GEOLOGICAL AND GEOCHEMICAL REPORT

ON THE

HOMER PROPERTY

Homer 1 to 4 Mineral Claims

Skeena Mining Division, British Columbia
NTS 104B/7E
Latitude: 56° 26' North
Longitude: 130° 36' West

Prepared For

FERRETT EXPLORATION COMPANY, INC.
Denver, Colorado
and
BODEGA VENTURES INC.
Oak Harbour, Washington

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1.0 SUMMARY

The Homer property is located in the Unuk River area of northwestern British Columbia about 80 km north of Stewart. The property is underlain by Upper Triassic sediments and volcanics of the Stuhini Group which is intruded by a younger diorite stock referred to as the Max Diorite. This assemblage is overlain by the Lower Jurassic Unuk River Formation which consists of andesitic volcanics with lesser sediments.

A major fault, known as the Flory Creek Fault, trends northeasterly through the northern part of the Homer 3 claims. The Flory Creek Fault zone hosts the Homer #3 copper showing in the southwestern corner of the property.

The 1990 field exploration program consisted of a helicopter-supported program of geological mapping, contour sampling and stream sediment sampling. The 1990 contour soil sampling program outlined an area of elevated gold-in-soil values up to 648 ppb Au near the northern boundary of the Homer 2 claim.

The 1991 field exploration program consisted of limited contour soil sampling, stream silt sampling and geological mapping concentrated mostly on the anomalous gold-in-soil area outlined in 1990. The infill contour soil samples collected in 1991 yielded values as high as 990 ppb Au and stream silts returned high values of 416 and 446 ppb Au, suggesting a mineralized bedrock source. The establishment of a grid followed by grid controlled soil geochemical sampling and geological mapping is recommended for the areas of elevated gold-in-soil values near the northern Homer 2 claim boundary. A provision should also be made for a limited program of trenching to evaluate showings or localized geochemical anomalies.

2.0 INTRODUCTION

Ferret Exploration Company Inc. and Bodega Ventures Inc. commissioned Keewatin Engineering Inc. to conduct a field exploration program on the Homer property located in the Unuk River area of northern British Columbia.

The objective of the 1991 exploration program was to do follow-up exploration in the area which yielded elevated gold-in-soil assays outlined during the 1990 field exploration program. The 1991 program consisted of rock/stream silt/soil geochemistry and geological mapping/prospecting.

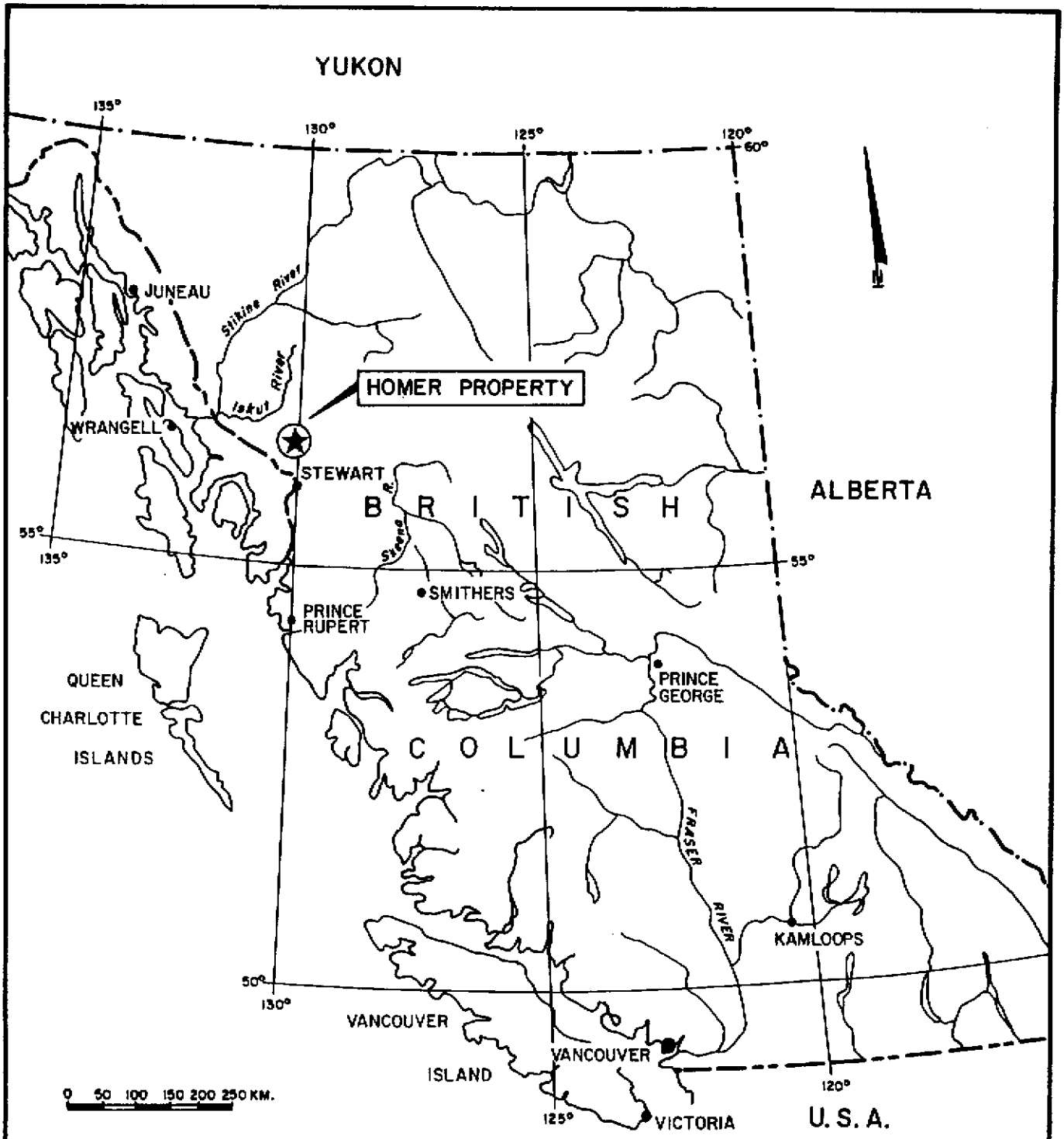
2.1 Location and Access

The Homer property is located in northwestern British Columbia, approximately 80 kilometres northwest of Stewart (Figure 1). The claims are situated within NTS map sheet 104B/7E and centred about 56° 26' North latitude and 130° 36' 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 may also be directly accessed by helicopter from Stewart.

Work was conducted out of the Granges camp located on the Unuk River, 15 km north of the property. The crew was flown by helicopter to the property each day.

2.2 Physiography and Climate

The Homer property is situated within the Coast Range Physiographic Division and is characterized by northern rain forest and sub-alpine plateaux. The northeast trending U-shaped South Unuk River valley bisects the property. Elevations range from 150 m in the valley of the Unuk River to 1,370 m in the southeastern part of the property. The toe of a glacier almost reaches the southeastern corner of the property.



PROPERTY LOCATION MAP

Figure 1

KEEWATIN ENGINEERING INC.

The property is quite rugged and heavily forested with alders and conifers up to 30 m tall below the treeline at roughly 915 metres elevation. The terrain found above the treeline is characterized by of intermontane alpine flora. Water for camp and drilling purposes, is generally in good supply from the numerous creeks draining the claim 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. The snow begins to accumulate at lower elevations by early November and doesn't clear until June or July.

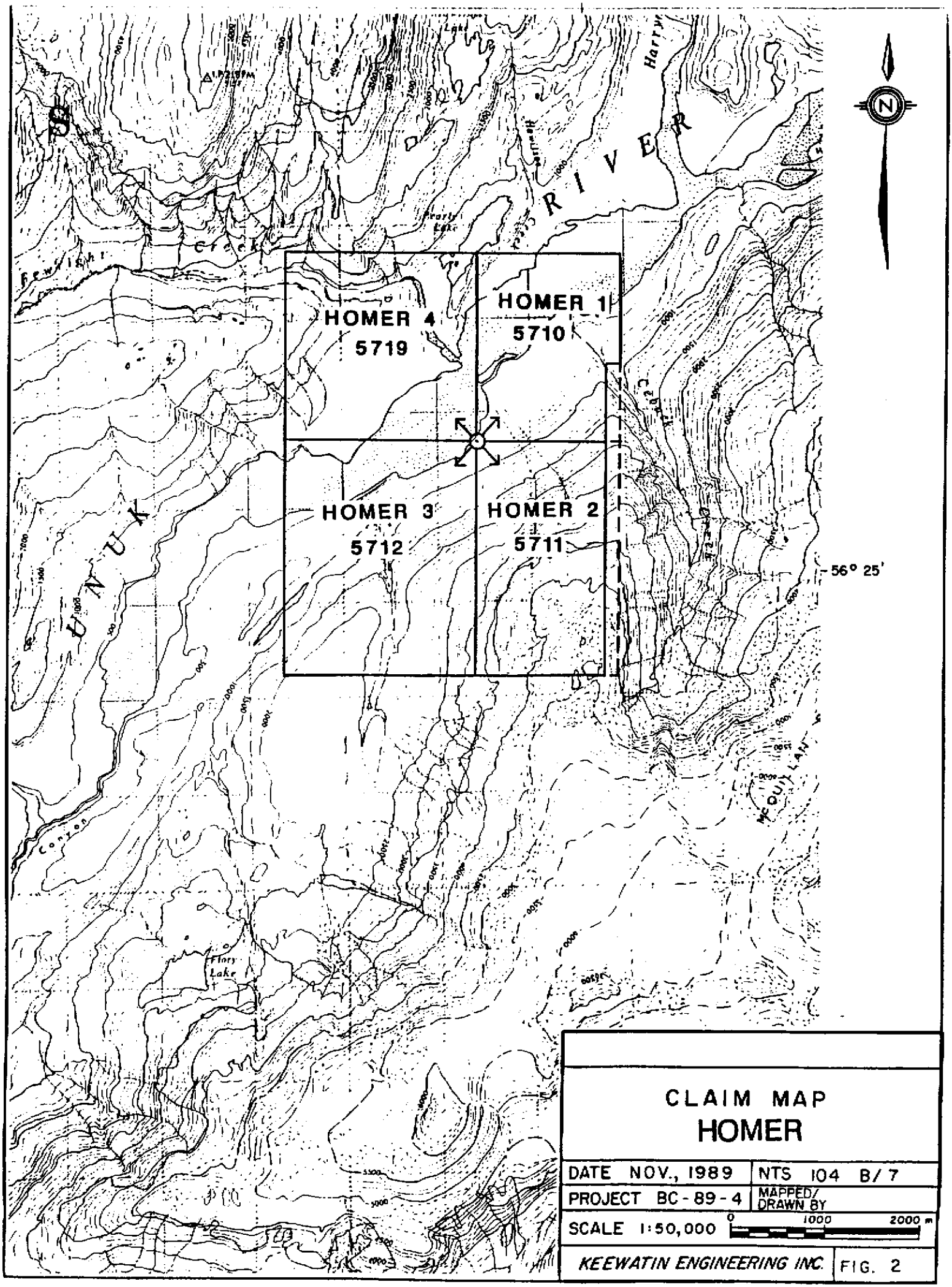
2.3 Property Status and Ownership

The Homer property (Figure 2) consists of four modified-grid claims totalling 63 units located within the Skeena Mining Division. These claims are fully described in Table 1.

TABLE 1 - HOMER PROPERTY CLAIM STATUS

Claim Name	No. of Units	Record No.	Date of Record	Expiry Year
Homer 1	12	251608	January 5, 1987	1992
Homer 2	15	251609	January 5, 1987	1992
Homer 3	20	251610	January 5, 1987	1992
Homer 4	16	251611	January 5, 1987	1992

These claims are apparently the subject of an agreement between the claim holder (Mr. A. Erlank) and Winslow Gold Corp. Winslow subsequently optioned the property to Ferret Exploration Ltd./Bodega Ventures Inc. The claim records and maps show that the property was subsequently overstaked. The eastern edge of Homer 1 and 2 claims encompass a sliver of pre-existing mineral claims.



CLAIM MAP
HOMER

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

2.4 History of Exploration

2.4.1 Regional History

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. The porphyry copper boom of the 1970's once again regenerated interest in 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. The Johnny Mountain was brought into production in mid-1988 and the adjacent SNIP property (Cominco-Prime) was brought into production during the summer of 1991.

At this time the Eskay Creek Prospect, located 20 km north of the Homer Property, is the most significant showing in the area. This property is currently being explored by Corona Corp. and Placer Dome Inc. The Eskay Creek prospect is comprised of at least eight mineralized zones occurring over a strike length of 1,800 metres within a sequence of felsic volcanics (Mount Dilworth Formation).

In 1988, Calpine Resources Incorporated discovered high-grade gold and silver mineralization on the #21 Zone. Preliminary drilling on the #21 Zone intersected 96 feet assaying 0.752 oz/ton gold, 1.13 oz/ton silver including 52.5 feet of 1.330 oz/ton gold and 1.99 oz/ton silver (Northern Miner, November 7, 1988). The 21A deposit is currently estimated to contain probable reserves of 203,000 tons of 0.166 oz/ton gold and 6.7 oz/ton silver at a gold cut-off grade of 0.25 oz/ton. The 21B and 21C Deposits and the Pumphouse Lake Zone are estimated to contain possible reserves of 2,093,000 tons of 1.43 oz/ton gold and 54.01 oz/ton silver at the same cut-off grade (Prime Capital Corporation, News Release, September 14, 1990).

The Unuk River area was covered by regional geological mapping in 1988 as part of the Iskut-Sulphurets project conducted by the B.C. Ministry of Energy, Mines and Petroleum Resources (Britton et al., 1989). The entire NTS 104B map sheet is currently being mapped by 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. (1989) reported that almost every known precious metal prospect in the Unuk River area is associated with high stream gold values. Known gold occurrences are also associated with high but variable values for such pathfinder elements as silver, arsenic, antimony and barium.

2.4.2 Property History

There are several Minfile showings located on the property and in the surrounding area.

The Unuk River (Nine Mile) copper showing (Minfile #96) occurs on the Homer 1 claim. In 1929, two claims were staked to cover this showing with its high percentage of copper.

In 1929, two placer claims were located near the mouth of Fewright Creek (Minfile #223) in the northeast portion of the Homer 4 claim. Gravels were reported to carry free gold on the surface, to an equivalent amount of approximately 14 grams/tonne Au.

From 1959 to 1962 Newmont Mines Ltd. conducted a reconnaissance geological mapping and prospecting program over the entire Unuk River area. This program led to the discovery of a number of showings within or adjacent to the property boundaries.

In 1960, Granduc Mines Ltd. conducted magnetometer surveys, soil geochemistry and geological mapping programs on their Max claims (Assessment File #346). A portion of this program covered areas encompassed by the current property boundaries.

Small occurrences of magnetite, pyrite, pyrrhotite with trace chalcopyrite were located near the diorite contact. The magnetometer surveys delineated a number of magnetic anomalies attributed to disseminated magnetite in weakly silicified tuffs.

The Max deposit (Minfile #013) is located 1 km east of the property. The deposit consists of massive magnetite mineralization and associated chalcopyrite, pyrrhotite and pyrite. Drilling has indicated a body of medium-grade magnitude estimated to contain 11,176,550 tonnes averaging 45% iron (Granduc Mines Ltd., 1962 Annual Report).

In 1968, Granduc Mines Ltd. conducted an electromagnetic and magnetic survey over McQuillan Ridge. A portion of this survey encompassed the Homer property.

In 1971, Great Plains Development Company of Canada Ltd. undertook a reconnaissance geochemical program in the Mt. Dunn and neighbouring areas which resulted in the staking of a copper anomaly (Minfile #79) located 2 km north of the property. Work in this area in 1974 and 1975 led to additional staking north and south, covering the northwestern portion of the current property. Exploration work completed in this area did not extend onto the Homer property.

The Cebuck Creek gold/silver showing (Minfile #222) occurs adjacent to the northeastern boundary of the property. In 1978, a small pit was excavated close to the edge of Cebuck Creek in a pyritized volcanic sandstone.

Paul A. Hawkins and Associates Ltd. on behalf of Axiom Explorations Ltd., in 1987, conducted a reconnaissance mapping, prospecting and geochemical program over several claim groups in the Unuk River area. A prominent northeast trending topographic aerial photo lineament cuts across the southeast corner of the property. An aerial reconnaissance of this area located several gossanous zones along this lineament. Lithogeochemical sampling in this area yielded background gold and silver values. No direct evidence for the interpreted shear was found; however the more prominent lineament zone was covered in snow.

Exploration completed adjacent to the northeastern claim boundary located a 70 cm wide quartz vein occurring along the west bank of Cebuck Creek. The northerly striking quartz vein intrudes an sandstone altered to greenschist and yielded anomalous gold values (0.01 to 0.08 oz/ton).

An airborne electromagnetic and magnetic survey was flown over the Homer claims in 1988. A number of north-northeast trending, weak to moderate strength conductors were delineated on the property. A strong apparent resistivity anomaly was defined, coinciding with the Unuk River, possibly outlining an underlying silicified shear zone. A second apparent resistivity low zone was defined in the northeastern corner of the Homer 4 mineral claim on the flank of a broad moderate magnetic anomaly. The interpretation of the data also outlined the possible presence of iron formation in the south-central part of the Homer 2 claim.

In 1989, Keewatin Engineering Inc. on behalf of Ferret Exploration Ltd. and Bodega Ventures Inc. conducted a helicopter-supported prospecting, geological mapping and geochemistry (lithogeochemical, stream silt and heavy mineral sampling) program. Minfile locations and other areas of known mineralization and gossans were investigated and sampled. A total of 6 rock, 18 stream silt and 4 heavy mineral samples were taken.

The Flory Creek Fault zone cuts diagonally across the Homer 3 claim. The Minfile plots two copper occurrences within and adjacent to this fault zone. Prospecting was conducted along the west side of the zone and did not locate any mineralization.

Reconnaissance prospecting was completed over the Unuk River (Nine Mile) copper showing (Minfile #096). Magnetite-bearing skarns occur along the diorite contact with the Stuhini sediments. No mineralization was located within the skarns. Lithogeochemical sampling did not yield any anomalous precious or base metals values.

Three consecutive silt samples from the same creek in the north-central part of Homer 2 claim yielded elevated to highly anomalous gold values.

A total of four heavy mineral samples were collected from creeks draining the property. Sample KWH-18B, from a creek located near the north-central portion of the Homer 4 claim and flowing along a possible fault trace, yielded elevated Au (180 ppb), Ag (2.8 ppm), As (221 ppm), Cu (848 ppm), Ni (248 ppm) and Zn (772 ppm) values.

The 1990 exploration program consisted of helicopter supported geological mapping, contour soil sampling and stream sediment sampling. A total of 27 rock samples, 347 contour soil samples and 23 stream silt samples were collected from the Homer 1 to 4 claims. The area near the common claim boundary between the Homer 1 and 2 claims, in proximity to a magnetite-bearing diorite-volcanic contact, was contour sampled and yielded elevated gold-in-soil values up to 648 ppb Au. The southeast corner of the Homer 1 claim yielded a strongly anomalous gold-in-stream silt value of 2,230 ppb Au (1,500 foot contour soil line).

A broad area measuring 1,400 metres long by 600 metres wide in the northern section of the Homer 2 claim yielded elevated gold-in-soil values. This area was targeted for follow-up exploration during the 1991 field season.

2.5 Objectives of the 1991 Work Program

The 1991 field exploration program consisted of helicopter-supported follow-up geological mapping, and geochemical sampling in areas outlined during the 1990 field exploration program which yielded elevated gold assays.

A total of 127 soil samples, 12 stream silt and 30 rock samples were collected from the Homer property. Most of the contour soil sampling was done in the southeast corner of the Homer 1 claim and the northern part of the Homer 2 claim. Contour soil samples taken during the 1990 exploration program yielded elevated gold-in-soil values in these areas.

3.0 GEOLOGY

3.1 Regional Geology

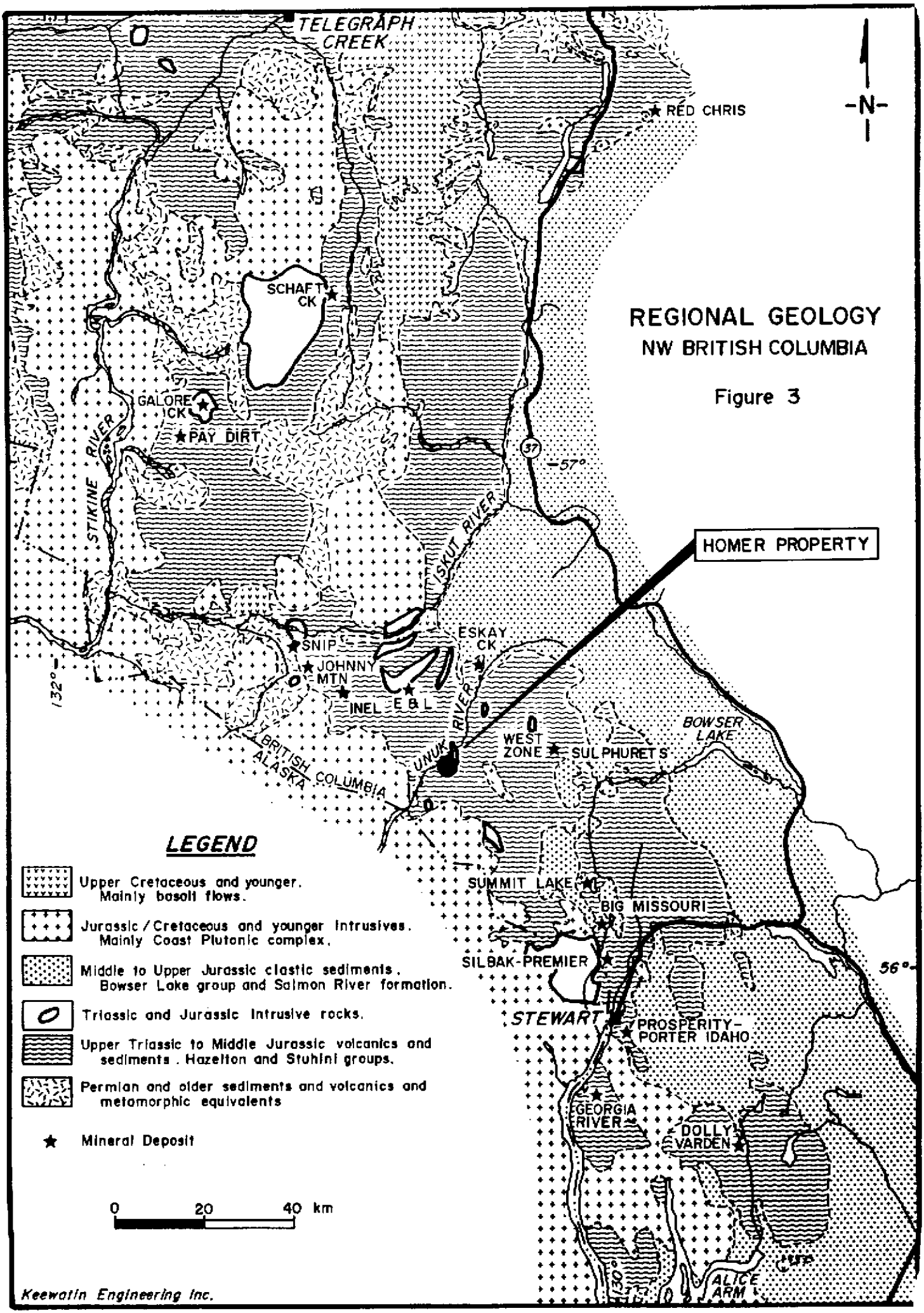
The property lies within the Intermontane Tectono-Stratigraphic Belt, one of five parallel northwest-southwest trending belts which comprise the Canadian Cordillera (Figure 3). The Homer property occurs near the contact between the Stikine Terrane, which makes up most of the western part of the Intermontane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

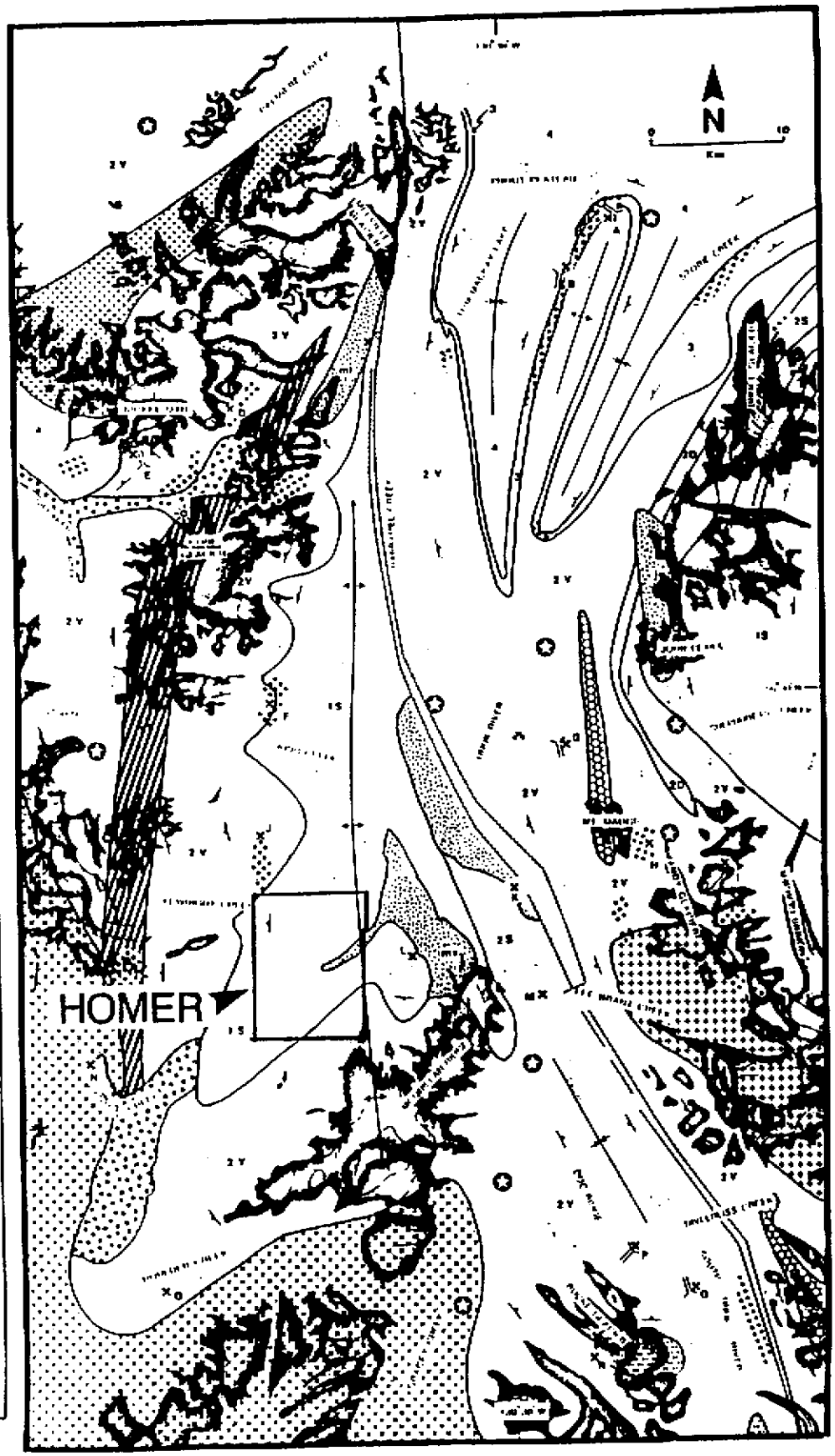
The Unuk River area is underlain by a thick succession of Upper Triassic to Lower Jurassic volcano-sedimentary arc-complex lithologies capped by Middle Jurassic marine basin lithologies. This package has been intruded by a variety of plutons representing at least four intrusive episodes spanning late 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.

3.2 Property Geology

Regional geological mapping by Britton et al. (1989) shows that the property is predominantly underlain by Upper Triassic sediments and intermediate volcanics tuffs of the Stuhini Group (Figure 4). The southeastern corner of the property is underlain by the Lower Jurassic Unuk River Formation which consists of andesitic volcanics with lesser sediments. The northeastern corner of the property is underlain by the Max Diorite Stock (Figure 5). These units are described by Britton et al. (1989) below:


TELEGRAPH CREEK
RED CHRIS
N
REGIONAL GEOLOGY
NW BRITISH COLUMBIA
Figure 3
SCHAFT CK
GALORE CK
PAY DIRT
STIKINE RIVER
37
57°
HOMER PROPERTY
TSKUT RIVER
ESKAY CK
SNIP
JOHNNY MTN
INEL
E & L
132°
UNUK RIVER
WEST ZONE
SULPHURETS
BOWSER LAKE
BRITISH COLUMBIA
ALASKA
LEGEND
Upper Cretaceous and younger. Mainly basalt flows.
Jurassic / Cretaceous and younger intrusives. Mainly Coast Plutonic complex.
Middle to Upper Jurassic clastic sediments. Bowser Lake group and Salmon River formation.
Triassic and Jurassic intrusive rocks.
Upper Triassic to Middle Jurassic volcanics and sediments. Hazelton and Stuhini groups.
Permian and older sediments and volcanics and metamorphic equivalents
Mineral Deposit
SUMMIT LAKE
BIG MISSOURI
SILBAK-PREMIER
56°
STEWART
PROSPERITY-PORTER IDAHO
GEORGIA RIVER
DOLLY VARDEN
130°
ALICE ARM
0 20 40 km
Keewatin Engineering Inc.



LEGEND

INTRUSIVE ROCKS

- Eocene: King Creek Dyke Swarm
- Eocene: Coast Plutonic Complex
- Eocene: Lee Brant Stock
- Jurassic: Lehto Porphyry
- L Jurassic to U Triassic: Diorite and Gabbro: Nickel Mountain (nm), John Peaks (jp), Melville (mv), Max (mx)
- U Triassic: Meta-quartz-diorite

STRATIFIED ROCKS

- Recent to Pleistocene: Basalt Flows and Tephra
- M Jurassic: 4 — Marine-basin Turbidites
- M Jurassic: 3 — Felsic Pyroclastics
- L Jurassic: D / 2 V / S
- U Triassic: 1 V / S

D = Dacite Marker
V = Andesitic Volcanics (with <10% sediments)
S = Sediments (with <40% volcanics)

SYMBOLS

- Compositional layering (bedding; foliation)
- Contact
- Anticline; syncline
- Harrymel-South Unuk shear
- Pillow lavas
- Recent volcanic vent
- Gossan
- Adit
- Stream sediment gold values >90th percentile
- Mineral occurrence
- Placer occurrence

MINERAL OCCURENCES

	NAME	COMMODITY
A	Emma	Au,Ag,Pb,Zn,Cu
B	MacKay	Au,Ag,Pb,Zn,Cu
C	Copper King	Cu,Fe
D	Colagh	Cu
E	E&L Nickel	Ni,Cu
F	Cole	Cu,Au,Ag
G	Cumberland/Daly	Au,Ag
H	Mt. Madge (C-1D)	Au,Ag,Zn
I	Mt. Madge (GFJ)	Au,Ag,Cu,Zn
J	VV	Cu,Mo,Au,Ag
K	Chris & Anne	Cu,Fe
L	Max	Fe,Cu
M	Unuk Jumbo	Fe,Cu
N	Black Bear	Au,Pb,Zn
O	Boulder Creek	Pb,Zn,Au,Cu
P	Doc	Au,Ag,Pb,Cu
Q	Globe	Au,Ag,Pb,Cu
R	All	Au,Ag

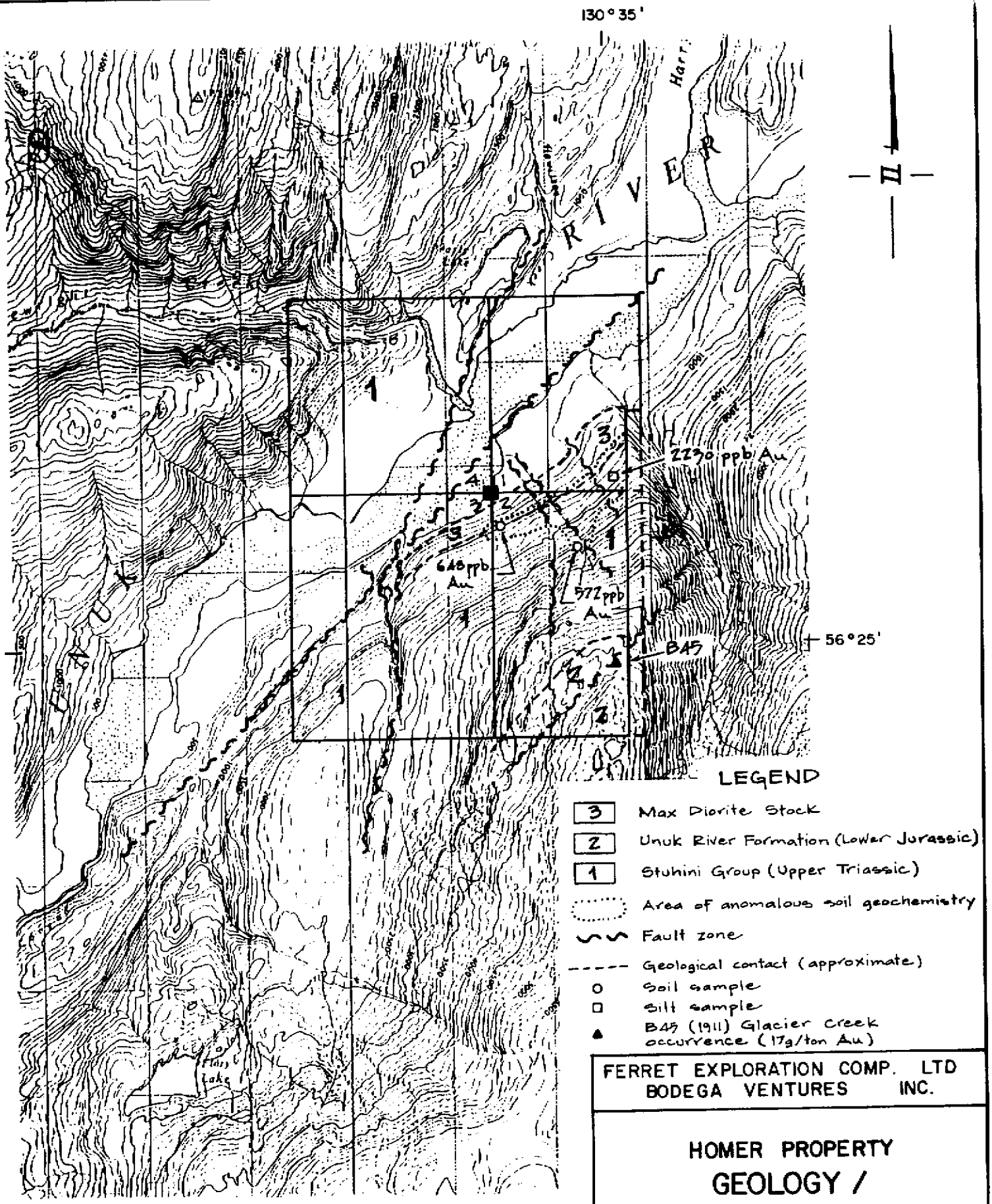
NOTE: Not to scale

Geology and mineral deposits, Unuk map area.

Modified after Britton et. al. (1989)

PROPERTY GEOLOGY

Figure 4



FERRET EXPLORATION COMP. LTD
BODEGA VENTURES INC.

HOMER PROPERTY
GEOLOGY / COMPILATION MAP

Date: Nov. 1990	NTS: 104 B/7
Project: 321	G. Wesa
Scale: 1:50000	
Keewatin Engineering Inc.	Figure 5

Map Units

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 most of the property, consisting 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 fine-grained immature 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. Regional geological mapping (Britten et al., 1989) indicates that this unit may underlie the southeastern corner of the property.

Jurassic Max Diorite Stock (Unit 3)

This irregularity shaped Triassic or younger diorite stock intrudes the Upper Triassic Stuhini Group sediments in the northeastern corner of the property. It is medium- to coarse-grained, equigranular and ranges in composition from biotite hornblende diorite to quartz diorite.

Geological mapping during the 1991 season concentrated mostly on the Homer 2 claim which is predominantly underlain by the volcanic and sedimentary rocks of the Stuhini Group.

The southeast corner of Homer 1 and the northern part of Homer 2 are underlain by chloritized, locally foliated, thinly bedded to massive, ash to lapilli tuffs intruded by small plugs of hornblende diorite porphyry. The southern portion of the Homer 2 is characterized by andesitic ash to lapilli tuffs, heterolithic fragmental (breccia and conglomerate) flows interbedded with black argillites, greywackes and hornblende andesite porphyry flows. The hornblende andesitic porphyry flows, with large euhedral, black hornblende phenocrysts up to an inch across in a dark green groundmass, form steep gossanous cliffs. These rocks belong to the Upper Triassic to Lower Jurassic Unuk River Formation (Map 1).

A fault striking 045° separates volcanic flows and tuffs northwest of the fault from massive bedded to finely laminated ash tuffs and siliceous porphyry flows southeast of the fault.

The bedrock lithologies on the Homer 3 claim are intermediate ash to lapilli tuffs, heterolithic fragmental flows and andesitic flows which are overlain near the western boundary of the Homer 3 claim, by a pale to cream coloured pebble quartzite. The pebble quartzite is in turn overlain by massive altered andesite.

Medium to coarse hornblende diorite, belonging to the Jurassic Max Diorite Stock, intrudes the Stuhini Group volcanic and sedimentary rocks in the southeastern part of the Homer 1 claim, northwestern Homer 2 claim and southeastern Homer 3 claim.

The central portion of the Homer 4 claim is underlain by steeply dipping, light grey ash to lapilli tuffs.

3.2.1 Structure

Britten et al. (1989) mapped several assumed faults south of and within the property. These are assumed to be normal faults and are described as megascopic structures with relatively little offset. The faults may have developed concurrently with regional folding.

The major structure on the property is the Flory Creek fault which trends northeasterly through the western part of the Homer 3 claim. The Flory Creek fault is hosted within intensely fractured, sheared, chlorite-carbonate-limonite altered volcanic sediments and pyroclastics of the Stuhini Group. A second, locally offset, north-south trending fault bisects the Flory Creek fault and can be traced north of the Unuk River.

Several northwest trending faults bisect the contact between the altered, andesitic tuffs and the hornblende diorite exposed in steep gullies located in the southern sections of the Homer 1 claim and the northern portion of the Homer 2 claim.

Several sets of 045° and 150° trending faults cut the andesitic pyroclastic and massive porphyry flows located in the southeast corner of the Homer 2 claim. These faults control and influence the alteration of the volcanic assemblage and may account for the single gold value of 17 g/t Au (B45) from a rock sample reported in a 1911 government report (Equity Preservation Corp., 1988).

Bedding on the property generally strikes north to northeasterly with dips variable from vertical to gently easterly dipping. The exception is the southwestern corner of the Homer 3 claim in the area of the Flory Creek fault where the strata strike north to east to southwest with variable dips.

3.2.2 Alteration

Rocks on the property exhibit low grade regional metamorphism of greenschist facies, as evidenced by the presence of chlorite. Alteration is also localized and controlled by faulting and shearing. Quartz-carbonate-limonite alteration is commonly found in the volcanic tuffs and fragmentals transected by the series of northwest trending faults on the Homer 2 claim. Pinch and swell calcite-quartz-chlorite veins and quartz flooded shear zones up to 0.30 m wide occur in these gullies. The diorite intrusions within the gullies are chloritized and carbonated. The volcanics in contact with the diorite appear hornfelsed and strongly chloritized.

Intense silica flooding and quartz-carbonate-limonite alteration occurs within the Flory Creek fault and the north trending fault located in the north-central half of the Homer 3 claim. The alteration of the wall rock at this location, is accompanied by quartz-calcite-chlorite veins and quartz-calcite flooded boudinaged shear zones.

3.2.3 Mineralization

Mineralization observed on the property was limited mostly to 1% fine grained, disseminated pyrite ± pyrrhotite in the Stuhini Group volcanics and sediments and within the diorites of the Unuk River Diorite Suite. Higher concentrations of sulphide mineralization are controlled and localized along the major fault and shear zones.

The fractured and sheared limonitic andesite tuffs hosted in the Flory Creek fault contain 2-3% disseminated pyrite and pyrrhotite. The finely banded silicified ash tuffs located at the junction of the Flory Creek fault and the northerly trending fault in the central portion of Homer 3 contains 5-7% pervasive pyrite ± pyrrhotite with local concentrations of up to 10-15% sulphides.

Mineralization observed on the northern portion of the Homer 2 claim was limited to 1-2% fine grained, disseminated pyrite within the Stuhini Group volcanics and sedimentary rocks and the hornblende diorite belonging to the Jurassic Max Diorite Stock. In this area of elevated soil anomalies (990 ppb Au) the highest lithogeochemical sample (91BMR3808) of brecciated quartz diorite with <1% pyrite yielded 303 ppb Au.

The gossanous fault zones in the southern portion of the Homer 2 claim host 2-10% disseminated pyrite and pyrrhotite. Locally, samples taken from the gossanous hornblende andesite porphyry contain up to 20% finely disseminated pyrite (91MBM321F3831 and 91BM321R3832).

Disseminated magnetite (1-2%) occurs within the diorites of the Max Diorite Stock which, locally, causes the weak to moderate magnetic influence.

4.0 1991 EXPLORATION PROGRAM

4.1 Geological Mapping

The 1991 program of geological mapping was concentrated on the Homer 2 claim in the areas where the 1990 contour soil sampling program yielded elevated gold results. One mapping/prospecting traverse was completed along the north-south fault located in the central portion of Homer 3. A short prospecting traverse was completed in the central portion of the Homer 4 claim.

4.2 Geochemistry

A total of 125 soil samples, 12 stream silt samples and 30 rock samples were taken as part of the geochemical survey on the Homer property. Sample locations were flagged and marked with a tyvek tag. The sample locations and identifiers are plotted on Map 2. All samples were shipped to Bondar Clegg and Company Ltd. of North Vancouver where they were analyzed for Au (fire assay with AA finish) and 7 element ICP (Ag, Cu, Pb, Zn, As, Sb, Mo). The analytical techniques are described in Appendix IV.

4.2.1 Stream Silt Geochemistry

A total of 12 stream silt samples were collected during the 1991 field season. Three silt samples (91AW321LE1550FL001, 91BM321L1525FE002 and 003) were taken above and below the 1990 silt sample which yielded 2,230 ppb Au and elevated soil samples in the eastern corner of Homer 1. None of the three silt samples produced anomalous values.

Of the eight silt samples taken from the drainages sampled in the northern part of Homer 2, only two returned with anomalous values. Sample 91AW321LE1050F006 yielded 466 ppb Au. Sample 91BM321L1700FE004 returned 416 ppb Au.

Sample 91AW321LWL007 taken from the north drainage on the Homer 3 claim returned 87 ppb Au.

4.2.2 Soil Geochemistry

A total of 125 contour soil samples were collected along contour lines placed roughly 25 to 80 metres upslope from anomalous contour soil samples taken in 1990. Samples of the "B" horizon were collected by using a long handled spade with sample stations every 25 metres.

The highest soil sample collected returned a value of 990 ppb Au and is located on the 1,050 foot contour line at the claim boundary between the Homer 1 and 2 claims. Other samples taken along this 375 m long contour line returned moderately to strongly elevated gold values (28 ppb, 38 ppb and 232 ppb). Similarly, the 550 metre long soil line at the 1,500 foot contour yielded weak to moderate gold values with one elevated value of 113 ppb Au. These geochemical anomalies appear to be coincident with the three incised, northwesterly trending faults.

Other, shorter soil lines were put in around isolated elevated 1990 gold results (94 ppb and 39 ppb Au) located at the eastern end of the 1,000 foot contour lines (Homer 1 claim). The 1991 soils returned values of 120 ppb and 141 ppb Au. The 100 metre long soil line at the 1,050 foot contour located on Homer 3 returned elevated gold values of 69, 791, 173 and 162 ppb Au. The 1990 gold values taken from the 1,000 foot contour (Homer 3), yielded only moderately elevated values of 26, 35, 40 and 73 ppb Au.

Soil samples taken from the central portion of the Homer 4 claim returned moderately to strongly elevated silver values (2.4, 1.3, 14.0 ppm Ag).

Limited soil sampling in the southern portion of the Homer 2 claim yielded only one moderately elevated soil samples of 60 ppb Au.

Detailed soil and silt sample descriptions are attached in Appendix VII. Soil and silt geochemical results are found in Appendix V and plotted on Maps 3 and 4.

4.2.3 Rock Geochemistry

A total of 30 grab samples were collected during prospecting/geological mapping traverses on the Homer property. The lithogeochemical sampling returned low values for all of the elements analyzed. A float sample of sericitic, intermediate volcanic with 10% pyrite taken from the southern part of Homer 2 returned the highest values of 440 ppb Au, 11.2 ppm Ag, 306 ppm Cu, 862 ppm Zn, 108 ppm As (sample 91BM321R3831). Rock geochemical results are plotted on Maps 3 and 4. Rock description records are included in Appendix VI and geochemical results in Appendix V.

5.0 CONCLUSIONS

The 1991 exploration program on the Homer property consisted of prospecting, mapping and geochemical sampling. Work was confined mostly to anomalous areas outlined from the 1990 exploration program.

Geological mapping determined that the property is underlain by an assemblage of Upper Triassic Stuhini Group volcanic and sedimentary rocks composed of thinly bedded to massive andesitic ash to lapilli tuff, fragmental flows and interbedded argillite, greywacke and minor shales. These rocks are intruded by small stocks and plugs of hornblende diorite and are cut by fault zones, the major zone being the Flory Creek fault as well as a series of northwest trending faults on the Homer 2 claim. Unuk River Formation rocks comprised of andesitic ash to lapilli tuffs, heterolithic fragmental flows and a hornblende andesite porphyry flow overlie the Stuhini Group rocks.

A total of 125 soil samples, 12 silt and 30 rock samples were taken. The results of the soil geochemical survey substantiated the findings of the 1990 contour soil sampling program. Elevated gold-in-soil results occur in the southeast corner of Homer 1 and the northern portion of the Homer 2 claims. In this area, a series of faults transect the contact between the Upper Triassic Stuhini Group volcanics and sediments and the Jurassic Max Diorite Stock. The presence of elevated gold-in-soil results proximal to a fault zone may indicate the potential for a larger deeper gold bearing system.

Rock samples taken during both the 1990 and 1991 field programs failed to return any encouraging results. Only one sample of float returned an anomalous value in Ag of 11.2 ppm.

6.0 RECOMMENDATIONS

The geochemical survey of both 1990 and 1991 has outlined an area of elevated gold-in-soil located in the southeast corner of Homer 1 and the northern portion of Homer 2. This area warrants further investigation through the establishment of a grid followed by grid controlled soil geochemistry and mapping. If anomalous target areas are outlined by grid controlled soil and lithogeochemical sampling, the area should be further evaluated by exposing the bedrock through blasting or hand trenching. The trenches should be mapped and chip sampled across appropriate intervals.

Respectfully submitted,

KEEWATIN ENGINEERING INC.

Sara Howson

Sara Howson, B.A.

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APPENDIX I

Statement of Qualifications

STATEMENT OF QUALIFICATIONS

I, SARA HOWSON, of 173 West 18th Avenue, Vancouver, B.C. do hereby certify that:

1. I am an independent prospector under subcontract to Keewatin Engineering Inc. with offices at Suite 800 - 900 West Hastings Street, Vancouver, B.C.

2. I worked on the Homer Property from July 30, 1991 to August 1, 1991.

3. I am a graduate of the University of Guelph, Guelph, Ontario, with a Bachelor of Arts Degree, Major in Geography.

4. I have worked continuously in mineral exploration, largely on a contractual basis, as a field assistant and prospector since 1981.

5. I have no interest, neither direct nor indirect in the properties or securities of Ferret Exploration Ltd. or Bodega Ventures Inc. nor do I expect to acquire any such interest.

Dated at Vancouver, British Columbia this 29th day of November, 1991.

Respectfully submitted,

Sara Howson

Sara Howson, B.A. (Geography)

APPENDIX II

Summary of Field Personnel

SUMMARY OF FIELD PERSONNEL

Name	Position	Days Worked
S. Howson	Senior Prospector	3
B. McIntyre	Senior Prospector	7
A. Wardwell	Field Assistant	7
K. Webb	Field Assistant	3

APPENDIX III

Statement of Expenditures

STATEMENT OF EXPENDITURES

Field Program	
Labour	$ 4,980.00
Helicopter	2,122.80
Camp Rental	1,200.00
Field Equipment Rental	600.00
Shipping	100.00
Assays	2,060.00
Post-Field (estimate)	2,500.00
TOTAL EXPENDITURES:	**$13,562.80**

APPENDIX IV

Analytical Procedures

ANALYTICAL PROCEDURES USED BY BONDAR-CLEGG AND COMPANY LIMITED

Sample Preparation

Silt and Soil

Dry and sieve through 80 mesh screens. Gold values are determined on 30 gram, representative sample of minus 80 fraction by fire assay with AA finish; remaining elements are determined using 0.6 gram sample of minus 80 fraction by hot aqua regia digestion followed by ICP.

Rocks

Dry and crush to minus 150 mesh; analysis made on minus 150 fraction by methods described above.

Geochemical Analysis

Gold is determined on a test sample of 30 g using Fire Assay Lead Collection pre-concentration. The bead is dissolved in nitric acid and hydrochloric acid and run by Atomic Absorption.

Mercury is determined on a test sample of 0.6 g. The sample is digested by aqua regia and bulked to 12 ml. The solution is then run by ICP.

Fire Assay Procedure for Au

A prepared sample of one assay ton (29.166 grams) is mixed with a flux which is composed mainly of lead oxide. The proportions of the flux components (the litharge, soda, silica, borax glass and flour) are adjusted depending upon the nature of the sample. Silver is added to help collect the gold. The samples are fused at 1950°F until a clear melt is obtained. The 30-40 gram lead button that is produced contains the precious metals. It is then separated from the slag. Heating in the cupellation furnace separates the lead from the noble metals. The normal-sized precious metal beads that are produced are transferred to test tubes and dissolved with aqua-regia. This solution is analyzed using Atomic Absorption by comparing the absorbance of these solutions with that of standard solutions. In the case of high grade samples, the precious metal bead is parted to separate the silver and the remaining gold is weighed.

Comments

As part of the routine quality control, we run a duplicate analysis for about 12% of the samples. Also, all samples which are over 0.20 opt on the original fusion are run again to verify the results. If a sample gives erratic results, such as 0.10, 0.020, 0.30, we will indicate this on the report. We suggest that a new split should be taken from the reject for preparation and analysis by our metallics sieve procedure. These assay results will always be signed by the registered assayer.

Contamination Prevention

The test tubes and cupels are used only once so that there is no possibility of cross contamination. The fusion crucibles are cleared before re-use by discarding any which had high samples in them. During the analysis a blank solution is run between each sample to ensure that there is no carry over.

Determination of Arsenic by Borohydride Generation

Samples of 0.5 grams in weight are digested in borosilicate glass test tubes, with concentrated nitric and hydrochloric acids. These tubes are heated in a 90°C water bath for two and on-half hours. The sample is then diluted with 14% HCl and mixed. A 0.5 ml aliquot is taken from this solution and HCl, deionized water, and potassium iodide are added. The resulting mixture is allowed to sit for one hour, after which it is run through a hydride generation system. In this system, the solution is reduced with sodium borohydride, releasing arsenic in arsine gas. The arsine gas is then swept into a quartz furnace mounted on a flame AA unit. The absorbance is recorded and compared to a standard series to determine the amount of arsenic present.

Quality Control

Standards, repeats and blanks are run with each batch of samples. These are carefully checked and reweighs of samples are ordered if necessary. High arsenic results are also checked by running the original solution by flame AA and comparing the results from the two procedures.

The lower detection limits for the elements analyzed are listed below:

Element	Lower Detection Limit
Au Gold 30 grams	5 ppb
Ag Silver	0.2 ppm
Cu Copper	1 ppm
Pb Lead	2 ppm
Zn Zinc	1 ppm
As Arsenic	5 ppm
Sb Antimony	5 ppm
Mo Molybdenum	1 ppm
Hg Mercury	0.010 ppm

APPENDIX V

Soil and Stream Silt Geochemical Lab Reports

Bondar-Clegg & Company Ltd.
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BONDAR-CLEGG

A DIVISION OF INCHCAPE INSPECTION & TESTING SERVICES

Geochemical Lab Report

REPORT: V91-01106.0 (COMPLETE)

DATE PRINTED: 19-AUG-91
PROJECT: 321 PAGE 1

SAMPLE NUMBER	ELEMENT UNITS	Au_30g PPB	Ag PPM	Cu PPM	Pb PPM	Zn PPM	As PPM	Sb PPM	Mo PPM
S1 91AW321SW1000FS001		120	<0.2	7	2	32	<5	<5	2
S1 91AW321SE1000FS002		9	<0.2	12	<2	38	<5	<5	1
S1 91AW321SE1000FS047		141	<0.2	12	2	26	<5	<5	2
S1 91AW321SE1025F0+00W		8	<0.2	15	13	40	33	8	6
S1 91AW321SE1025F0+25W		36	<0.2	23	<2	52	<5	<5	<1
S1 91AW321SE1025F0+50W		13	<0.2	12	7	34	9	<5	2
S1 91AW321SE1025F0+75W		17	0.3	11	10	28	27	8	3
S1 91AW321SE1025F1+00W		7	<0.2	7	4	35	6	<5	2
S1 91AW321SE1025F1+50W		14	<0.2	7	5	23	<5	<5	<1
S1 91AW321SE1025F1+75W		18	<0.2	20	3	31	<5	<5	1
S1 91AW321SE1025F2+00W		29	<0.2	16	7	24	18	6	2
S1 91AW321SE1030F0+00E		19	<0.2	18	12	76	22	<5	5
S1 91AW321SE1030F0+25E		54	<0.2	18	18	63	35	7	5
S1 91AW321SE1030F0+50E		21	<0.2	9	8	30	16	<5	2
1 91AW321SE1030F0+75E		25	<0.2	16	8	41	<5	<5	3
S1 91AW321SE1030F1+00E		16	<0.2	19	7	23	10	<5	2
S1 91AW321SW1050F0+00W		69	<0.2	8	12	39	24	9	2
S1 91AW321SW1050F0+25W		791	<0.2	14	8	44	15	5	3
S1 91AW321SW1050F0+50W		173	<0.2	18	4	48	7	<5	2
S1 91AW321SW1050F0+75W		162	<0.2	4	<2	39	<5	<5	<1
S1 91AW321SW1050F1+00W		24	<0.2	7	3	30	<5	<5	1
S1 91AW321SE1050F0+00W		17	<0.2	18	9	53	7	<5	3
S1 91AW321SE1050F0+25W		28	0.7	33	25	47	79	20	6
S1 91AW321SE1050F0+50W		16	<0.2	18	7	25	18	5	2
S1 91AW321SE1050F0+75W		13	<0.2	12	<2	39	<5	<5	1
S1 91AW321SE1050F1+00W		6	<0.2	5	<2	41	<5	<5	<1
S1 91AW321SE1050F1+25W		232	<0.2	21	<2	74	17	<5	<1
S1 91AW321SE1050F1+50W		990	<0.2	26	<2	35	<5	<5	<1
S1 91AW321SE1050F1+75W		<5	<0.2	83	<2	90	31	<5	1
S1 91AW321SE1050F2+00W		<5	<0.2	15	3	41	7	<5	<1
S1 91AW321SE1050F2+25W		11	<0.2	16	10	42	21	7	2
S1 91AW321SE1050F2+50W		6	<0.2	12	<2	36	<5	<5	<1
S1 91AW321SE1050F2+75W		17	<0.2	42	4	44	7	<5	<1
S1 91AW321SE1050F3+00W		11	0.4	27	19	55	49	15	8
S1 91AW321SE1050F3+25W		38	<0.2	29	5	54	13	<5	2
1 91AW321SE1050F3+50W		24	<0.2	21	11	77	13	<5	2
S1 91AW321SE1050F3+75W		30	<0.2	58	<2	85	<5	<5	<1
S1 91AW321SE1500F0+00		70	<0.2	49	5	33	16	<5	2
S1 91AW321SE1525F0+00W		24	<0.2	37	2	42	<5	<5	<1
S1 91AW321SE1525F0+25W		13	<0.2	47	7	49	9	<5	1

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Geochemical Lab Report

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PROJECT: 321 PAGE 2

SAMPLE NUMBER	ELEMENT UNITS	Au_30g PPB	Ag PPM	Cu PPM	Pb PPM	Zn PPM	As PPM	Sb PPM	Mo PPM
S1 91AW321SE1525F0+50W		19	<0.2	42	8	53	<5	<5	1
S1 91AW321SE1525F0+75W		10	<0.2	23	6	33	<5	<5	1
S1 91AW321SE1525F1+00W		15	<0.2	24	5	24	<5	<5	<1
S1 91AW321SE1525F0+00E		14	<0.2	39	7	65	<5	<5	2
S1 91AW321SE1525F0+25E		13	<0.2	49	17	62	24	<5	7
S1 91AW321SE1525F0+50E		18	0.5	124	7	113	71	<5	6
S1 91AW321SE1525F0+75E		13	<0.2	33	8	59	26	<5	3
S1 91AW321SE1525F1+25E		9	<0.2	16	8	35	<5	<5	<1
S1 91AW321SE1525F1+50E		17	<0.2	31	6	47	18	<5	1
S1 91AW321SE1550F0+00W		11	<0.2	31	3	64	<5	<5	<1
S1 91AW321SE1550F0+25W		11	<0.2	31	7	67	<5	<5	2
S1 91AW321SE1550F0+50W		12	<0.2	26	9	42	26	<5	<1
S1 91AW321SE1550F0+75W		18	<0.2	39	11	83	27	<5	2
S1 91AW321SE1550F1+00W		13	<0.2	20	10	36	<5	<5	<1
1 91AW321SE1550F1+25W		22	<0.2	28	8	68	11	<5	3
S1 91AW321SE1550F1+50W		26	<0.2	50	10	83	46	<5	3
S1 91AW321SE1550F1+75W		113	<0.2	26	10	51	40	<5	1
S1 91AW321SE1550F2+00W		38	<0.2	19	5	39	<5	<5	<1
S1 91AW321SE1550F2+25W		29	<0.2	27	10	37	27	<5	1
S1 91AW321SE1550F2+50W		13	<0.2	23	4	56	<5	<5	1
S1 91AW321SE1550F2+75W		30	<0.2	18	4	49	10	<5	<1
S1 91AW321SE1550F3+00W		26	<0.2	26	9	55	<5	<5	<1
S1 91AW321SE1550F3+25W		17	0.9	13	19	38	25	7	5
S1 91AW321SE1550F3+50W		<5	<0.2	50	10	72	<5	<5	2
S1 91AW321SE1550F3+75W		14	<0.2	15	11	41	32	7	3
S1 91AW321SE1550F4+00W		14	<0.2	29	<2	42	<5	<5	<1
S1 91AW321SE1550F4+25W		18	<0.2	55	6	47	<5	<5	1
S1 91AW321SE1550F4+50W		31	<0.2	59	4	67	<5	<5	<1
S1 91AW321SE1550F4+75W		8	1.2	49	12	77	18	<5	2
S1 91AW321SE1550F5+00W		13	<0.2	16	7	41	11	<5	1
S1 91AW321SE1550F5+25W		18	<0.2	17	5	21	<5	<5	<1
S1 91AW321SE1550F5+50W		10	<0.2	15	10	31	14	<5	3
S1 91AW321SE1980F0+00E		9	<0.2	37	9	48	6	<5	3
S1 91AW321SE1980F0+25E		7	<0.2	42	7	46	<5	<5	3
S1 91AW321SE1980F0+50E		60	<0.2	62	8	54	11	<5	4
91AW321SE1980F0+75E		<5	<0.2	24	<2	60	<5	<5	<1
S1 91AW321SE1550F1+50E		19	<0.2	36	9	41	<5	<5	2
S1 91AW321SE2025F0+00E		12	<0.2	25	7	39	<5	<5	1
S1 91AW321SE2025F0+25E		8	0.2	30	9	47	8	<5	2
S1 91AW321SE2025F0+50E		10	<0.2	42	8	43	<5	<5	3

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SAMPLE NUMBER	ELEMENT UNITS	Au_30g PPB	Ag PPM	Cu PPM	Pb PPM	Zn PPM	As PPM	Sb PPM	Mo PPM
S1 91AW321SE2025F0+75E		18	<0.2	26	9	37	<5	<5	3
S1 91AW321SE2025F1+00E		7	<0.2	38	14	53	9	<5	3
S1 91AW321SE2025F1+25E		10	<0.2	33	9	68	7	<5	3
S1 91AW321SE2025F1+50E		8	<0.2	28	9	44	<5	<5	3
S1 91AW321SE2025F2+00E		61	<0.2	44	10	58	<5	<5	2
S1 91AW321SE2025F2+25E		7	<0.2	16	13	44	<5	<5	3
S1 91AW321SE2025F2+50E		6	<0.2	33	9	52	<5	<5	2
S1 91AW321SE2025F3+00E		10	0.3	62	11	98	13	<5	5
S1 91AW321SE2025F3+50E		11	<0.2	36	4	44	<5	<5	3
S1 91AW321SS3500F0+00W		<5	<0.2	16	19	60	<5	<5	8
S1 91AW321SS3500F0+25W		60	<0.2	130	17	96	42	<5	1
S1 91AW321SS3500F0+50W		6	<0.2	65	6	51	8	<5	<1
S1 91AW321SS3550F0+00W		<5	<0.2	28	13	69	11	<5	5
S1 91AW321SS3550F0+50W		16	<0.2	142	34	128	15	<5	1
1 91AW321SS3550F0+75W		23	<0.2	535	12	84	34	<5	2
S1 91AW321SS3600F0+00W		14	<0.2	30	10	46	12	<5	2
S1 91AW321SS3600F0+25W		<5	<0.2	12	14	98	7	<5	6
S1 91AW321SS3600F0+50W		18	<0.2	29	10	52	7	<5	2
S1 91AW321SS4050F0+00W		<5	<0.2	21	15	76	<5	<5	7
S1 91AW321SS4050F0+25W		22	<0.2	96	16	94	27	<5	2
S1 91AW321SS4050F0+50W		<5	<0.2	32	6	42	<5	<5	1
S1 91AW321SS4050F0+75W		8	<0.2	49	12	83	8	<5	4
S1 91KW321SW1000F4+00E		6	<0.2	55	29	57	<5	<5	4
S1 91KW321SW1050F0+00E		<5	<0.2	66	16	62	<5	<5	3
S1 91KW321SW1050F0+25E		6	<0.2	121	38	206	31	<5	6
S1 91KW321SW1050F0+50E		<5	0.5	80	37	96	6	<5	5
S1 91KW321SW1050F0+75E		<5	<0.2	45	10	82	<5	<5	3
S1 91KW321SW1050F1+00E		<5	<0.2	81	18	93	<5	<5	4
S1 91KW321SW1050F3+25E		13	<0.2	101	14	265	16	<5	4
S1 91KW321SW1050F3+50E		9	2.4	133	26	386	15	<5	3
S1 91KW321SW1050F3+75E		6	0.6	43	20	170	7	<5	4
S1 91KW321SW1050F4+00E		12	1.3	41	21	42	7	<5	8
S1 91KW321SW1050F4+25E		7	1.4	106	80	144	<5	<5	4
S1 91KW321SS3720F0+00N		<5	<0.2	21	13	47	<5	<5	6
S1 91KW321SS3720F0+25N		6	<0.2	28	10	47	<5	<5	3
1 91KW321SS3720F0+50N		22	<0.2	65	17	71	30	<5	2
S1 91KW321SS3720F0+75N		22	<0.2	33	11	43	19	<5	2
S1 91KW321SS4010F0+00N		<5	<0.2	29	8	74	<5	<5	1
S1 91KW321SS4010F0+25N		7	<0.2	89	5	77	<5	<5	<1
S1 91KW321SS4010F0+50N		<5	<0.2	108	7	76	<5	<5	<1

Bondar-Clegg & Company Ltd.
130 Pemberton Ave.
North Vancouver, B.C.
V7P 2R5
(604) 985-0681 Telex 04-352667

BONDAR-CLEGG

A DIVISION OF INCHCAPE INSPECTION & TESTING SERVICES

Geochemical Lab Report

REPORT: V91-01106.0 (COMPLETE)

DATE PRINTED: 19-AUG-91
PROJECT: 321 PAGE 4

SAMPLE NUMBER	ELEMENT UNITS	Au_30g PPB	Ag PPM	Cu PPM	Pb PPM	Zn PPM	As PPM	Sb PPM	Mo PPM
S1 91KW321SS4010FO+75N		<5	<0.2	93	15	80	10	<5	<1
S1 91KW321SS4010F1+00N		<5	<0.2	63	11	79	<5	<5	2
S1 91KW321SS4160FO+00N		31	<0.2	72	16	81	27	<5	2
S1 91KW321SS4160FO+25N		18	<0.2	54	15	75	14	<5	2
S1 91KW321SS4160FO+50N		12	0.5	35	14	81	19	<5	5
S1 91KW321SS4160FO+75N		19	<0.2	114	16	99	33	<5	1
S1 91KW321SS4160F1+00N		10	<0.2	41	11	47	12	<5	2
S1 91KW321SS4160F1+25N		19	<0.2	47	13	65	18	<5	1
S1 91KW321SS4160F1+50N		9	<0.2	42	12	62	7	<5	2
T1 91AW321LWL007		87	<0.2	98	7	71	<5	<5	<1
T1 91AW321LE1025FL007		16	<0.2	58	6	86	9	<5	3
T1 91AW321LE1050FL006		466	<0.2	64	5	99	21	<5	2
T1 91AW321LE1525FL005		18	<0.2	104	7	90	21	<5	2
T1 91AW321LE1550FL001		36	<0.2	72	9	131	37	<5	1
T1 91AW321LE1980FL002		<5	<0.2	67	9	113	26	<5	2
T1 91AW321LE2025FL004		<5	<0.2	71	8	117	11	<5	2
T1 91AW321LE2025FL003		8	<0.2	54	6	111	16	<5	1
T1 91BW321L1500FLE001		30	<0.2	68	7	176	29	<5	2
T1 91BW321L1525FLE002		25	<0.2	70	9	138	33	<5	1
T1 91BW321L1600FLE003		34	<0.2	73	9	121	41	<5	1
T1 91BW321L1700FLE004		416	<0.2	67	11	96	30	<5	1

APPENDIX VI

Rock Geochemical Lab Reports

Bondar-Clegg & Company Ltd.
130 Pemberton Ave.
North Vancouver, B.C.
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BONDAR-CLEGG

A DIVISION OF INCHCAPE INSPECTION & TESTING SERVICES

Geochemical Lab Report

DATE PRINTED: 15-AUG-91

REPORT: V91-01105.0 (COMPLETE)

PROJECT: 321 PAGE 1

SAMPLE NUMBER	ELEMENT UNITS	Au_30g PPB	Ag PPM	Cu PPM	Pb PPM	Zn PPM	As PPM	Sb PPM	Mo PPM
91 BM 321 R 3807		328	<0.2	1	4	18	<5	<5	<1
91 BM 321 R 3808		383	<0.2	53	2	13	20	<5	<1
91 BM 321 R 3809		24	<0.2	3	3	22	<5	<5	<1
91 BM 321 R 3810		139	<0.2	13	<2	21	7	<5	<1
91 BM 321 R 3817		<5	<0.2	57	4	32	<5	<5	<1
91 BM 321 R 3818		<5	<0.2	92	3	30	<5	<5	<1
91 BM 321 R 3819		6	<0.2	190	3	43	<5	<5	<1
91 BM 321 R 3820		154	<0.2	6	<2	41	5	<5	<1
91 BM 321 R 3821		<5	<0.2	77	<2	31	6	<5	<1
91 BM 321 R 3822		<5	<0.2	96	<2	79	8	<5	<1
91 BM 321 R 3823		6	<0.2	116	2	41	<5	<5	<1
91 BM 321 R 3824		69	<0.2	5	<2	38	<5	<5	<1
91 BM 321 R 3825		<5	<0.2	12	<2	8	<5	<5	<1
91 BM 321 R 3826		<5	<0.2	7	2	21	<5	<5	<1
91 BM 321 R 3827		10	<0.2	82	<2	20	10	<5	2
91 BM 321 R 3828		<5	<0.2	92	4	75	13	<5	1
91 BM 321 R 3829		<5	0.3	111	10	41	<5	<5	<1
91 BM 321 R 3830		<5	<0.2	65	3	71	<5	<5	<1
91 BM 321 R 3831		440	11.2	306	35	862	108	<5	2
91 BM 321 R 3832		<5	<0.2	60	<2	29	14	<5	<1
91 BM 321 R 3833		<5	<0.2	73	4	32	7	<5	<1
91 BM 321 R 3834		11	<0.2	41	9	24	<5	<5	3
91 BM 321 R 3835		<5	<0.2	38	<2	30	<5	<5	<1
91 BM 321 R 3836		<5	<0.2	62	4	82	<5	<5	<1
91 SH 321 R 001		<5	<0.2	45	7	37	30	<5	16
91 SH 321 R 002		<5	<0.2	152	8	64	<5	<5	1
91 SH 321 R 003		7	<0.2	68	10	51	<5	<5	<1
91 SH 321 R 004		<5	<0.2	144	4	98	<5	<5	<1
91 SH 321 R 005		<5	<0.2	23	<2	2	<5	<5	<1
91 SH 321 R 006		<5	<0.2	2	<2	<1	<5	<5	2

APPENDIX VII

Rock, Soil, Stream Silt and Rock Data Sheets

KEEWATIN ENGINEERING INC.

SOIL SAMPLES

Project: Homer 321 — Results Plotted By: _____

Area (Grid): W — Map: Hawk River N.T.S.: 104 6/7

Collectors: Kevin Webb — Date August 1st, 1991

Sample Number	Sample Location: Line	Sample Location: Station	Notes	Topography: Valley Bottom	Topography: Direction of slope	Topography: Hill Top	Topography: Level Ground	Vegetation: Heavily Wooded	Vegetation: Sparsely Wooded	Vegetation: Burnt	Vegetation: Logged	Vegetation: Grassland	Vegetation: Swampy	Soil Data: Horizon Sampled	Soil Data: Depth to Horizon Sample	Soil Data: Horizon Development: Good	Soil Data: Horizon Development: Poor	Soil Data: Parent Material: Drift	Soil Data: Parent Material: Bedrock	Soil Data: Colour
111W321S-W	1050E	Contour	Off Set from station 90AWS024																	
		0+00E	Thick A horizon, lots of vegetation		NW			X						A-B	35cm		X			MRB
		0+25E	20% fragments, Sandy texture		NW			X						B	50cm		X			MB
		0+50E	20% angular fragments		NW			X						A-B	50cm		X			MB
		0+75E	20% angular fragments		NW			X						B	25cm		X			LRB
		1+00E	10% angular fragments		NW			X						A-B	45cm		X			MB
		3+25E	Off sets from station 90AWS019		N				X					B	30cm	X				DRB
			90AWS017. 25% angular fragments																	
		3+50E	" "		N				X					B	40cm	X				DRB
		3+75E	2m from Outcrop		N				X					B	40cm	X				LRB
		4+00E	3m from Outcrop		N				X					A-B	45cm		X			LB
		4+25E	2m from Outcrop		N				X					B	35cm		X			DRB
	1000E	4+00E	Fill in for station 90AWS018		N				X					B	25cm	X				DRB

KEEWATIN ENGINEERING INC.

SOIL SAMPLES

Project: 321 Homer

Area (Grid): E

Collectors: Aaron Lindwell

Results Plotted By:

Map: Unuk River N.T.S.: 104 B/7

Date August 1, 1991

Sample Number	Sample Location: Line	Sample Location: Station	Notes	Topography: Valley Bottom	Topography: Direction of slope	Topography: Hill Top	Topography: Level Ground	Vegetation: Heavily Wooded	Vegetation: Sparsely Wooded	Vegetation: Burnt	Vegetation: Logged	Vegetation: Grassland	Vegetation: Swampy	Soil Data: Horizon Sampled	Soil Data: Depth to Horizon Sample cm	Soil Data: Horizon Development: Good	Soil Data: Horizon Development: Poor	Soil Data: Parent Material: Drift	Soil Data: Parent Material: Bedrock	Soil Data: Colour
91AW321S-E		1030E	Contour (25m above 90FW321 S019 (30°))																	
		0+00E	30° slope outcrop 5m above		NW				✓					A-B	30		✓			LRB
		0+25E	40 slope		NW				✓					B	30	✓				LRB
		0+50E	35 slope		NW				✓					B	30		✓		B ✓	MRB
		0+75E	30 slope		N				✓					B	45	✓				DRB
		1+00E	20° Slope		N				✓					B	40	✓				DRB
91AW321S-E		1000E	Contour (25m west of 90FW321S017)																	
		S002	20° slope		N				✓					B	35	✓				DRB

KEEWATIN ENGINEERING INC.

SOIL SAMPLES

Project: 321 Homer

Area (Grid): S

Collectors: Kevin Webb

Results Plotted By:

Map: Unuk River N.T.S.: 104 B/7

Date July 31st 1991

Sample Number	Sample Location: Line	Sample Location: Station	Notes	Topography: Valley Bottom	Topography: Direction of slope	Topography: Hill Top	Topography: Level Ground	Vegetation: Heavily Wooded	Vegetation: Sparsely Wooded	Vegetation: Burnt	Vegetation: Logged	Vegetation: Grassland	Vegetation: Swampy	Soil Data: Horizon Sampled	Soil Data: Depth to Horizon Sample	Soil Data: Horizon Development: Good	Soil Data: Horizon Development: Poor	Soil Data: Parent Material: Drift	Soil Data: Parent Material: Bedrock	Soil Data: Colour
HKw321S-S	3720 F	Contour						Alpine												
		0+00 N	Collected on top of a Knoll.					"						B	40cm	X				MRB
			Silty texture																	
		0+25 N	Collected on top of a Knoll.					"						B	35cm	X				MB
			Silty texture Medium size																	
			sem.-angular and angular																	
			fragments in the A horizon																	
		0+50 N	Collected on top of a Knoll.					"						B	35cm	X				MRB
			Sandy texture with medium																	
			size angular fragments in																	
			the B horizon																	
		0+75 N	Collected on top of a Knoll					"						B	45cm	X				MRB
			Silty texture																	

KEEWATIN ENGINEERING INC.

SOIL SAMPLES

Project: 321 Homer
Area (Grid): W
Collectors: Aaron Wardwell

Results Plotted By:
Map: Unuk River N.T.S.: 104 B/7
Date July 31, 1991

Sample Number	Sample Location: Line	Sample Location: Station	Notes	Topography: Valley Bottom	Topography: Direction of slope	Topography: Hill Top	Topography: Level Ground	Vegetation: Heavily Wooded	Vegetation: Sparsely Wooded	Vegetation: Burnt	Vegetation: Logged	Vegetation: Grassland	Vegetation: Swampy	Soil Data: Horizon Sampled	Soil Data: Depth to Horizon Sample (cm)	Soil Data: Horizon Development: Good	Soil Data: Horizon Development: Poor	Soil Data: Parent Material: Drift	Soil Data: Parent Material: Bedrock	Soil Data: Colour
91AW321	S-W	1050F	Contour (25m W and 25m S of 90JJ321 S043 (150'))																	
		0+00W	20° slope		NW				✓					B	45	✓				LRB
		0+25W	30° slope, small sub-angular fragments		NW				✓					A-B	30		✓			MB
		0+50W	35° slope, outcrop 4m, boot sample, S		NW				✓					A-B	40		✓			LRB
		0+75W	35° slope		NW				✓					B	50	✓				LRB
		1+00W	40° slope, small angular frags, outcrop 7m S		NW				✓					B	30		✓			LRB
			(25m south of (140') of 90JJ321 S043																	
91AW325	S-W	1000F	Contour (25m E (20') of 90JJS043)																	
		S001	20° slope		NW				✓					A-B	45		✓			MRB

KEEWATIN ENGINEERING INC.

SOIL SAMPLES

Project: 321 Homer
Area (Grid): S
Collectors: Aaron Wardwell

Results Plotted By:
Map: Quirk River N.T.S.: 104 B/7
Date July 30, 1991

Sample Number	Sample Location: Line	Sample Location: Station	Notes	Topography: Valley Bottom	Topography: Direction of slope	Topography: Hill Top	Topography: Level Ground	Vegetation: Heavily Wooded	Vegetation: Sparsely Wooded	Vegetation: Burnt	Vegetation: Logged	Vegetation: Grassland	Vegetation: Swampy	Soil Data: Horizon Sampled	Soil Data: Depth to Horizon Sample (cm)	Soil Data: Horizon: Good	Soil Data: Horizon: Poor	Soil Data: Development	Soil Data: Parent Material: Drift	Soil Data: Parent Material: Bedrock	Soil Data: Colour
91AW321S-S	405OF	Contour	(ALPINE) Slope					A-F	NF												
		0+00W	Clayish Soil 2°		NE			"						B	35	✓				✓	LBR
		0+25W	Sandy Soil 18°		NE			"						A-B	35		✓			✓	MB
		0+50W	7°		N			"						A-B	20		✓			✓	MB
		0+75W	Sandy Soil 12°		N			"						A-B	20		✓			✓	MB
91AW321S-S	355OF	Contour																			
		0+00W	Bottom of lge outcrop 20°		W			"						B	20		✓			✓	MRB
		0+25W	No Sample - outcrop bottom, lge snowfield					"													
		0+50W	20°		N			"						Talus	20	✓				✓	Pink Grey Grey
		0+75W	30°		NW			"						Talus	25	✓				✓	Pink Grey Grey
91AW321S-S	350OF	Contour																			
		0+00W	5°		SW			"						B	35	✓					MRB
		0+25W	Re-Sample of 90AW321 S057 1° Sandy		N			"						B	30		✓				MB
		0+50W	Sandy 10°		NW			"						B	20	✓				✓	MRB
91AW321S-S	345OF	Contour																			
		0+00W	15°		NW			"						A-B			✓			✓	BB
		0+25W	30°		NE			"						B		✓					MRB
		0+50W	35°		NW			"						A		✓				✓	BIK

KEEWATIN ENGINEERING INC.

SOIL SAMPLES

Project: 321 Homer
Area (Grid): S
Collectors: Kevin Webb

Results Plotted By: _____
Map: Nuuk River N.T.S.: 104 B/7
Date July 30, 1991

Sample Number	Sample Location: Line	Sample Location: Station	Notes	Topography: Valley Bottom	Topography: Direction of slope	Topography: Hill Top	Topography: Level Ground	Vegetation: Heavily Wooded	Vegetation: Sparsely Wooded	Vegetation: Burnt	Vegetation: Logged	Vegetation: Grassland	Vegetation: Swampy	Soil Data: Horizon Sampled	Soil Data: Depth to Horizon Sample	Soil Data: Horizon Development: Good	Soil Data: Horizon Development: Poor	Soil Data: Parent Material: Drift	Soil Data: Parent Material: Bedrock	Soil Data: Colour
91KW3215S	4160F	Contour						Alpine												
		0+00N	1m from Outcrop		E			"						B	20cm	X				MB
		0+25N	5m from Outcrop		E			"						A-B	20cm	X				MB
		0+50N	3m from Outcrop		E			"						B	35cm	X				LBB
		0+75N	1m from Outcrop		E			"						B	15cm	X				MG
		1+00N	1m from Outcrop		E			"						B	40cm	X				MB
		1+25N	Base of Outcrop		E			"						A-B			X			ME
		1+50N	5m from Outcrop		E			"						B	35cm		X			MB
91KW3215S	4010F	0+00N	Talus fines at base of cliff		SE			Alpine						A	20cm		X			MB
		0+25N	Talus fines at base of cliff		SE			"						A-B	15cm		X			MB
		0+50N	" "		SE			"						A-B			-			MB
			Collected from the surface of outcrop																	
		0+75N	Talus fines at base of cliff		SE			"						A-B	5cm		X			MBB
		1+00N	" "		SE			"						A-B	10cm	X				MB

KEEWATIN ENGINEERING INC.

SOIL SAMPLES

Project: 321 Homer
Area (Grid): E
Collectors: Aaron Wardwell

Results Plotted By:
Map: Unuk River N.T.S.: 104 B/7
Date July 29, 1991

Sample Number	Sample Location: Line	Sample Location: Station	Notes	Topography: Valley Bottom	Topography: Direction of slope	Topography: Hill Top	Topography: Level Ground	Vegetation: Heavily Wooded	Vegetation: Sparsely Wooded	Vegetation: Burnt	Vegetation: Logged	Vegetation: Grassland	Vegetation: Swampy	Soil Data: Horizon Sampled	Soil Data: Depth to Horizon Sample cm	Soil Data: Horizon Development: Good	Soil Data: Horizon Development: Poor	Soil Data: Parent Material: Drift	Soil Data: Parent Material: Bedrock	Soil Data: Colour
91AW321S	E 1050	F Contour																		
		0+00W			NW				✓					A-B	50		✓		✓	DB
		0+25W			W				✓					B	25	✓				LRB
		0+50W			NW				✓					B	30	✓				MRB
		0+75W			NW				✓					B	25	✓				MRB
		1+00W	Swampy, Thick blk. A-Horizon		NW				✓				✓	A-B	65		✓			Blk-MRB
		1+25W	" " " " " 1m W. of spring		NW				✓				✓	A	45	✓			✓	BlK
		1+50W	10m E of 6m. wide crk (180°)		NW				✓					B	35	✓				DAB
		1+75W	Swampy, slight B-Horizon content, Thick blk A		N				✓				✓	A	55	✓				BlK
		2+00W	Slightly Swampy, Thick blk A-Horizon		N				✓				✓	A-B	40		✓			Blk-MRB
		2+25W	6m. E of 5m. wide crk		N				✓					A-B	40		✓			MRB
		2+50W	Small gully		SE				✓					B	35	✓			✓	LRB
		2+75W			NW				✓					B	30	✓				MRB
		3+00W			NW				✓					B	45	✓				DRB
		3+25W			NW				✓					A-B	50		✓		✓	Blk-MRB
		3+50W	Clayish, thick blk A-Horizon		N				✓					A-B	50		✓			Blk-MRB
		3+75W	" " " " "		N				✓					A-B	40		✓			Blk-DRB
91AW321S	E 1025	F Contour																		
		0+00W			N				✓					A-B	40		✓			DB
		0+25W	round fragments - old creek passage		N				✓					A	35	✓				MRB-LRB
		0+50W			N									B	30	✓				MRB
		0+75W	Crk 8m. to West (180°)		N				✓					A-B	30		✓			MRB
		1+00W			S				✓					B	35					LRB
		1+25W	outcrop 3m above station - Thick Humus		N				✓				NO SAMPLE							MRB
		1+50W			NW				✓					B	30	✓				MRB
		1+75W			NW				✓					A-B	40		✓			DB
		2+00W			NW				✓					A-B	40		✓			MRB

KEEWATIN ENGINEERING INC.

SOIL SAMPLES

Project: 321 Homer
Area (Grid): E
Collectors: Aaron Wardwell

Results Plotted By:
Map: Snuk River N.T.S.: 104 B/7
Date July 29, 1991

Sample Number	Sample Location: Line	Sample Location: Station	Notes	Topography: Valley Bottom	Topography: Direction of slope	Topography: Hill Top	Topography: Level Ground	Vegetation: Heavily Wooded	Vegetation: Sparsely Wooded	Vegetation: Burnt	Vegetation: Logged	Vegetation: Grassland	Vegetation: Swampy	Soil Data: Horizon Sampled	Soil Data: Depth to Horizon Sample (cm)	Soil Data: Horizon Development: Good	Soil Data: Horizon Development: Poor	Soil Data: Parent Material: Drift	Soil Data: Parent Material: Bedrock	Soil Data: Colour
91AW321S-E		1525 F Contour																		
		0+00E	outcrop 3m southwest of station		35°	N			✓					B	40	✓				MB
		0+25E	outcrop 30m South.		30°	NW		✓						B	30	✓				MCB
		0+50E			5°	N			✓					A	45	✓			✓	DB
		0+75E			30°	N		✓						B	45	✓				DCB
		1+00E	Outcrop 3m above line, Humous at 50% Fragis		40°	W			✓	NO SAMPLE										
		1+25E			35°	NW			✓					A-B	45		✓		✓	DB
		1+50E	taken 2m West of station on W. bank of 3m crk		25°	N			✓					A-B	40		✓			DB
			- small crk at 1+49W																	
			END OF LINE																	
		0+00W			30°	N			✓					B	50	✓				DB
		0+25W			20°	N		✓						B	50	✓				LB
		0+50W	Dry crk 1m wide at 0+46W (140°) East edge of slide under patch		30°	N		✓						B	25	✓				DRB
		0+75W	Taken on E bank of 1m wide dry crk bed.		20°	N		✓						A-B	50		✓			DB
		1+00W	END OF LINE		25°	N		✓						B	50	✓				LRB
91AW321S-E		1500F Contour																		
		0+00	146°, Taken approx where 90JJ321 S02F would have been taken, clayish silt		30°	N		✓						A-B	40		✓			MB
91AW321S-E		1000F Contour																		
		S 04P	20° slope		N				✓					B	30		✓			LRB

KEEWATIN ENGINEERING INC.

SOIL SAMPLES

Project: 321 Homer
Area (Grid): E
Collectors: Aaron Wardwell

Results Plotted By:
Map: Unuk River N.T.S.: 104 B/7
Date July 27/91

Sample Number	Sample Location: Line	Sample Location: Station	Notes	Topography: Valley Bottom	Topography: Direction of slope	Topography: Hill Top	Topography: Level Ground	Vegetation: Heavily Wooded	Vegetation: Sparsely Wooded	Vegetation: Burnt	Vegetation: Logged	Vegetation: Grassland	Vegetation: Swampy	Soil Data: Horizon Sampled	Soil Data: Depth to Horizon Sample (cm)	Soil Data: Horizon Development: Good	Soil Data: Horizon Development: Poor	Soil Data: Parent Material: Drift	Soil Data: Parent Material: Bedrock	Soil Data: Colour
91AW321S-E	1980F	Contour			N				✓					B	30	✓				LRB
		0+00E			NE			✓						B	30	✓				MRB
		0+25E			NW			✓						A-B	45		✓			MRB
		0+50E			NW			✓						B	35		✓			MB
		0+75E			N				✓											
		1+00E	outcrop thick humous		N				✓	NO SAMPLES										
		1+25E	outcrop+ thick humous		N				✓											
		1+50E			N				✓					B	45	✓				LRB
91AW321S-E	2025F	Contour																		
		0+00E	Bedrock ½ m. above sample site (outcrop)		NW				✓					A-B	25		✓		✓	DB
		0+25 E			N			✓						A-B	30		✓		✓	LB
		0+50E			N			✓						B	35	✓				MRB
		0+75E			W			✓						B	45	✓				MRB
		1+00E			N				✓					B	40	✓				LRB
		1+25E	sample taken on top of large outcrop		W				✓					B	35	✓			✓	LRB
		1+50E	Sample taken on top of large outcrop		N			✓						B	30	✓				LRB
		1+75E			N			✓		NO SAMPLE										
		2+00E			NW			✓						B	40	✓				MRB
		2+25E	outcrop 20m above station		N			✓						A-B	40		✓		✓	MB
		2+50E			NW				✓					B	40	✓				MB
		3+00E	Taken next to creek		NW			✓						A-B	45		✓			DB
		3+50E			N			✓						B	35	✓				LRB

KEEWATIN ENGINEERING INC.

SOIL SAMPLES

Project: 321 Homer
Area (Grid): E
Collectors: Aaron Wardwell

Results Plotted By:
Map: Unuk River N.T.S.: 104 B/7
Date July 23, 1991

Sample Number	Sample Location: Line	Sample Location: Station	Notes		Topography: Valley Bottom	Topography: Direction of slope	Topography: Hill Top	Topography: Level Ground	Vegetation: Heavily Wooded	Vegetation: Sparsely Wooded	Vegetation: Burnt	Vegetation: Logged	Vegetation: Grassland	Vegetation: Swampy	Soil Data: Horizon Sampled	Soil Data: Depth to Horizon Sample cm	Soil Data: Horizon: Development: Good	Soil Data: Horizon: Development: Poor	Soil Data: Parent Material: Drift	Soil Data: Parent Material: Bedrock	Soil Data: Colour
	1550' Contour.		414W5215-E	Slope		°															
		0+00W		2°		N				✓					B	40	✓				LRB
		0+25W		2°		N				✓					B	55	✓				LRB
		0+50W		10°		W				✓					A-B	35		✓			LRB
		0+75W	Taken on East side of dry control	20°		SW				✓					B	40	✓				MRB
		1+00W		20°		W			✓						B	40	✓				MRB
		1+25W		2°		N				✓					A-B	35		✓			DRB
		1+50W		15°		N				✓					A-C	25		✓			DRB
		1+75W		12°		N				✓					B	40		✓			DRB
		2+00W		20°		N			✓						A-B	40		✓			MRB
		2+25W		30°		N				✓					B	45	✓				MRB
		2+50W	outcrop 5m above line from 2+25W to 2+75W	25°		NW				✓					B	45	✓				LRB
		2+75W		20°		NW				✓					B	40	✓				LRB
		3+00W		12°		NW				✓					B	40	✓				MRB
		3+25W	outcrop 20m above line.	5°		SE				✓					B	35	✓				LRB
		3+50W	Thick black A-Horizon.	1°		NW				✓					A-B	50		✓			DRB
		3+75W		12°		NW				✓					B	50		✓			LRB
		4+00W	outcrop 2m above and 5m below	15°		NW				✓					A-B	45		✓			MRB
		4+25W	outcrop 15m above + West of line	12°		N			✓						A-B	50		✓			DRB
		4+50W	outcrop 7m above line.	3°		NW			✓						B	45		✓			DRB
		4+75W		10°		NW				✓					B	30	✓				LRB
		5+00W		20°		NW				✓					B	40	✓				LRB
		5+25W	outcrop 2m above station.	20°		NW				✓					B	40	✓				LRB
		5+50W		12°		W			✓						B	50	✓				MRB

KEEWATIN ENGINEERING INC.

STREAM SEDIMENTS

Project: 321 Homer

Area (Grid): E

Collectors: Dawn Wardwell

Results Plotted By: _____

Map: Chuk River N.T.S.: 104 B/7

Date: July 23/91, July 27/91, July 28+29/91, July 31/91

Sample Number	NOTES	SEDIMENT DATA					STREAM DATA					SPRING	DRY GULLY
		Gravel	Sand	Silt	Clay	Organic	Bank	Active	Width	Depth	Velocity		
	July 23 1991												
91AW321L-E	1525F Contour												
1+45W													
L001	175° Bearing	50%	20%	15%			✓	✓	1m.	15cm	Fast		
	July 27, 1991												
91AW321L-E													
L002	Moss Mat, 140° Bearing, 30° slope. (0+66E) (1525F Contour)			80%		20%	✓	✓	5m.	15cm	Fast		
L003	Moss Mat, 150° Bearing, 30° slope (0+33E) (1525F Contour)			75%		25%	✓	✓	1m	10cm	Fast		
L004	105° Bearing, 0° slope. (2+98E) (1525F Contour)		25%	50%		25%	✓	✓	1m	5-10 cm	Mod		
	July 28, 1991												
91AW321L-E	1525F Contour.												
0+88E													
L005	Moss Mat, Taken on E side			85%		15%	✓	✓	3m.	20cm	Fast		
	July 29/1991												
91AW321L-E	1050F Contour. 3+15W												
L006	Moss Mat, (1040') 170° Flow		25%	25%		50%	✓	✓	4m.	15cm	Fast		
91AW321L-E	1025F Contour 0+92W												
L007B	Moss Mat 185° Flow			50%		50%	✓	✓	4m.	10cm	Fast		
	July 31, 1991												
91AW321L-W	(approx 25m. above 90AW321 L00B)												
L007	Moss Mat 185° flow		50%	30%		20%	✓	✓	15m.	25-35cm	Fast		

KEEWATIN ENGINEERING INC.

STREAM SEDIMENTS

Project: HOMER 321 — Results Plotted By: _____

Area (Grid): East Quadrant — Map: UNUK — N.T.S.: 104B7

Collectors: B. McEntire — Date: July 23 1991

91BM321 Sample Number	NOTES	SEDIMENT DATA					STREAM DATA					SPRING	DAY GULLY
		Gravel	Sand	Silt	Clay	Organic	Bank	Active	Width	Depth	Velocity		
LE001	Homer I 1500' elev 20m downstream of 9c AWL001. Coarse angular fragments	70%	—	30%	-	-		✓	1.5m	20cm	Swift		—
LE002	on bank 30m upstream of 9c AWL001 1525'. Subangular frags	Trace	10%	30%				✓	1.5m	20cm	Swift		
LE003	1560' Homer I 60 m upstream of 9c AWL001. Subangular to subround frags at 30-40m undershoot	50%		50%	mostly	mat.		✓	1.5m	20cm	Swift		
LE004	1700' Homer I ~ 125m upstream of 9c AWL001. 100% mossmat			100%	moss mat.			✓	1m	30cm	Swift		

KEEWATIN ENGINEERING INC.

ROCK SAMPLES

Project: Homer 321

Area (Grid): East ½ - Homer 1 + 2.

Collectors: B. McEachren

Results Plotted By:

Map: KNUK NTS: 104 I 3 7

Date: July 23 27, 28, 199 Surface ✓ Underground

SAMPLE NUMBER 91BM321R	LOCATION NOTES	REP. SAMPLE NUMBER	SAMPLE TYPE (LENGTH,m) GRAB	CHIP	CHANNEL	CORE	FLOAT	ROCK TYPE	SAMPLE DESCRIPTION	MAP SHEET / CLAIM
3807	1560' elev. about 90AWL001 - east bank of stream.		✓					andesite	Coarse grain, med green to white, ghost phenos, calcareous fract: 5% Py in short, discontinuous fracs, matrix	
3808	1520' elev. 90JJS 010 4+50W 5m @ 100°		✓					2% diorite	loc. 1% brecciated with <1% Py bearing fracs, frequently in clusters, euhedral, olive brown.	
3809	1510' elev 90JJS 011 5+00W 4m @ 080°		✓					diorite	chloritic diorite >1% fine disseminated Py in chlorite alteration, replacement?	
3810	1530' elev. 90JJS 013 6+00W 20m @ 147°		✓					diorite	very dark green intense chlorite replacement, ghost phenos: 5% feldspars >2% Py in fine discontinuous fractures	
3817	1900' elev 90STS 016 Am @ 180°		✓					diabase	dark grey, medium grain, nonmagnetic matrix flow or sill. <1% sulphides observed. Minor shearing	
3818	1920' elev. 90STS 016 6m @ 310°		✓					tuff	light green, sphene rich ash tuff with fine Py specs on fractures. Interbedded with chloritic lamellar tuff	
3819	1930' elev. 16m E of 90STS 016		✓					porphyry	diorite? chloritic dark green. Porphyroblasts partially replaced by chlorite. <1% disseminated Py.	
3820	1720' elev. 75m West of anom. 90AWL001		✓					diorite	chlorite altered diorite with 1-2mm Py veinlets.	
3821	1620' elev. ~30m West of 90JJS 022		✓					tuff	light green sphene tuff <2% Py disseminated in matrix over 1m bedding. siliceous to cherty.	
3822	1540' elev. at 90JJS 025		✓					Porphyry	quartz? stubby, poorly terminated crystals in a medium to dark green	

KEEWATIN ENGINEERING INC.

ROCK SAMPLES

Project: Homer 321
Area (Grid): E: 3823 - 3826 S: 3827 - 3832
Collectors: B McEntyre

Results Plotted By:
Map: UNAK NTS: 104B7
Date: July 28 Surface — Underground

SAMPLE NUMBER 913M321R	LOCATION NOTES	REP. SAMPLE NUMBER	SAMPLE TYPE (LENGTH,m) GRAB	CHIP	CHANNEL	CORE	FLOAT	ROCK TYPE	SAMPLE DESCRIPTION	MAP SHEET / CLAIM
3823	5m S. of 90°JJS ore Wicm 1500' elev		✓					tuff	light green, aphanitic to fine lapilli tuff, siliceous, moderate foliation: <1% Py as disseminations & very fine fracture fillings	
3824	30m 180° from 90 PWJS029 1080' elev		✓					tuff	intense qtz-carbonate alteration of intermediate tuff cut by diorite dyke. Trace Py on fractures - smears	
3825	4cm @ 170° from 91 PWJ-E 1150W 1050 F 1120' elev		✓					diorite	chloritized, epidotized hornblende diorite <1% Py as 1-2mm euhedral crystals - rare concentrations. Py associated with epidote	
3826	5m 180° from 91 AWJ-E 1185W 1050F 1100' elev		✓					diorite	qtz flooded, chloritic, K-metasomatism qtz veining to 1cm with fine euhedral Py on margins and in fractures: 2% Py	
3827	5m 360° from 90CCS 050 4100' elev						✓	int. volc.	highly siliceous, laminated, grey to mauve volc: >5% Py + Sphal, interbedded in laminations, 50-60cm angular float blocks.	
3828	5m 360° from 90CCS 049 4100' elev		✓					tuff	int. to felsic ash tuff, pale green with mauve tint: 7-2% Py localized within matrix, trace CPy, 2mm qtz veinlets, limonite stnd.	
3829	60m @ 110° from 90CCS 049 4120' elev		✓					rhyolite	intense, very fine qtz vein stockwork in siliceous rhyolite dyke(?): <1% Py veinlets & accessional blebs. Fine chlorite infilling	
3830	30m @ 110° from 90CCS 051 4100' elev		✓					tuff	pale green, intermediate to felsic tuff(?) carries >5% combined Py, Po within matrix	
3831	20m 110° from 90CCS 051 4070' elev						✓	schist	qtz sericite schist 30cm rough angular float blocks 10-20% Py, Sphal matrix limonite, oxidized, pseudo bar-worn structures	
3832	50m 360° from 90CCS 064		✓	composite qtz-carb				porphyry	hydrothermal alteration of andesitic hornblende porphyry - up to 100% alteration	

KEEWATIN ENGINEERING INC.

ROCK SAMPLES

Project: Homer 321
Area (Grid): S: 3833 - 3836
Collectors: B McIntyre

Results Plotted By: _____
Map: _____ NTS: _____
Date: _____ Surface ___ Underground ___

SAMPLE NUMBER SM321R	LOCATION NOTES	REP. SAMPLE NUMBER	SAMPLE TYPE (LENGTH,m) GRAB	CHIP	CHANNEL	CORE	FLOAT	ROCK TYPE	SAMPLE DESCRIPTION	MAP SHEET / CLAIM
3833	50m @ 088° from		✓					porphyry	siliceous sericite, up to 100% hydrothermal	
	90CCS 064								alteration of andesitic hornblende porphyry	
	4020' elev								>10% fine Py matrix, continuation of zone #3832	
3834	75m @ 086° from		✓					Porphyry	as above >10% Py matrix	
	90CCS 064								>80% replacement of porphyry	
	4030' elev									
3835	50m @ 180° from		✓					Porphyry	as for 3832-3834, highly fractured,	
	90CCS065		rep. to 3836 50% over 2m width.						5-10% Py. Sooty, 50% alteration.	
	3860 elev. On S bldg								2% Py in unaltered dyke rx, Same as 3833	
3836	~150m 088° from		✓					Porphyry	as for 3832-3835. Dy coarse-euhedral,	
	90CCS054 across ravine		composite grab over						short veinlets & fracture fillings + disem.	
	4370' ridge/low ground		2m width.						fine 1-3mm hornblend. 2-5% Py.	

KEEWATIN ENGINEERING INC.

ROCK SAMPLES

Project: HOMER

Area (Grid):

Collectors: SHH

Results Plotted By:

Map: NTS: 104B/7E

Date: July 30, 1991 Surface ✓ Underground

SAMPLE NUMBER	LOCATION NOTES	REP. SAMPLE NUMBER	SAMPLE TYPE (LENGTH,m) GRAB	CHIP	CHANNEL	CORE	FLOAT	ROCK TYPE	SAMPLE DESCRIPTION	MAP SHEET /CLAIM
91SM321 R001	125m East of mid anomaly GOCCLS043 4120'		✓					ARGILLITE	· black ARGILLITE WITH 10% fine DIZ. STOCKWORK, TRpy	
91SM321 R002	" " 4120'		✓					ALT'D. ANDESITE	GOSSANOUS, E.g. lt green Andesite contact between 5% diss py	
SM321 R003	Bon Lake & 002 4120'		✓					ALT'd Andesite	· GOSSANOUS - lt green E.g andesite 1% diss py	
SM321 R004	50 m East of GONWSO6 3700'		✓					ARGILLITE	GOSSANOUS, with fractured argillite - TR py - silicified	

KEEWATIN ENGINEERING INC.

ROCK SAMPLES

Project: HOMER
Area (Grid):
Collectors: SHH

Results Plotted By:
Map: NTS: 104 B/7E
Date: July 31, 1991 Surface ✓ Underground

SAMPLE NUMBER	LOCATION NOTES	REP. SAMPLE NUMBER	SAMPLE TYPE (LENGTH,m) GRAB	CHIP	CHANNEL	CORE	FLOAT	ROCK TYPE	SAMPLE DESCRIPTION	MAP SHEET /CLAIM
SH 321 R005	30 m downstream from 90AWL008.		✓					dirty siltstone	lt grey - brown, fine grained with tr. py, malachite staining	
SH 321 R006	o/c at 90AWL008		✓					dirty mudstone	f.g. massive with orange oxidation rims. Whly. [illegible], 2% diss py	

HOMER PROPERTY

GEOLOGY

FERRET EXPLORATION COMPANY INC./
BODEGA VENTURES INC.

DATE: NOV, 1991 | NTS: 104B/7E
PROJECT: HOMER | BY: G.W.S.H.
SCALE: 1 : 5,000
Keewatin Engineering Inc. | MAP No. 1

GEOLOGICAL BRANCH
ASSESSMENT REPORT

21,976

LEGEND

INTRUSIVE ROCKS

JURASSIC

3 UNUK RIVER DIORITE SUITE
Biotite-hornblende diorite, quartz diorite, granodiorite

VOLCANIC-SEDIMENTARY ROCKS

UPPER TRIASSIC to LOWER JURASSIC

2 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

1 STUMINI GROUP
Brown, black, grey; mixed sedimentary rocks (siltstone, shale, argillite, limestone, chert), with minor mafic to intermediate volcanics and volcaniclastic rocks

SYMBOLS

- Outcrop
- Lithological contact (observed,assumed)
- Geological boundary (approximate)
- Fault
- Foliation
- Bedding
- Brecciation
- Cliff or steep gully wall
- Helipad
- 223 Minfile mineral occurrence

0 100 200 300 400 500 m

130°35'

56°25'

Pearly Lake

Pando Lake

Cebuck Creek

HOMER 4 | HOMER 1

HOMER 3 | HOMER 2

LEGEND

- ⊞ Heavy mineral sample (1989)
- ○ Soil sample
- □ Silt sample
- △ Rock sample
- ▽ Rock chip sample
- ◊ Rock float sample
- 90CCS088 Sample number

0 100 200 300 400 500 m

GEOLOGICAL BRANCH
ASSESSMENT REPORT

21,976

FERRET EXPLORATION COMPANY INC./
BODEGA VENTURES INC.

HOMER PROPERTY

SAMPLE LOCATION MAP

DATE: NOV, 1991	NTS: 104B/7E
PROJECT: HOMER	BY: G.W.S.H.
SCALE: 1 : 5,000	
Keewatin Engineering Inc.	MAP No. (2)

Pearly Lake

Cebuck Creek

HOMER 4 | HOMER 1

HOMER 3 | HOMER 2

130°35'

55°28'

LEGEND

o	Soil sample
□	Silt sample
△	Rock sample
▽	Rock chip sample
◊	Rock float sample
10/1.4/34	Au(ppb)/Ag(ppm)/As(ppm)
*25/*1.5/*50	Threshold of anomalous values used for soil and silt samples

NOTE : Values below the detection limit are plotted as one-half the detection limit.

0 100 200 300 400 500 m

FERRET EXPLORATION COMPANY INC./
BODEGA VENTURES INC.

HOMER PROPERTY

GEOCHEMISTRY (Au/Ag/As)

DATE: NOV, 1991	NTS: 104B/7E
PROJECT: HOMER	BY: G.W.,S.H.
SCALE: 1 : 5,000	
Keewatin Engineering Inc.	MAP No. (3)

Pearly Lake

130°35'

RIVER

Creek

HOMER 4 | HOMER 1

HOMER 3 | HOMER 2

56°25'

LEGEND

○	Soil sample
□	Silt sample
△	Rock sample
▽	Rock chip sample
◊	Rock float sample
95/35/175	Cu(ppm)/Pb(ppm)/Zn(ppm)
*150/*50/*250	Threshold of anomalous values used for soil and silt samples

NOTE : Values below the detection limit are plotted as one-half the detection limit.

0 100 200 300 400 500 m

GEOLOGICAL BRANCH
ASSESSMENT REPORT

21,976

FERRET EXPLORATION COMPANY INC./
BODEGA VENTURES INC.

HOMER PROPERTY

GEOCHEMISTRY (Cu/Pb/Zn)

DATE: NOV, 1991	NTS: 104B/7E
PROJECT: HOMER	BY: G.W.,S.H.
SCALE: 1 : 5,000	
Keewatin Engineering Inc.	MAP No. 4