.16	6.00
M. Waskett-Myers Vancouver, B,C.	Geochemist	Sep.9-Oct.16	4.25
B. McIntyre Vancouver, B.C.	Senior Prospector	Sep.9-Oct.16	3.00
S. Hardlotte LaRonge, Sask.	Senior Prospector	Sep.9-Oct.16	8.00
Don McLeod LaRonge, Sask.	Senior Prospector	Sep.9-Oct.16	7.00
Dennis McLeod Stanley Mission, Sask.	Junior Prospector	Sep.9-Oct.16	8.00
Irvine Roberts Stanley Mission, Sask.	Junior Prospector	Sep.9-Oct.16	7.00
C. Oevermann Smithers, B.C.	Cook	Sep.9-Oct.16	6.25
		TOTAL	54.00

ROCK SAMPLE DESCRIPTIONS

	Au ppb	
FCR-004	111	1.68% Cu; grab o/c; rusty weathered argillite, argillite/limestone sequence in andesite tuff; argillite rusty weathering, diss pyrite, spots with malachite staining, minor chalcopyrite; sample collected of malachite stained spot; black argillite convoluted foliation, brecciated; ~2 m wide zone with spotty malachite staining, traced for 25 m adjacent to limestone/argillite contact, strike 085°
FCR-005	13	2777 ppm Cu; grab o/c; black argillite, 1 m wide band rusty weathered; exposed for 10 m; enclosed by andesite tuff; massive sulphides pyrite, pyrrhotite, chalcopyrite, magnetite; minor chalcedonic quartz
FCR-006	159	2838 ppm Cu; grab o/c; 15 cm quartz vein, minor malachite staining, minor chalcopyrite and pyrite in massive andesite tuff, small limestone lens occurring adjacent to the veining; vein strikes 170° dips 35°E; feldspar porphyry dyke above the quartz vein strikes 130° dips 40°SW
FCR-007	<5	grab o/c; quartz stringers with minor pyrite; in a mudstone unit 3 m wide; quartz stringers widen into pods up to 30 cm wide; sample collected of both a stringer and a quartz pod.
FVR-004	<5	talus; argillite, diss pyrite, minor pyrrhotite
FVR-005	<5	talus; argillite with numerous qtz stringers and veinlets
FVR-006	<5	talus; greenish grey argillite, rusty weathering, pyrrhotite up to 2%
FVR-007	<5	talus; boulder $6m^3$; greenish grey andesite tuff with magnetite stringers up to 5 cm wide, stringers pinch and swell; trace bornite
FVR-008	10	grab o/c; 1 m wide andesite tuff, pyritic, limonite stained, cherty, fine-grained, pale grey; up to 5% diss pyrite
FVR-009	31	grab o/c; shear zone 70 cm wide, exposed for 2 m, 032°/ 80°W; siliceous, quartz stringers and pyrite stringers
FVR-010	<5	float; argillite from 30 cm diameter boulder; pyrrhotite and pyrite stringers
FVR-011	<5	float; 4 cm wide quartz-carbonate veinlet in pale greenish grey andesite; pyrite crystals, speckles of malachite

	Au ppb	
FVR-012	<5	grab o/c; numerous quartz veinlets 1 mm to 10 cm in a 2 m zone 038°/50°S; in argillite, pyrite crystals up to 2% in the quartz
FVR-017	<5	grab o/c; greenish grey andesite tuff, 1-2% diss Py crystals, rusty stained gossan along the creek
FVR-018	7	grab o/c; greenish grey andesite tuff, 2% diss Py crystals, zone 3 m wide
FVR-019	13	grab o/c; same as above; gossanous area 2 x 6 m; trace pyrite
FVR-020	<5	1130 ppm Cu; float; quartz-carbonate vein, boulder sub-rounded, containing green andesite clasts; pyrite, minor pyrrhotite, malachite, trace chalcopyrite, <1% sulphides
FVR-021	71	grab o/c; quartz-carbonate vein 15 cm wide 125°/66°E, most of the vein contains angular andesite clasts up to 3 cm, large rusty pockets, and minor blebs pyrite, occ magnetite stringers; <1% diss pyrrhotite, pyrite
FVR-022	<5	689 ppm As; grab o/c; pale green andesite tuff; diss pyrite, minor pyrrhotite, 1-2% diss sulphides, porphyritic
FVR-023	11	11892 ppm Zn; grab o/c; grey fine-grained andesite tuff (dacite?); sphalerite, minor pyrrhotite, light grey spec-ularite, trace chalcopyrite, pyrite stringers
FVR-024	<5	grab o/c, pale grey cherty andesite tuff, diss pyrite, pockets of pyrrhotite, up to 1%
FVR-025	10	float; below cliff, quartz vein in fine-grained green andesite tuff, minor pyrite in the andesite, quartz is fracture filling
FZR-036	<5	grab o/c; pink, aphanitic rhyolite dyke; fractures coated with specularite
FZR-037	6	float, very fine-grained granodiorite with 1-2% diss pyrite and pyrrhotite
FZR-038	335	46.2 ppm Ag, 2227 ppm Zn; float; quartz vein, crystalline, diss sulphides, percent variable, portions <1%, other portions 10%
FZR-039	330	44.9 ppm Ag, 1191 ppm Cu, 1736 ppm Zn; grab o/c; quartz vein, same as above, 30 cm wide, 2 m exposed; malachite in wall-rock, strikes 160°

	Au ppb	
FZR-040	<5	1205 ppm Cu; grab o/c; buff coloured very fine-grained tuff; numerous quartz stringers, chrysocolla staining fracture planes; same area as FZR-039
FZR-041	129	14.7 Ag, 1923 ppm Cu; grab o/c; quartz vein, crystalline, 1% pyrite, minor chrysocolla lining fracture plane, generally 50 cm wide, area widens to 2 m, strikes 310°
FZR-042	791	4.37 oz/ton Ag, 8200 ppm Cu; grab o/c; quartz vein 20 cm wide exposed for 20 m, limonite stained, 1-2% pyrite, chalcopyrite; minor chrysocolla staining; same area as FZR-041
FZR-043	350	21.7 ppm Ag; grab o/c; quartz vein, greyish white, 5-7% diss pyrite, quartz pod 1.5 x 3 m
FZR-044	6	grab o/c; brecciated quartz / diorite dyke 2 m wide, limonite stained, 5% pyrite, trace chalcopyrite
FZR-045	110	grab o/c; highly fractured andesite with quartz veining, limonite stained, diss 2-4% pyrite, trace pyrrhotite, minor chalcopyrite
FZR-046	8	grab o/c; beige coloured rhyolite dyke, 1-3% diss Po
FZR-047	8	grab o/c; light to medium grey diorite dyke 20 cm wide, qtz stringers, 1% diss pyrite, limonite stained, well laminated
KZR-062	<5	grab o/c; mottled mauve andesite tuff, minor pyrite
KZR-063	8	float; black argillite, rusty weathered, 1% Py as stringers and disseminations, very angular boulder 1 x 2 m
KZR-087	38	grab o/c; black argillite, very fine diss pyrite, wavy laminations
KZR-088	<5	grab o/c; quartzite, weakly banded, grey to black; 1-2% diss pyrite
KZR-089	<5	grab o/c; diorite, black, very fine-grained, 3-5% diss pyrite and pyrrhotite, minor pyrrhotite stringers
FOR-033	<5	grab o/c; brecciated calcite with angular volcanic fragments; minor pyrite, chalcopyrite, trace malachite; strikes 100°, 4 cm wide veinlet
FOR-034	<5	float; green andesite tuff, calcite stringers, <1% diss Py, minor pyrite stringers
FOR-035	5	grab o/c; black andesite tuff, strongly magnetic, diss magnetite, 1% diss pyrite

	Au ppb	
FOR-036	11	grab o/c; same location as FOR-035; medium grey to black andesite with magnetite bands, 2% diss pyrite
KOR-082	<5	grab o/c; massive diorite, minor pyrite
KOR-083	<5	grab o/c; rusty weathered silty sandstone, minor pyrite
KOR-084	<5	1095 ppm Pb, 3102 ppm Zn; grab o/c; quartzite, gneissic foliation, minor disseminated pyrite
FER-022	<5	float; medium grey tuff, cherty, quartz stringers, minor disseminated pyrite, pockets up to 5% pyrite
FER-023	<5	grab o/c; pale grey andesite tuff, 1% disseminated pyrite, massive, cherty
FER-024	<5	1285 ppm Cu; grab o/c; quartz vein 14 cm wide exposed for 20 m, crystalline, chrysocolla staining, minor pyrite and chalcopyrite
FER-025	11	grab o/c; medium grey andesite tuff, 3% diss pyrite
FER-026	<5	grab o/c; medium greenish grey andesite, disseminated magnetite, strongly magnetic, trace pyrite
FER-027	9	grab o/c; black argillite, 2% diss pyrite, limonite stained
FER-028	<5	grab o/c; banded green rhyodacite, minor disseminated pyrite, minor quartz veinlets
FER-029	8	grab o/c; green andesite, strongly magnetic, diss magnetite, <1% disseminated pyrite
FER-064	<5	float; light grey andesite tuff, rusty weathered, <1% diss pyrite, 1% pyrrhotite, minor quartz-carbonate stringers
FER-065	11	grab o/c; medium grey andesite tuff, pyrite pockets, pyrite lining fracture planes, disseminated magnetite, strongly magnetic
FER-094	<5	grab o/c; beige to grey quartzite, trace pyrite
FER-095	9	grab o/c; grey chert, <1% disseminated pyrite
FER-096	<5	grab o/c; dark grey to black andesite tuff, <1% pyrite
FER-097	<5	float; 2 cm quartz veinlet in dark grey to black andesite, trace disseminated pyrite
FPR-027	8	grab o/c; aphanitic tuff, buff to light green-grey, variably disseminated pyrite generally <1% with spots of 10%

	Au ppb	
FPR-028	11	grab o/c; pale grey tuff, quartz flooding and stringers, very fine disseminated pyrite, calcite stringers, 5% sulphides, zone 5 m wide, strikes 160°, dips steeply east
FPR-029	33	4816 ppm Pb; grab o/c; quartz veinlets up to 10 cm wide in light grey aphanitic calcareous tuff, minor disseminated Pb, Cpy, Py in the quartz veinlets, in 2 m shear striking 048°/ vertical (5 m east of FPR-028)
FPR-030	<5	grab o/c; quartz-carbonate veining in green andesite tuff, minor pyrite, limonite stained, 10 cm wide, 158°/east dip
FPR-031	<5	grab o/c; 15 cm quartz-carbonate vein striking 245°, weakly crystalline, minor disseminated pyrite
FPR-032	<5	grab o/c; pale to medium grey tuff, quartz-carbonate stringers and veinlets, 1-2% disseminated pyrite, minor pyrite stringers, strike 245°, limonite stained zone 3 m wide
FPR-033	270	2.6 oz/ton Ag, >10,000 ppm Pb, 20.05% Pb; grab o/c; light grey tuff, highly fractured, quartz-carbonate veining and fracturing filling, portions of the quartz-carbonate veinlets have 30% Pb disseminations, minor disseminated pyrite, zone 0.5 m wide, strike 156°
FPR-034	16	2649 ppm Pb, 4001 ppm Zn; grab o/c; grey calcareous tuff, quartz-carbonate stringers, fractured, minor slickensides, chloritic along slickenside surfaces, 5% disseminated pyrite, zone 25 m wide, strike 075°
FPR-035	7	grab o/c; quartz/quartz-carbonate/carbonate stringers/ flooding/veinlets in a highly fractured medium grey tuff, minor disseminated pyrite, zone 2 m wide, strike 106°
FPR-036	<5	1836 ppm Pb; float; quartz-carbonate vein with pockets of galena, <1% disseminated pyrite, trace pyrrhotite
FPR-037	<5	grab o/c; quartz-carbonate vein in andesite tuff, 1% diss pyrite, andesite fragments in the vein, zone strikes 124°
FPR-038	18	grab o/c; quartz vein 30 cm wide striking 124°, <1% diss pyrite, trace chalcopyrite, trace malachite, magnetite bleb (10 m from FPR-037)
FPR-039/A	<5	grab o/c; buff limestone, minor disseminated chalcopyrite, pyrite and quartz stringers, strikes 160°/ vertical
FPR-039/B	<5	grab o/c; quartz-carbonate flooded grey andesite tuff, minor disseminated pyrite

	Au ppb	
FPR-040	<5	float; crystalline quartz veins with minor pyrite as disseminations and pyrite blebs in fractured pyritic (5%) tuff
FPR-041	20	grab o/c; fractured greenish grey andesite tuff, pyrite stringers, quartz stringers, pockets of 5-10% pyrite, remaining area minor disseminated pyrite
FPR-042	<5	grab o/c; very fine-grained quartz diorite, pyrrhotite stringers, <1% disseminated pyrite (cooked andesite?)
FPR-043	<5	grab o/c; quartz veining 3-5 cm wide with pockets of pyrite and inclusions of argillite, in black argillite with minor pyrite
FPR-044	15	grab o/c; rhyodacite tuff, highly fractured, limonitic, calcareous, trace pyrite
KPR-066	6	grab o/c; dark green andesite, 2% disseminated pyrrhotite, minor pyrite, disseminated magnetite, rusty weathered
KPR-067	28	grab o/c; fractured green andesite, zone 4-5 m wide, strikes 050°, numerous calcite stringers and fracture fillings, 3% disseminated pyrite
KPR-068	<5	grab o/c; 15 cm wide grey quartz vein with <1% diss pyrite in dark grey andesite tuff (same location as KPR-067)
KPR-069	9	grab o/c; quartz vein, minor disseminated Po,Py, numerous green (epidote?) stringers throughout
KPR-090	7	grab o/c; black argillite, minor pyrite, strike 030°/vertical
KPR-091	<5	grab o/c; black argillite, 5% disseminated pyrite
KPR-092	<5	grab o/c; pinkish grey andesite tuff, fractured, minor quartz flooding, with recrystallization of adjoining andesite
KPR-093	<5	float, quartz, minor pyrite

KEEWATIN ENGINEERING INC.

STREAM SEDIMENTS

Project: Flory.

Area (Grid):

Collectors:

Results Plotted By:

Map: N.T.S.:

Date:

Sample Number	NOTES	SEDIMENT DATA: Gravel	Sand	Silt	Clay	Organic	STREAM DATA: Bank	Active	Width	Depth	Velocity	SPRING	DRY GULLY
FVL001	Silt collected from moss roots			✓					1.0	0.1			
FVL002			✓	✓			✓		2.0	0.1			
FZL018				✓					1.0	0.01			
FZL-019				✓					1.0	0.05			
FZL-020				✓					1.5	0.2			
KZL027				✓					2.0	0.1			
KZL028				✓					3.0	0.2			
KZL035	Grano-diorite o/c.			✓					2.0	0.15			
KZL036				✓					2.0	0.15			
FOL037		✓											✓
FOL038		✓							0.5	0.05		✓	
KOL054		✓		✓					4.0	0.08			
KOL055		✓		✓					2.0	0.04			
FEL066				✓					3.0	0.1			
FEL067					✓				6.0	0.1			
FPL009			✓	✓					1.0	0.2			
KPL029		✓	✓	✓					3.0	0.1			
KPL030		✓		✓					4.0	0.1			

23-03-X

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R2 89FC-R004	FLORY ↓	111	5.0	52	228	<0.5	<2	2	25	48	187	>20000
R2 89FC-R005		13	1.2	79	66	<0.5	13	<1	<5	359	24	2777
R2 89FC-R006		159	9.4	68	99	<0.5	2	4	<5	373	23	2838
R2 89FC-R007		<5	0.7	<5	127	<0.5	<2	<1	<5	18	179	200
R2 89FO-R033		<5	0.2	11	6	<0.5	<2	<1	<5	1	64	560
R2 89FO-R034		<5	<0.2	23	12	<0.5	<2	<1	<5	31	32	199
R2 89FV-R004		<5	<0.2	27	174	<0.5	<2	<1	<5	16	97	22
R2 89FV-R005		<5	<0.2	<5	41	<0.5	<2	<1	<5	2	349	59
R2 89FV-R006		<5	0.3	<5	80	<0.5	11	<1	<5	64	213	318
R2 89FV-R007		<5	<0.2	<5	156	<0.5	<2	<1	<5	28	92	12
R2 89FV-R008		10	0.6	15	44	<0.5	<2	<1	<5	20	126	58
R2 89FV-R009		31	0.3	35	155	<0.5	<2	<1	<5	17	114	81
R2 89FV-R010		<5	<0.2	<5	627	<0.5	<2	<1	<5	29	52	187
R2 89FV-R011		<5	0.2	9	61	<0.5	<2	1	<5	13	137	231
R2 89FV-R012		<5	<0.2	<5	74	<0.5	<2	<1	<5	5	141	125
R2 89FZ-R036		<5	<0.2	<5	27	<0.5	<2	<1	74	3	74	56
R2 89FZ-R037		6	<0.2	<5	7	<0.5	<2	<1	<5	71	38	411
R2 89FZ-R038		335	46.2	<5	22	<0.5	<2	155	<5	10	275	432
R2 89FZ-R039		330	44.9	6	92	<0.5	<2	118	<5	10	189	1191
R2 89FZ-R040		<5	4.0	8	41	<0.5	<2	5	66	6	96	1205
R2 89FZ-R041		129	14.7	<5	375	<0.5	<2	2	<5	13	316	1923
R2 89FZ-R042	↑	721	>50.0	7	48	<0.5	9	<1	<5	20	297	8200
R2 89FZ-R043	FLORY	350	21.7	<5	19	<0.5	<2	1	<5	14	243	261

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R2 89FC-R004		17	14	5	162	6	227	8	<20	<5	6	<20
R2 89FC-R005		58	<1	22	7	18	59	<2	136	48	10	38
R2 89FC-R006		41	<1	23	9	22	62	19	<20	27	11	<20
R2 89FC-R007		12	<1	12	3	4	11	<2	<20	<5	13	<20
R2 89FO-R033		<2	<1	3	<1	23	3	<2	<20	6	<1	<20
R2 89FO-R034		31	<1	18	<1	17	25	3	<20	<5	6	21
R2 89FV-R004		13	<1	7	1	9	9	<2	<20	<5	15	<20
R2 89FV-R005		3	3	<1	9	2	8	3	<20	<5	<1	<20
R2 89FV-R006		38	<1	9	<1	19	347	<2	<20	<5	10	<20
R2 89FV-R007		9	<1	13	3	6	8	<2	<20	<5	4	<20
R2 89FV-R008		5	<1	2	10	2	10	<2	<20	<5	10	<20
R2 89FV-R009		15	<1	7	2	10	11	<2	<20	<5	9	<20
R2 89FV-R010		17	<1	10	3	5	13	<2	<20	<5	18	<20
R2 89FV-R011		10	<1	5	2	5	5	19	<20	<5	3	<20
R2 89FV-R012		9	<1	3	9	5	3	<2	<20	<5	<1	<20
R2 89FZ-R036		5	41	<1	<1	8	2	13	<20	<5	<1	<20
R2 89FZ-R037		8	<1	7	6	5	22	<2	<20	<5	2	<20
R2 89FZ-R038		<2	<1	<1	6	<1	12	531	<20	<5	<1	<20
R2 89FZ-R039		<2	<1	<1	12	<1	15	414	<20	<5	<1	<20
R2 89FZ-R040		8	39	2	2	4	4	123	<20	<5	1	<20
R2 89FZ-R041		2	<1	2	10	1	17	85	<20	<5	<1	<20
R2 89FZ-R042		<2	<1	<1	13	<1	31	308	<20	<5	<1	<20
R2 89FZ-R043		<2	<1	<1	17	<1	20	507	<20	<5	<1	<20

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R2 89FC-R004		31	<10	12	1440	<10	36	139	17
R2 89FC-R005		41	<10	<10	137	<10	7	164	13
R2 89FC-R006		39	<10	<10	141	<10	7	169	13
R2 89FC-R007		63	<10	<10	91	<10	4	67	<1
R2 89FO-R033		194	<10	<10	8	<10	1	18	<1
R2 89FO-R034		49	<10	<10	147	<10	3	77	5
R2 89FV-R004		138	<10	<10	183	<10	4	47	3
R2 89FV-R005		3	<10	<10	44	<10	3	3	5
R2 89FV-R006		58	<10	<10	85	<10	4	43	8
R2 89FV-R007		89	<10	<10	54	<10	4	40	2
R2 89FV-R008		20	<10	<10	85	96	5	4	<1
R2 89FV-R009		118	<10	<10	118	<10	8	71	2
R2 89FV-R010		19	<10	<10	223	<10	7	108	<1
R2 89FV-R011		63	<10	<10	38	<10	3	132	2
R2 89FV-R012		38	<10	<10	22	<10	2	22	<1
R2 89FZ-R036		9	<10	<10	32	<10	<1	6	25
R2 89FZ-R037		27	<10	<10	51	<10	4	22	9
R2 89FZ-R038		1	<10	<10	4	11	<1	2227	<1
R2 89FZ-R039		5	<10	<10	9	<10	<1	1736	<1
R2 89FZ-R040		11	<10	<10	20	<10	9	96	1
R2 89FZ-R041		36	<10	<10	24	<10	<1	24	<1
R2 89FZ-R042		2	<10	<10	8	<10	<1	18	<1
R2 89FZ-R043		1	<10	<10	5	<10	<1	8	<1

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R2 89FE-R022	FLORY	<5	7.6	12	68	<0.5	<2	2	8	30	19	153
R2 89FE-R023	↓	<5	0.2	6	263	<0.5	<2	<1	<5	15	37	41
R2 89FE-R024		<5	2.6	<5	19	<0.5	<2	<1	<5	5	217	1285
R2 89FE-R025		11	<0.2	10	26	<0.5	<2	<1	<5	28	52	142
R2 89FP-R027		8	0.2	12	11	<0.5	<2	<1	<5	18	92	55
R2 89FP-R028		11	0.4	12	29	<0.5	<2	<1	<5	19	49	46
R2 89FP-R029		33	10.7	18	769	<0.5	<2	5	6	6	53	185
R2 89FP-R030		<5	0.7	<5	619	<0.5	<2	2	<5	10	100	7
R2 89FP-R031		<5	1.0	7	65	<0.5	<2	<1	9	7	168	90
R2 89FP-R032		<5	0.5	10	51	<0.5	<2	2	16	10	20	56
R2 89FP-R033		270	>50.0	91	50	<0.5	<2	45	<5	28	78	103
R2 89FP-R034		16	4.3	68	34	<0.5	<2	87	7	17	25	78
R2 89FP-R035		7	0.5	14	15	<0.5	<2	2	5	7	54	27
R2 89FP-R036		<5	3.3	13	29	<0.5	<2	23	<5	7	156	10
R2 89FP-R037		<5	<0.2	12	26	<0.5	<2	<1	<5	12	191	5
R2 89FP-R038		18	1.7	5	391	<0.5	<2	<1	<5	11	263	538
R2 89FP-R039A		<5	<0.2	<5	117	<0.5	<2	<1	<5	6	18	60
R2 89FP-R039B		<5	<0.2	<5	19	<0.5	<2	<1	<5	8	79	6
R2 89FP-R040		<5	<0.2	8	60	<0.5	<2	<1	8	5	159	10
R2 89FP-R041		20	<0.2	8	72	<0.5	<2	<1	<5	12	69	9
R2 89FV-R017		<5	0.3	<5	93	<0.5	<2	<1	<5	24	55	42
R2 89FV-R018		7	0.2	14	29	<0.5	<2	<1	<5	20	42	54
R2 89FV-R019		13	0.2	<5	46	<0.5	<2	<1	<5	25	30	23
R2 89FV-R020		<5	2.2	<5	901	<0.5	<2	<1	<5	5	235	1130
R2 89FV-R021		71	0.5	<5	251	<0.5	<2	<1	<5	7	164	214
R2 89FV-R022		<5	0.3	689	46	<0.5	<2	<1	9	25	6	152
R2 89FV-R023		11	0.2	<5	125	<0.5	<2	50	16	10	9	206
R2 89FV-R024	↑	<5	0.2	<5	29	<0.5	<2	<1	<5	28	53	144
R2 89FV-R025	FLORY	10	0.8	7	145	<0.5	<2	<1	<5	15	99	195

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R2 89FE-R022		5	1	3	2	9	15	28	99	8	9	<20
R2 89FE-R023		9	<1	7	1	5	5	<2	33	<5	1	<20
R2 89FE-R024		2	<1	3	2	1	16	6	<20	<5	1	<20
R2 89FE-R025		7	<1	10	2	4	23	<2	<20	<5	6	<20
R2 89FP-R027		6	<1	3	2	4	15	<2	29	<5	5	<20
R2 89FP-R028		7	<1	4	3	15	13	<2	<20	<5	4	<20
R2 89FP-R029		<2	<1	3	2	23	7	4816	<20	11	2	<20
R2 89FP-R030		7	<1	3	1	16	4	50	<20	<5	2	<20
R2 89FP-R031		12	3	2	3	9	3	25	31	<5	1	<20
R2 89FP-R032		10	6	2	3	10	<1	54	<20	<5	2	<20
R2 89FP-R033		13	<1	17	8	8	17	>10000	<20	28	5	<20
R2 89FP-R034		6	2	10	3	14	12	2649	<20	8	6	<20
R2 89FP-R035		<2	2	6	<1	26	7	391	71	<5	3	<20
R2 89FP-R036		9	<1	4	2	10	8	1836	26	<5	3	<20
R2 89FP-R037		9	<1	4	2	5	13	30	<20	<5	4	<20
R2 89FP-R038		7	<1	1	4	4	14	19	<20	<5	1	<20
R2 89FP-R039A		<2	1	4	<1	23	9	16	33	<5	5	<20
R2 89FP-R039B		6	<1	4	1	14	5	<2	31	<5	4	<20
R2 89FP-R040		5	3	4	11	2	4	2	<20	<5	2	<20
R2 89FP-R041		5	<1	5	2	3	7	<2	<20	<5	5	<20
R2 89FV-R017		10	<1	11	2	5	21	<2	<20	<5	3	<20
R2 89FV-R018		4	<1	9	1	3	24	<2	42	<5	4	<20
R2 89FV-R019		4	<1	2	5	3	6	<2	<20	<5	2	<20
R2 89FV-R020		9	<1	5	3	7	8	4	<20	<5	2	<20
R2 89FV-R021		9	<1	2	1	6	5	<2	<20	<5	3	<20
R2 89FV-R022		12	1	7	2	11	9	<2	53	<5	4	<20
R2 89FV-R023		11	6	3	2	10	<1	<2	37	24	1	<20
R2 89FV-R024		8	<1	10	2	4	23	<2	29	<5	7	<20
R2 89FV-R025		7	<1	12	1	2	10	<2	57	<5	12	<20

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Geochemical Lab Report

A DIVISION OF INCHCAPE INSPECTION & TESTING SERVICES

DATE PRINTED: 18-OCT-89

REPORT: V89-06873.0

PROJECT: FLORY

SAMPLE NUMBER	ELEMENT UNITS	Sr PPM	Ta PPM	Te PPM	V PPM	W PPM	Y PPM	Zn PPM	Zr PPM
R2 89FE-R022		117	<10	<10	37	<10	6	117	1
R2 89FE-R023		43	<10	<10	42	<10	3	70	6
R2 89FE-R024		5	<10	<10	16	<10	<1	18	<1
R2 89FE-R025		28	<10	<10	128	<10	3	38	2
R2 89FP-R027		57	<10	<10	74	<10	2	28	4
R2 89FP-R028		153	<10	<10	24	<10	7	75	1
R2 89FP-R029		392	<10	<10	10	<10	7	319	<1
R2 89FP-R030		360	<10	<10	19	<10	4	155	<1
R2 89FP-R031		129	<10	<10	9	<10	4	63	1
R2 89FP-R032		184	<10	<10	10	<10	7	126	3
R2 89FP-R033		184	<10	<10	17	<10	5	830	1
R2 89FP-R034		497	<10	<10	55	20	9	4001	1
R2 89FP-R035		529	<10	<10	30	<10	5	57	1
R2 89FP-R036		278	<10	<10	12	<10	4	876	<1
R2 89FP-R037		42	<10	<10	34	<10	3	46	<1
R2 89FP-R038		119	<10	<10	8	<10	2	17	<1
R2 89FP-R039A		215	<10	<10	38	<10	8	17	<1
R2 89FP-R039B		130	<10	<10	33	<10	4	29	<1
R2 89FP-R040		12	<10	<10	10	<10	7	28	2
R2 89FP-R041		14	11	<10	69	<10	3	32	2
R2 89FV-R017		19	<10	<10	69	<10	2	76	2
R2 89FV-R018		8	<10	<10	60	<10	2	8	1
R2 89FV-R019		42	<10	<10	26	<10	2	10	3
R2 89FV-R020		79	<10	<10	23	<10	2	24	<1
R2 89FV-R021		28	<10	<10	12	<10	2	34	<1
R2 89FV-R022		230	<10	<10	58	<10	6	102	1
R2 89FV-R023		250	<10	<10	12	89	7	11892	2
R2 89FV-R024		30	<10	<10	133	<10	4	43	2
R2 89FV-R025		13	<10	<10	128	<10	4	111	<1

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DATE PRINTED: 23-OCT-89

REPORT: V89-06968.0

PROJECT: FLORY

SAMPLE NUMBER	ELEMENT UNITS	Au PPB	Ag PPM	As PPM	Ba PPM	Be PPM	Bi PPM	Cd PPM	Ce PPM	Co PPM	Cr PPM	Cu PPM
R2 89FF-R026	FLORY ↓	<5	<0.2	<5	49	<0.5	4	<1	<5	15	81	22
R2 89FF-R027		9	<0.2	<5	169	<0.5	3	<1	<5	14	39	49
R2 89FF-R028		<5	<0.2	<5	70	<0.5	<2	<1	<5	3	98	18
R2 89FF-R029		8	0.2	14	13	<0.5	6	<1	<5	25	19	170
R2 89F0-R035		5	<0.2	13	73	<0.5	7	<1	6	36	33	141
R2 89F0-R036		11	<0.2	14	89	<0.5	6	<1	6	31	37	236
R2 89FP-R042		<5	<0.2	<5	19	<0.5	6	<1	<5	9	15	49
R2 89FP-R043		<5	<0.2	<5	337	<0.5	23	<1	15	8	95	45
R2 89FP-R044		15	<0.2	21	33	<0.5	5	<1	7	12	75	25
R2 89F7-R044		6	<0.2	<5	208	<0.5	7	<1	<5	6	32	21
R2 89F7-R045		110	<0.2	10	6	<0.5	10	<1	<5	29	108	125
R2 89F7-R046	↑	8	0.2	8	45	<0.5	7	<1	<5	15	83	30
R2 89F7-R047	Flory	8	2.7	7	200	<0.5	<2	<1	<5	8	132	385

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REPORT: V89-06968.0

PROJFCT: FLORY

SAMPLE NUMBER	ELEMENT UNITS	Ga PPM	La PPM	Li PPM	Mo PPM	Nb PPM	Ni PPM	Pb PPM	Rb PPM	Sb PPM	Sc PPM	Sn PPM
R2 89FE-R026		13	<1	8	2	6	13	2	77	11	4	<20
R2 89FE-R027		10	2	11	1	3	17	<2	90	10	7	<20
R2 89FE-R028		11	1	7	<1	6	20	3	78	7	3	<20
R2 89FE-R029		18	<1	8	2	5	10	<2	93	13	10	<20
R2 89FO-R035		19	<1	11	3	4	12	<2	76	15	18	<20
R2 89FO-R036		15	<1	10	3	4	11	<2	161	12	7	<20
R2 89FP-R042		17	<1	12	1	7	2	3	119	14	4	<20
R2 89FP-R043		62	<1	26	<1	29	11	73	173	45	9	<20
R2 89FP-R044		9	3	6	1	4	71	10	78	8	4	<20
R2 89FZ-R044		21	<1	24	1	12	33	2	90	19	10	<20
R2 89FZ-R045		13	<1	4	<1	10	9	9	51	10	1	<20
R2 89FZ-R046		13	<1	20	4	6	20	<2	125	11	12	<20
R2 89FZ-R047		3	<1	9	4	<1	64	27	166	6	9	<20

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R2 89FE-R026		70	<10	<10	98	<10	4	24	1
R2 89FE-R027		45	<10	<10	64	<10	7	68	<1
R2 89FE-R028		22	<10	<10	33	<10	4	34	<1
R2 89FF-R029		17	<10	<10	407	<10	6	88	<1
R2 89FO-R035		53	<10	<10	325	<10	12	101	<1
R2 89FO-R036		11	<10	<10	206	<10	9	101	<1
R2 89FP-R042		19	<10	<10	135	<10	9	46	<1
R2 89FP-R043		156	<10	38	85	<10	5	331	2
R2 89FP-R044		14	<10	<10	46	<10	9	76	<1
R2 89FZ-R044		799	<10	<10	60	<10	3	17	<1
R2 89FZ-R045		53	<10	<10	5	<10	9	4	<1
R2 89FZ-R046		16	<10	<10	96	<10	2	16	<1
R2 89FZ-R047		28	<10	<10	79	<10	3	22	<1

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REPORT: V89-07573.0

PROJECT: UNUK

SAMPLE NUMBER	ELEMENT UNITS	Au PPB	Ag PPM	As PPM	Ba PPM	Be PPM	Bi PPM	Cd PPM	Ce PPM	Co PPM	Cr PPM	Cu PPM
R2 89KO-R 082	FIORY	<5	<0.2	<5	150	<0.5	2	<1	<5	16	33	55
R2 89KO-R 083		<5	0.3	<5	369	<0.5	<2	<1	<5	19	33	160
R2 89KO-R 084	FIORY	<5	2.4	5	46	<0.5	9	59	5	13	26	45

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PROJECT: UNUK

SAMPLE NUMBER	ELEMENT UNITS	Ga PPM	La PPM	Li PPM	Mo PPM	Nb PPM	Ni PPM	Pb PPM	Rb PPM	Sb PPM	Sc PPM	Sn PPM
R2 89KO-R 082		13	<1	4	<1	10	21	<2	<20	<5	6	<20
R2 89KO-R 083		16	<1	6	1	7	11	<2	<20	<5	14	<20
R2 89KO-R 084		11	1	4	<1	8	3	1095	<20	[illegible]	1	<20

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SAMPLE NUMBER	ELEMENT UNITS	Sr PPM	Ta PPM	Te PPM	V PPM	W PPM	Y PPM	Zn PPM	Zr PPM
R2 89KO-R 082		265	<10	<10	51	<10	3	21	2
R2 89KO-R 083		91	<10	<10	153	<10	6	56	<1
R2 89KO-R 084		42	<10	<10	21	29	4	3102	<1

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REPORT: V89-07574.0

PROJECT: UNUK

SAMPLE NUMBER	ELEMENT UNITS	Au PPB	Ag PPM	As PPM	Ba PPM	Be PPM	Bi PPM	Cd PPM	Ce PPM	Co PPM	Cr PPM	Cu PPM
R2 89FE-R 094	FIORY	<5	<0.2	6	33	<0.5	<2	<1	34	1	68	42
R2 89FE-R 095		9	0.2	9	32	<0.5	3	<1	33	2	79	97
R2 89FE-R 096		<5	0.2	13	465	<0.5	<2	<1	<5	41	91	164
R2 89FE-R 097	FIORY	<5	<0.2	6	248	<0.5	3	<1	<5	21	78	200
R2 89KP-R 090	FIORY	7	0.3	45	169	<0.5	3	<1	6	5	45	49
R2 89KP-R 091		<5	0.3	8	85	<0.5	<2	<1	<5	8	30	87
R2 89KP-R 092		<5	0.3	<5	349	<0.5	3	<1	7	10	39	102
R2 89KP-R 093	FIORY	<5	<0.2	<5	21	<0.5	<2	<1	10	2	144	25

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PROJECT: UNUK

SAMPLE NUMBER	ELEMENT UNITS	Ga PPM	La PPM	Li PPM	Mo PPM	Nb PPM	Ni PPM	Pb PPM	Rb PPM	Sb PPM	Sc PPM	Sn PPM
R2 89FE-R 094		4	14	4	3	2	<1	<2	<20	<5	2	<20
R2 89FE-R 095		3	16	3	4	2	2	<2	<20	<5	1	<20
R2 89FE-R 096		11	<1	10	2	5	31	<2	<20	<5	6	<20
R2 89FE-R 097		11	<1	3	2	6	16	<2	<20	<5	3	<20
R2 89KP-R 090		10	3	5	9	4	9	<2	25	<5	8	<20
R2 89KP-R 091		6	1	3	12	3	21	<2	<20	<5	3	<20
R2 89KP-R 092		14	4	6	3	6	2	<2	27	<5	15	<20
R2 89KP-R 093		5	5	4	2	4	3	<2	<20	<5	2	<20

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R2 89FE-R 094		4	<10	<10	2	<10	7	31	1
R2 89FE-R 095		4	<10	<10	2	<10	3	9	1
R2 89FE-R 096		28	<10	<10	100	<10	7	29	1
R2 89FE-R 097		72	<10	<10	59	<10	4	14	2
R2 89KP-R 090		32	<10	<10	135	<10	8	45	<1
R2 89KP-R 091		45	<10	<10	70	<10	3	19	<1
R2 89KP-R 092		122	<10	<10	122	<10	9	35	<1
R2 89KP-R 093		8	<10	<10	6	<10	12	11	1

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SAMPLE NUMBER	ELEMENT UNITS	Au PPB	Ag PPM	As PPM	Ba PPM	Be PPM	Bi PPM	Cd PPM	Ce PPM	Co PPM	Cr PPM	Cu PPM
R2 89FE-R064	FIORY	<5	<0.2	<5	122	<0.5	<2	<1	<5	17	32	33
R2 89FE-R065	FIORY	11	<0.2	<5	13	<0.5	<2	1	12	40	38	62
R2 89KP-R066	FIORY	6	0.4	<5	222	<0.5	4	1	<5	47	84	72
R2 89KP-R067		28	<0.2	<5	62	<0.5	<2	1	<5	27	34	190
R2 89KP-R068		<5	<0.2	<5	45	<0.5	4	<1	<5	3	163	4
R2 89KP-R069	FIORY	9	<0.2	<5	6	<0.5	2	<1	5	4	44	136
R2 89KZ-R062	FIORY	<5	<0.2	<5	556	<0.5	<2	<1	10	6	64	36
R2 89KZ-R063	FIORY	8	<0.2	6	274	<0.5	3	<1	12	15	47	49

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R2 89FE-R064		13	6	20	3	6	18	<2	97	6	13	<20
R2 89FE-R065		17	11	10	7	8	22	<2	42	8	6	<20
R2 89KP-R066		14	<1	12	2	8	32	<2	<20	5	15	<20
R2 89KP-R067		13	2	7	6	9	8	<2	40	<5	3	<20
R2 89KP-R068		7	<1	3	2	5	7	3	27	<5	2	<20
R2 89KP-R069		13	2	3	<1	10	3	2	53	6	1	<20
R2 89KZ-R062		11	7	5	2	4	4	<2	48	<5	10	<20
R2 89KZ-R063		18	7	11	3	7	16	4	105	11	10	<20

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SAMPLE NUMBER	ELEMENT UNITS	Sr PPM	Ta PPM	Te PPM	V PPM	W PPM	Y PPM	Zn PPM	Zr PPM
R2 89FE-R064		29	19	<10	113	<10	9	70	1
R2 89FE-R065		14	<10	<10	121	<10	13	152	1
R2 89KP-R066		79	13	<10	180	<10	5	33	<1
R2 89KP-R067		71	<10	<10	111	<10	7	8	2
R2 89KP-R068		7	<10	<10	124	<10	3	3	<1
R2 89KP-R069		74	<10	<10	28	<10	4	5	2
R2 89KZ-R062		34	<10	<10	124	<10	5	37	<1
R2 89KZ-R063		158	<10	<10	87	<10	6	86	<1

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PROJECT: UNUK

SAMPLE NUMBER	ELEMENT UNITS	Au PPB	Ag PPM	As PPM	Ba PPM	Be PPM	Bi PPM	Cd PPM	Ce PPM	Co PPM	Cr PPM	Cu PPM
R2 89KZ-R 87	FLOAT ↕	38	0.3	44	152	<0.5	8	<1	<5	14	39	63
R2 89KZ-R 88		<5	0.3	20	356	<0.5	4	<1	16	11	31	13
R2 89KZ-R 89	Float	<5	0.3	35	59	<0.5	4	<1	6	28	61	3210

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SAMPLE NUMBER	ELEMENT UNITS	Ga PPM	La PPM	Li PPM	Mo PPM	Nb PPM	Ni PPM	Pb PPM	Rb PPM	Sb PPM	Sc PPM	Sn PPM
R2 89KZ-R 87		21	<1	9	7	9	18	<2	<20	10	8	<20
R2 89KZ-R 88		17	3	7	4	10	10	<2	<20	5	9	<20
R2 89KZ-R 89		13	<1	4	2	7	5	4	<20	11	7	<20

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SAMPLE NUMBER	ELEMENT UNITS	Sr PPM	Ta PPM	Te PPM	V PPM	W PPM	Y PPM	Zn PPM	Zr PPM
R2 89KZ-R 87		82	<10	<10	105	<10	5	40	<1
R2 89KZ-R 88		28	<10	<10	65	<10	14	43	2
R2 89KZ-R 89		30	<10	<10	116	<10	14	33	<1

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REPORT: V89-06960.0

DATE PRINTED: 20-OCT-89

PROJECT: UNUK

PAGE 1A

SAMPLE NUMBER	ELEMENT UNITS	Au PPB	Ag PPM	As PPM	Ba PPM	Be PPM	Bi PPM	Cd PPM	Ce PPM	Co PPM	Cr PPM	Cu PPM
T1 89FOL037	FIORY	<5	0.2	<5	190	<0.5	6	<1	<5	24	60	110
T1 89FOL038		<5	0.3	<5	264	<0.5	5	<1	<5	24	76	106
T1 89FPL09		<5	0.2	<5	169	2.2	9	3	<5	42	824	85
T1 89FVL001		<5	0.3	<5	80	3.1	<2	<1	<5	34	36	147
T1 89FVL002		<5	0.5	<5	30	<0.5	6	2	<5	30	59	102
T1 89FZL018		<5	0.3	<5	192	<0.5	5	<1	<5	22	62	98
T1 89FZL019		<5	0.2	<5	215	<0.5	8	3	<5	24	62	101
T1 89FZL020	FIORY	<5	0.2	<5	164	<0.5	5	<1	<5	22	32	96

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Geochemical Lab Report

A DIVISION OF INCHCAPE INSPECTION & TESTING SERVICES

DATE PRINTED: 20-OCT-89

REPORT: V89-06960.0

PROJECT: UNUK

SAMPLE NUMBER	ELEMENT UNITS	Ga PPM	La PPM	Li PPM	Mo PPM	Nb PPM	Ni PPM	Pb PPM	Rb PPM	Sb PPM	Sc PPM	Sn PPM
T1 89FOL037		18	<1	15	2	8	39	11	<20	9	9	<20
T1 89FOL038		18	<1	17	1	8	49	9	<20	10	9	<20
T1 89FPL09		34	<1	25	3	22	357	6	<20	26	5	25
T1 89FVL001		47	<1	17	<1	27	37	15	<20	26	9	21
T1 89FVL002		17	<1	8	<1	7	36	22	<20	11	5	<20
T1 89FZL018		18	<1	16	2	7	42	23	<20	10	11	<20
T1 89FZL019		20	<1	16	2	8	43	15	<20	9	11	<20
T1 89FZL020		15	<1	12	1	7	22	2	<20	6	7	<20

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REPORT: V89-06960.0

PROJECT: UNUK

SAMPLE NUMBER	ELEMENT UNITS	Sr PPM	Ta PPM	Te PPM	V PPM	W PPM	Y PPM	Zn PPM	Zr PPM
T1 89FOL037		85	<10	<10	160	<10	6	114	2
T1 89FOL038		83	<10	<10	154	<10	6	145	<1
T1 89FPL09		72	<10	21	102	<10	4	85	<1
T1 89FVL001		127	<10	<10	137	<10	7	137	5
T1 89FVL002		78	<10	<10	108	<10	4	96	7
T1 89FZL018		73	<10	<10	174	<10	5	105	<1
T1 89FZL019		94	<10	<10	183	<10	5	106	<1
T1 89FZL020		76	<10	<10	123	<10	5	97	3

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Geochemical Lab Report

DATE PRINTED: 27-OCT-89

REPORT: V89-07576.0

PROJECT: UNUK

SAMPLE NUMBER	ELEMENT UNITS	Au PPB	Ag PPM	As PPM	Ba PPM	Be PPM	Bi PPM	Cd PPM	Ce PPM	Co PPM	Cr PPM	Cu PPM
T1 89KZ-L 035	F/oat	<5	<0.2	36	166	<0.5	6	<1	5	19	52	88
T1 89KZ-L 036	F/oat	<5	<0.2	37	151	<0.5	3	<1	<5	17	50	80

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Geochemical Lab Report

A DIVISION OF INCHCAPE INSPECTION & TESTING SERVICES

DATE PRINTED: 27-OCT-89

REPORT: V89-07576.0

PROJECT: UNUK

SAMPLE NUMBER	ELEMENT UNITS	Ga PPM	La PPM	Li PPM	Mo PPM	Nb PPM	Ni PPM	Pb PPM	Rb PPM	Sb PPM	Sc PPM	Sn PPM
T1 89KZ-L 035		19	<1	13	2	10	32	4	<20	10	8	<20
T1 89KZ-L 036		18	<1	12	3	10	31	5	<20	[illegible]	8	<20

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REPORT: V89-07576.0

PROJECT: UNUK

SAMPLE NUMBER	ELEMENT UNITS	Sr PPM	Ta PPM	Te PPM	V PPM	W PPM	Y PPM	Zn PPM	Zr PPM
T1 89KZ-L 035		65	<10	<10	165	<10	6	89	2
T1 89KZ-L 036		61	<10	<10	159	<10	5	87	4

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A DIVISION OF INCHCAPE INSPECTION & TESTING SERVICES

DATE PRINTED: 23-OCT-89

REPORT: V89-06999.0

PROJECT: UNUK

SAMPLE NUMBER	ELEMENT UNITS	Au PPB	Ag PPM	As PPM	Ba PPM	Be PPM	Bi PPM	Cd PPM	Ce PPM	Co PPM	Cr PPM	Cu PPM
T1 89FE-L 65	FLOAT	21	<0.2	8	154	<0.5	3	<1	<5	21	40	74
T1 89FE-L 67	FLOAT	<5	0.2	32	208	<0.5	4	<1	11	25	51	107
T1 89FE-L 66	FLOAT	<5	0.9	21	58	<0.5	2	1	76	32	43	52
T1 89KO-L 54	FLOAT	27	<0.2	15	68	<0.5	4	<1	<5	25	59	95
T1 89KO-L 55	FLOAT	19	<0.2	16	71	<0.5	<2	<1	5	26	63	102
T1 89KP-L 29	FLOAT	11	<0.2	25	122	<0.5	<2	<1	<5	26	60	85
T1 89KP-L 30	FLOAT	16	<0.2	17	155	<0.5	6	1	<5	23	41	78
T1 89KZ-L 27	FLOAT	9	<0.2	21	59	<0.5	2	<1	<5	24	63	84
T1 89KZ-L 28	FLOAT	41	0.2	25	54	<0.5	<2	<1	<5	27	56	98

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DATE PRINTED: 23-OCT-89

REPORT: V89-06999.0

PROJECT: UNUK

SAMPLE NUMBER	ELEMENT UNITS	Ga PPM	La PPM	Li PPM	Mo PPM	Nb PPM	Ni PPM	Pb PPM	Rb PPM	Sb PPM	Sc PPM	Sn PPM
T1 89FE-L 65		16	2	12	2	7	28	<2	60	11	9	<20
T1 89FE-L 67		20	7	14	2	10	37	<2	<20	14	11	<20
T1 89FE-L 76		13	29	14	7	22	43	<2	<20	9	6	<20
T1 89KO-L 54		13	2	9	2	6	40	<2	<20	9	7	<20
T1 89KO-L 55		13	2	9	2	6	39	<2	28	9	7	<20
T1 89KP-L 29		15	<1	12	2	7	38	<2	<20	10	7	<20
T1 89KP-L 30		17	<1	13	2	8	31	<2	<20	8	9	<20
T1 89KZ-L 27		14	2	8	2	6	40	<2	<20	12	6	<20
T1 89KZ-L 28		14	2	8	1	7	37	<2	<20	9	7	<20

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REPORT: V89-06999.0

DATE PRINTED: 23-OCT-89

PROJECT: UNUK

SAMPLE NUMBER	ELEMENT UNITS	Sr PPM	Ta PPM	Te PPM	V PPM	W PPM	Y PPM	Zn PPM	Zr PPM
T1 89FE-L 65		58	<10	<10	149	<10	6	67	2
T1 89FE-L 67		85	<10	<10	145	<10	10	116	13
T1 89FE-L 76		39	<10	<10	65	<10	22	203	19
T1 89KO-L 54		90	<10	<10	114	<10	6	103	3
T1 89KO-L 55		87	<10	<10	118	<10	7	100	3
T1 89KP-L 29		67	<10	<10	138	<10	6	64	1
T1 89KP-L 30		64	<10	<10	148	<10	7	79	2
T1 89KZ-L 27		70	<10	<10	108	<10	6	103	3
T1 89KZ-L 28		78	<10	<10	117	<10	6	97	4

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Certificate of Analysis

A DIVISION OF INCHCAPE INSPECTION & TESTING SERVICES

REPORT: V89-06873.5

DATE PRINTED: 31-OCT-89

PROJECT: FLORY

SAMPLE NUMBER	ELEMENT UNITS	Pb PCT	
R2 89FP-R033		20.05	FLORY

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A DIVISION OF INCHCAPE INSPECTION & TESTING SERVICES

DATE PRINTED: 13-OCT-89

REPORT: V89-06873.6

PROJECT: FLORY

SAMPLE NUMBER	ELEMENT UNITS	Ag OPT
R2 89FP-R033		2.60

Flory

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Certificate of Analysis

DATE PRINTED: 17-OCT-89

REPORT: V89-06872.6

PROJECT: FLORY

SAMPLE NUMBER	ELEMENT UNITS	Ag OPT	Cu PCT
R2 89FC-R004			1.68
R2 89FZ-R042		4.37	

Flory

Registered Assayer, Province of British Colum

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Geochemical Lab Report

A DIVISION OF INCHCAPE INSPECTION & TESTING SERVICES

REPORT: V89-06781.0 (COMPLETE)

REFERENCE INFO:

CLIENT: KEEWATIN ENGINEERING INC.
PROJECT: PARADIGM

SUBMITTED BY: TERRAMIN RES. LAB
DATE PRINTED: 4-OCT-89

ORDER		ELEMENT	NUMBER OF ANALYSES	LOWER DETECTION LIMIT	EXTRACTION	METHOD
1	Au	Gold - Fire Assay	93	5 PPB	FIRE ASSAY	Fire Assay AA
2	Ag	Silver	93	0.2 PPM	HNO3-HCL HOT EXTR	Ind. Coupled Plasma
3	As	Arsenic	93	5 PPM	HNO3-HCL HOT EXTR	Ind. Coupled Plasma
4	Ba	Barium	93	1 PPM	HNO3-HCL HOT EXTR	Ind. Coupled Plasma
5	Be	Beryllium	93	0.5 PPM	HNO3-HCL HOT EXTR	Ind. Coupled Plasma
6	Bi	Bismuth	93	2 PPM	HNO3-HCL HOT EXTR	Ind. Coupled Plasma
7	Cd	Cadmium	93	1 PPM	HNO3-HCL HOT EXTR	Ind. Coupled Plasma
8	Ce	Cerium	93	5 PPM	HNO3-HCL HOT EXTR	Ind. Coupled Plasma
9	Co	Cobalt	93	1 PPM	HNO3-HCL HOT EXTR	Ind. Coupled Plasma
10	Cr	Chromium	93	1 PPM	HNO3-HCL HOT EXTR	Ind. Coupled Plasma
11	Cu	Copper	93	1 PPM	HNO3-HCL HOT EXTR	Ind. Coupled Plasma
12	Ga	Gallium	93	2 PPM	HNO3-HCL HOT EXTR	Ind. Coupled Plasma
13	La	Lanthanum	93	1 PPM	HNO3-HCL HOT EXTR	Ind. Coupled Plasma
14	Li	Lithium	93	1 PPM	HNO3-HCL HOT EXTR	Ind. Coupled Plasma
15	Mo	Molybdenum	93	1 PPM	HNO3-HCL HOT EXTR	Ind. Coupled Plasma
16	Nb	Niobium	93	1 PPM	HNO3-HCL HOT EXTR	Ind. Coupled Plasma
17	Ni	Nickel	93	1 PPM	HNO3-HCL HOT EXTR	Ind. Coupled Plasma
18	Pb	Lead	93	2 PPM	HNO3-HCL HOT EXTR	Ind. Coupled Plasma
19	Rb	Rubidium	93	20 PPM	HNO3-HCL HOT EXTR	Ind. Coupled Plasma
20	Sb	Antimony	93	5 PPM	HNO3-HCL HOT EXTR	Ind. Coupled Plasma
21	Sc	Scandium	93	1 PPM	HNO3-HCL HOT EXTR	Ind. Coupled Plasma
22	Sn	Tin	93	20 PPM	HNO3-HCL HOT EXTR	Ind. Coupled Plasma
23	Sr	Strontium	93	1 PPM	HNO3-HCL HOT EXTR	Ind. Coupled Plasma
24	Ta	Tantalum	93	10 PPM	HNO3-HCL HOT EXTR	Ind. Coupled Plasma
25	Te	Tellurium	93	10 PPM	HNO3-HCL HOT EXTR	Ind. Coupled Plasma
26	V	Vanadium	93	1 PPM	HNO3-HCL HOT EXTR	Ind. Coupled Plasma
27	W	Tungsten	93	10 PPM	HNO3-HCL HOT EXTR	Ind. Coupled Plasma
28	Y	Yttrium	93	1 PPM	HNO3-HCL HOT EXTR	Ind. Coupled Plasma
29	Zn	Zinc	93	1 PPM	HNO3-HCL HOT EXTR	Ind. Coupled Plasma
30	Zr	Zirconium	93	1 PPM	HNO3-HCL HOT EXTR	Ind. Coupled Plasma

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Geochemical Lab Report

A DIVISION OF INCHCAPE INSPECTION & TESTING SERVICES

REPORT: V89-06781.0 (COMPLETE)

REFERENCE INFO:

CLIENT: KEEWATIN ENGINEERING INC.
PROJECT: PARADIGM

SUBMITTED BY: TERRAMIN RES. LAB
DATE PRINTED: 4-OCT-89

SAMPLE TYPES	NUMBER	SIZE FRACTIONS	NUMBER	SAMPLE PREPARATIONS	NUMBER
T STREAM SEDIMENT,SILT	41	1 -80	41	DRY, SIEVE -80	41
R ROCK OR BED ROCK	52	2 -150	52	CRUSH,PULVERIZE -150	52

REPORT COPIES TO: KEEWATIN ENGINEERING INC.
TAIGA CONSULTANTS LTD.

INVOICE TO: KEEWATIN ENGINEERING INC.

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BONDAR-CLEGG

Certificate of Analysis

A DIVISION OF INCHCAPE INSPECTION & TESTING SERVICES

REPORT: V89-06872.6 (COMPLETE)

REFERENCE INFO:

CLIENT: KEEWATIN ENGINEERING INC.
PROJECT: FLORY

SUBMITTED BY: UNKNOWN
DATE PRINTED: 17-OCT-89

ORDER		ELEMENT	NUMBER OF ANALYSES	LOWER DETECTION LIMIT	EXTRACTION	METHOD
1	Ag	Silver	1	0.02 OPT	HF-HNO3-HClO4-HCl	Atomic Absorption
2	Cu	Copper	1	0.01 PCT		Atomic Absorption

SAMPLE TYPES	NUMBER	SIZE FRACTIONS	NUMBER	SAMPLE PREPARATIONS	NUMBER
R ROCK OR BED ROCK	2	2 -150	2	AS RECEIVED, NO SP	2

KEEWATIN ENGINEERING INC.
HEAVY MINERAL RESULTS
FOR FLORY PROPERTY

LAB NUMBER	FIELD NUMBER	LOCATI	Au(30g (ppb)	Ag (ppm)	As (ppm)	Ba (ppm)	Be (ppm)	Bi (ppm)	Cd (ppm)	Ce (ppm)	Co (ppm)	Cr (ppm)	Cu (ppm)	Ga (ppm)	La (ppm)	Li (ppm)	Mo (ppm)	Nb (ppm)	Ni (ppm)	Pb (ppm)	Rb (ppm)	Sb (ppm)	Sc (ppm)	Sn (ppm)	Sr (ppm)	Ta (ppm)	Te (ppm)	V (ppm)	W (ppm)	Y (ppm)	Zn (ppm)	Zr (ppm)
68850001	89 F WH 1	FLORY	8	0.5	46	65	-0.5	-2	-1	-5	35	74	136	7	-1	5	4	6	26	-2	36	7	6	-20	136	-10	-10	133	-10	6	58	7
68850002	89 F WH 2	FLORY	23	0.5	45	59	-0.5	4	-1	-5	35	92	134	7	-1	7	3	6	25	-2	109	9	6	-20	156	-10	-10	127	-10	6	66	5
68850003	89 F WH 3	FLORY	11	0.3	35	33	-0.5	2	-1	-5	30	66	145	8	-1	5	2	5	20	-2	49	5	7	-20	185	-10	-10	136	-10	5	70	6
68850004	89 F WH 4	FLORY	16	0.5	51	80	-0.5	4	-1	12	36	134	151	8	-1	7	4	8	39	-2	95	10	9	-20	194	-10	-10	163	-10	11	69	8
68850005	89 F WH 5	FLORY	104	0.4	48	67	-0.5	-2	-1	-5	36	100	144	6	-1	7	4	4	54	7	44	8	6	-20	70	-10	-10	233	-10	6	59	3
68850006	89 F WH 6	FLORY	10	0.3	43	27	-0.5	2	-1	-5	29	53	136	3	-1	5	2	3	24	-2	74	-5	5	-20	110	-10	-10	109	-10	4	67	4
68850008	89 F WH 7	FLORY	68	0.2	29	24	-0.5	-2	-1	-5	23	62	54	5	-1	5	2	4	26	-2	-20	-5	5	-20	146	-10	-10	120	-10	4	62	5
68850009	89 F WH 8	FLORY	11	0.3	51	62	-0.5	-2	-1	-5	44	95	110	3	-1	7	4	4	58	-2	84	11	4	-20	61	-10	-10	208	-10	6	27	2
68850010	89 F WH 9	FLORY	-5	0.2	42	47	-0.5	4	-1	-5	26	60	88	6	-1	5	2	4	25	-2	53	6	5	-20	122	-10	-10	113	-10	6	63	5
68850011	89 F WH10	FLORY	43	0.3	39	106	-0.5	3	-1	-5	30	109	107	6	-1	7	3	4	68	-2	33	7	6	-20	70	-10	-10	210	-10	7	63	4
68850012	89 F WH11	FLORY	10	0.4	52	98	-0.5	3	-1	-5	33	113	125	5	-1	8	5	3	60	-2	80	10	7	-20	67	-10	-10	285	-10	7	58	3

PROPERTY

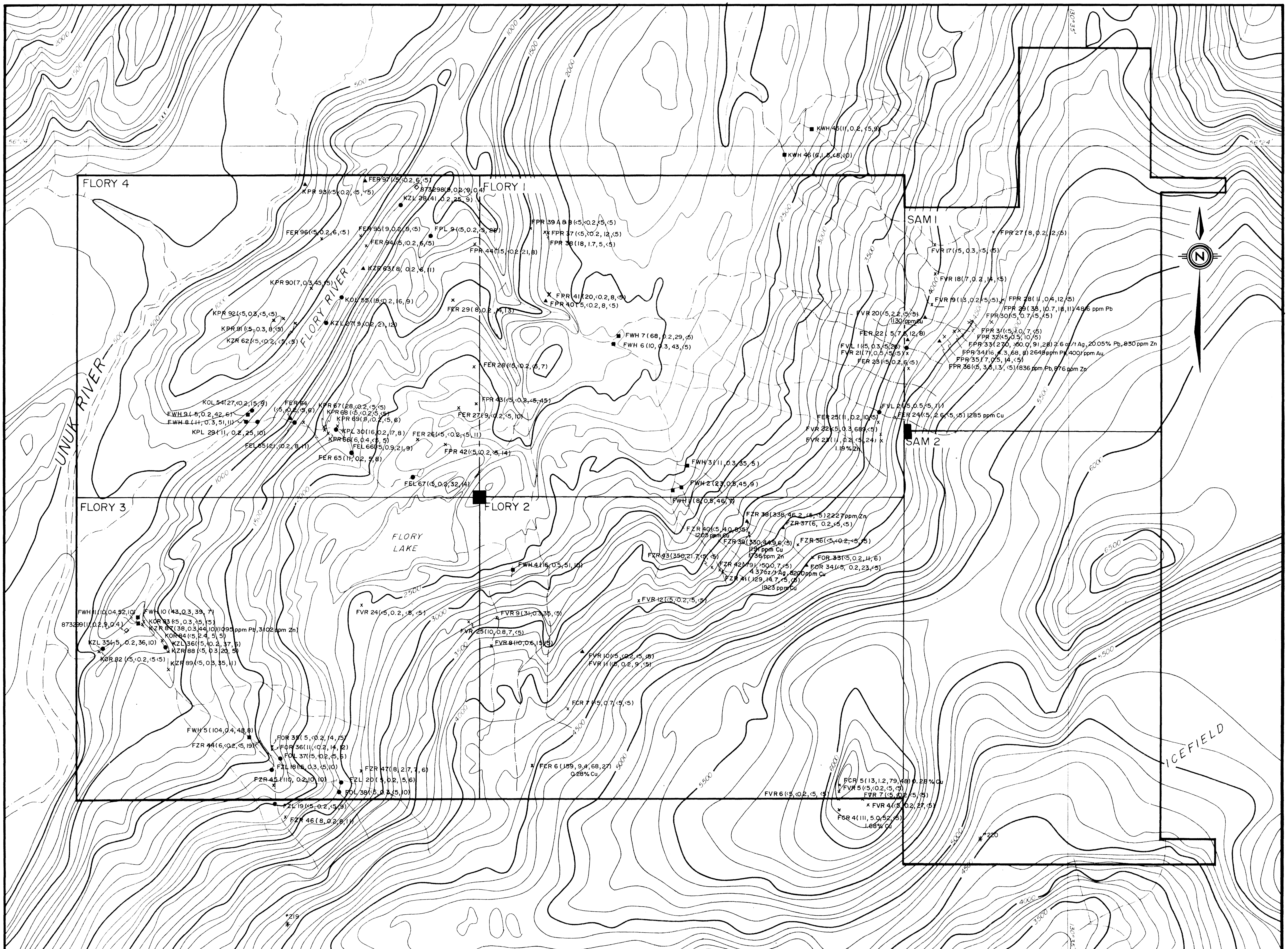
HEAVY MINERAL RESULTS

LAB NUMBER	FIELD NUMBER	LOCATI	Au(30g (ppb)	Ag (ppm)	As (ppm)	Ba (ppm)	Be (ppm)	Bi (ppm)	Cd (ppm)	Ce (ppm)	Co (ppm)	Cr (ppm)	Cu (ppm)	Ga (ppm)	La (ppm)	Li (ppm)	Mo (ppm)	Nb (ppm)	Ni (ppm)	Pb (ppm)	Rb (ppm)	Sb (ppm)	Sc (ppm)	Sn (ppm)	Sr (ppm)	Ta (ppm)	Te (ppm)	V (ppm)	W (ppm)	Y (ppm)	Zn (ppm)	Zr (ppm)
75770031	89 K WH45	C00	11	0.2	-5	40	-0.5	8	-1	-5	28	52	143	10	7	7	2	5	20	-2	41	9	4	-20	95	13	-10	87	-10	4	45	5
75770032	89 K WH46	C00	6	1.5	-5	31	-0.5	7	-1	-5	23	60	106	11	6	7	1	6	17	-2	-20	10	5	-20	140	-10	-10	93	-10	4	53	7

SUMMARY OF EXPENDITURES

Flory 1-4/Sam 1 & 2

Personnel and Crew		$21,861.51
Transportation - helicopter/fixed wing/fuel		12,596.56
Camp - food/accommodation		4,064.25
Assay/Report/Drafting/Secretarial		12,146.57
	TOTAL EXPENDITURES:	**$50,668.89**



LEGEND

- ◇ Regional stream silt sample site (Au ppb, Ag ppm, As ppm Sb ppm)
- ✱ Minfile mineral occurrence (Cu ppm, Pb ppm, Zn ppm, Au ppb, Ag ppm)
- x Rock sample - outcrop (Au ppb, Ag ppm, As ppm, Sb ppm)
- ▲ Rock sample - float (Au ppb, Ag ppm, As ppm, Sb ppm)
- ● Stream silt sample (Au ppb, Ag ppm, As ppm, Sb ppm)
- ■ Heavy mineral sample (Au ppb, Ag ppm, As ppm, Sb ppm)

GEOLOGICAL BRANCH
ASSESSMENT REPORT

19,687

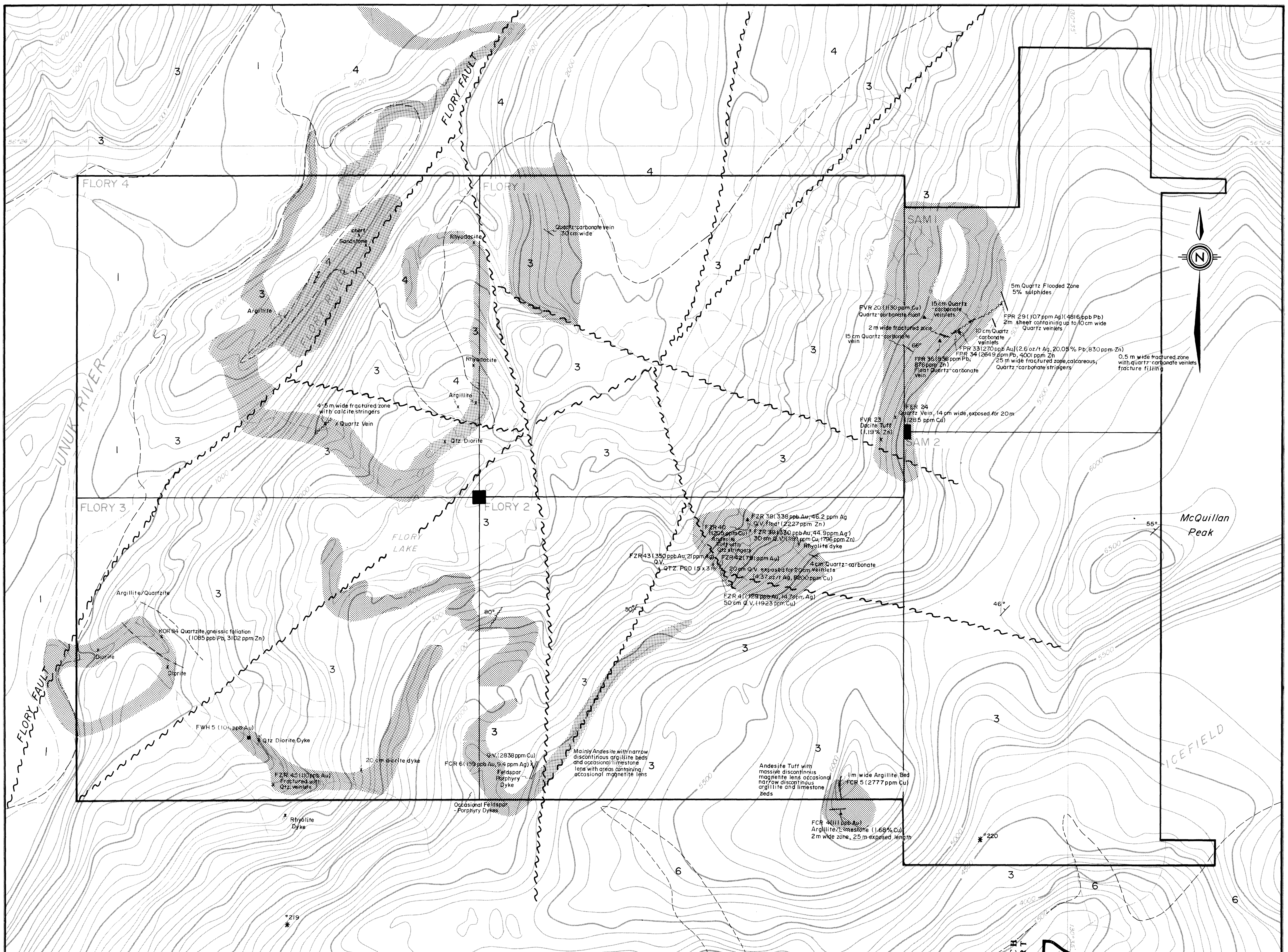
D. G. DuPRE

PROLIFIC RESOURCES LTD.

SAM AND FLORY PROJECT

1989 EXPLORATION SAMPLE LOCATIONS & RESULTS

DATE: NOV. 1989	NTS: 104 B/7
PROJECT:	
SCALE: 1:10,000 — 0 100 200 300 400 500 metres	
KEEWATIN ENGINEERING INC.	MAP No. 1



Volcanic Sedimentary Rocks

Pleistocene to Recent
[1] Basalt flows and tephra: dark brown to black, minor pillow lavas

Lower Jurassic (Pliensbachian to Toarcian)
[2] Betty Creek Formation: pyroclastic-epiclastic sequence, heterogeneous, grey-green, massive to bedded, pyroclastics and sedimentary rocks (black, thinly bedded siltstone, shale, and argillite)

Upper Triassic to Lower Jurassic (Norian to Sinemurian)
[3] Unuk River Formation: andesite sequence, green and grey, intermediate to mafic volcaniclastics and flows, with locally thick interbeds of fine-grained immature sediments, minor conglomerates, and limestone

Upper Triassic (Carnian to Norian)
[4] Stuhini Group: brown, black, grey; mixed sedimentary rocks (siltstone, shale, argillite, limestone, chert), with minor mafic to intermediate volcanics and volcaniclastic rocks

Intrusive Rocks

Tertiary
[5] Post-Tectonic Dykes

King Creek Dyke Swarm: feldspar porphyry dacite, andesite, diabase, and hornblende to quart diorite; limits of the unit shown indicate where the dykes exceed 50% of the exposed bedrock

[9] Hawilson Monzonite - fine grained monzonite

[6] Coast Plutonic Complex: hornblende-biotite-quartz diorite to granodiorite.

Jurassic
[7] Unuk River Diorite Suite:
a) Max: biotite-hornblende diorite, quartz diorite, granodiorite
b) Melvelle: hornblende-biotite diorite, quartz diorite

Metamorphic Rocks

[8] Metamorphic equivalents of Units 1, 2, or 3
a) hornblende, mylonite gneiss, mylonite
b) Unuk-Harrymel Fault Zone, strongly sheared rock within fault zone

SYMBOLS

Geological contact (observed, assumed)
Bedding with dip
Foliation
Regional anticline
Fault (defined, assumed)
Airphoto lineament
Regional stream silt sample site (Au ppb, Ag ppm, As ppm Sb ppm)
Minfile mineral occurrence (Cu ppm, Pb ppm, Zn ppm, Au ppb, Ag ppm)
Rock sample - outcrop (Au ppb, Ag ppm, As ppm, Sb ppm)
Rock sample - float (Au ppb, Ag ppm, As ppm, Sb ppm)
Stream silt sample (Au ppb, Ag ppm, As ppm, Sb ppm)
Heavy mineral sample (Au ppb, Ag ppm, As ppm, Sb ppm)
Trench

1989 Prospecting Coverage

GEOLOGICAL BRANCH
ASSESSMENT REPORT

19,687

GEOLOGICAL ASSOCIATION ... D. G. Du... FEL...

PROLIFIC RESOURCES LTD.

SAM AND FLORY PROJECT
GEOLOGY & ANOMALOUS VALUES

DATE: NOV. 1989	NTS: 104 B/7
PROJECT:	
SCALE: 1:10,000 (0 100 200 300 400 500 metres)	
KEEWATIN ENGINEERING INC.	MAP No. 2