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DIAMOND DRILLING REPORT
ON THE
ENGINEER PROPERTY

ATLIN MINING DIVISION
BRITISH COLUMBIA

FILMED

LOCATED: 59° 29'N, 134° 14'W
NTS 104M/8E

OWNER: ERICKSON GOLD MINING CORP.
500-171 WEST ESPLANADE STREET
NORTH VANCOUVER, B.C.

WORK PERFORMED: SEPT/OCT 1987

REPORT BY: HANS SMIT, B.Sc.

DATE: APRIL 4, 1988

GEOLOGICAL BRANCH
ASSESSMENT REPORT

17,253

SUMMARY

In September and October of 1987 Erickson Gold Mining Corp. drilled 1178 metres of core in eight holes on the Engineer property.

The Engineer property, located 35 Km west of Atlin, encompasses crown granted claims of the old Engineer Mine and surrounding modified grid claims. Gold mineralization on the property is hosted by lower Jurassic Labarge Group sediments and is associated with 145° to 160° striking shear zones. The silicified shear zones provide a large tonnage, low grade exploration target. Epithermal quartz veins in tension fractures related to the shear zones were the source of ore in the old mine and are a high grade, lower tonnage target.

Drilling was undertaken to test known structures at depths, and to follow up on targets from a reconnaissance geology, soil geochemistry, and geophysics program carried out on the property earlier in the year.

Numerous quartz veins were intersected, some containing enhanced gold values. Two holes targeted on a major shear zone, Shear A, intersected up to 29m of mixed quartz veins, silicified breccia and intensely silicified argillite. Gold values were low but anomalous throughout, (average 0.008oz/ton gold).

A hole targeted to intersect the Engineer vein, the main source of ore in the old mine, below the lowest mine level failed to intersect the vein.

Five holes were targeted on soil geochemical anomalies along another major shear zone, Shear B. Two holes returned assays of greater than 0.1oz/ton gold on the shear zone. Hole 87-104 had 0.5m at 0.273 oz/t, part of a 0.9m intersection averaging 0.179 oz/t and hole 87-107 had 0.3m at 0.188, part of a 4.2m intersection of mixed quartz veining and intensely silicified argillite.

Drilling did not delineate any ore around the old Engineer Mine. However the property continues to have good exploration potential. There are major structures on the property which were active over a long period of time, providing a deep seated plumbing system for mineralizing fluids. Numerous gold showings occur in the area, and much of the ground has never been explored with modern exploration techniques.

A program of geological mapping, soil geochemistry, and geophysics is recommended, focusing in the area along Shear A from the old mine area towards a quartz diorite intrusion on Engineer Mountain.

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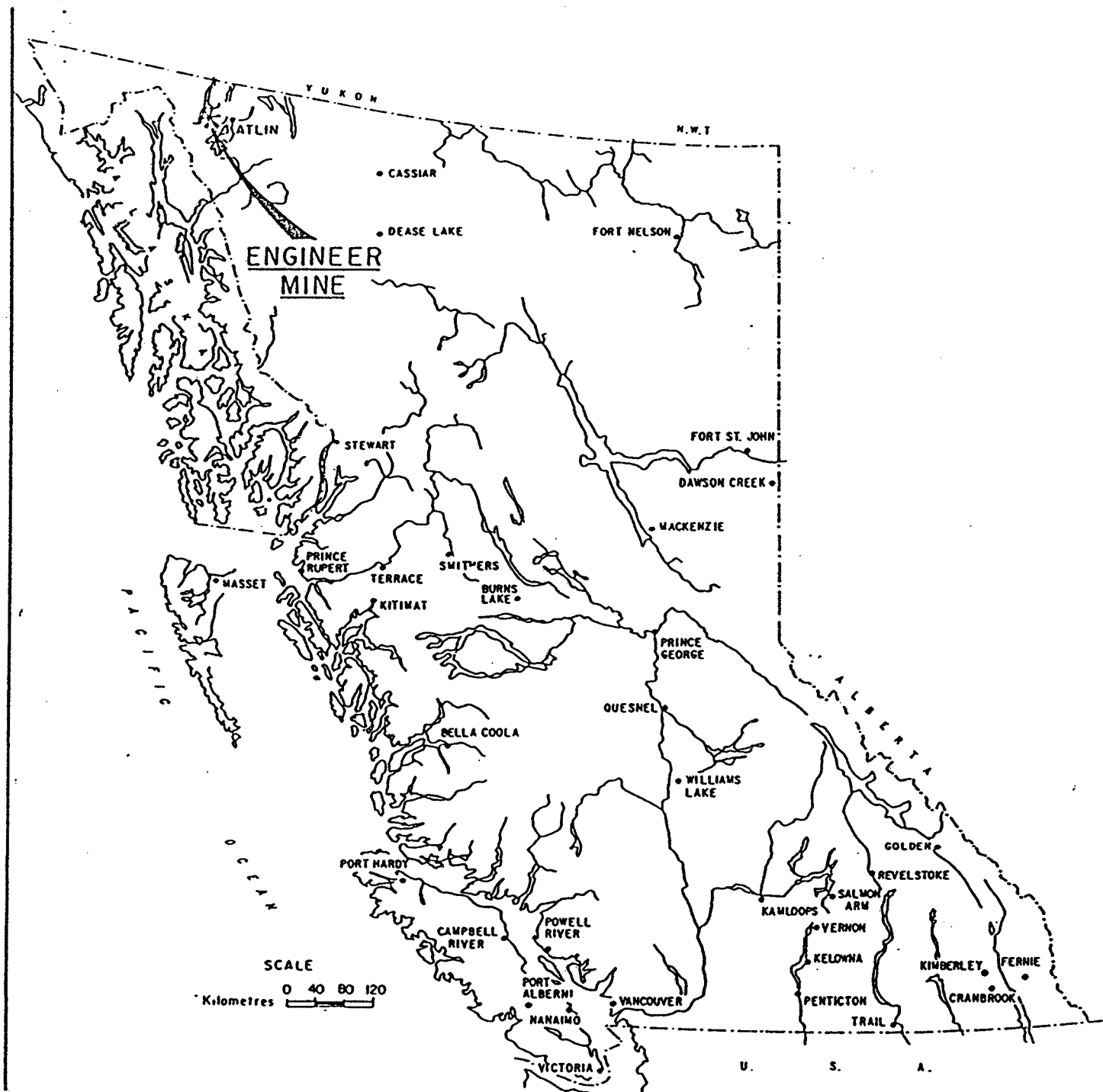


FIGURE 1
LOCATION MAP 1:8,000,000

1.0 INTRODUCTION

In September and October of 1987 Erickson Gold Mining Corp., a wholly owned subsidiary of Total Erickson Resources Ltd. of North Vancouver, British Columbia, conducted a diamond drill program on the Engineer Property. The Engineer property encompasses the workings of the old Engineer Mine on Taku arm of Tagish Lake and some of the surrounding area. Work was conducted on crown granted claims owned by Erickson Gold Mining Corporation (EGM).

Claims worked on were; Northern Partnership #1, L 918; Northern Partnership #2, L20; Northern Partnership #3, L106; and Northern Partnership #4, L209. Assessment was filed on two claim groups, the Engineer 87 and Taku 87 Groups, which contain claims owned by EGM and by prospector Keith Lumsden.

Drilling tested known structures at depth and followed up targets defined by a reconnaissance geological mapping, geochemistry, and geophysics program undertaken on the property earlier in the summer.

A total of 1778 metres of core were drilled in 8 holes. This report gives the results of this drilling program as well as background information.

2.0 LOCATION AND ACCESS

The Engineer property is located on the East shores of Taku Arm, a branch of Tagish Lake, in northeastern British Columbia. The town of Atlin is 35 Km east of the property and Carcross, Yukon Territory is 100 Km north of the property.

There is no road access to the property. Various forms of transport were used to gain access. Heavy equipment was barged from Carcross or flown in with a Bell 205 helicopter. Lighter loads were moved using float planes from Atlin and Whitehorse, and a Bell 206 helicopter and boat from Atlin.

3.0 PHYSIOGRAPHY

The Engineer property lies on the west facing slopes of Engineer, Gleaner and Bee Mountains. Elevations range from 650 metres at Lake level to 2000 metres at the peak of Engineer Mountain. In the lower portions of the property, there are a number of fairly level benches, with moderate to steep slopes between them. The upper parts of the property are steep mountainous terrain.

Below treeline vegetation cover varies from sparse pine in areas cleared or burnt during mine operation, to thick spruce and balsam fir in undisturbed areas. Swampy regions have thick strands of alder. Higher elevations have rock outcropping, felsemeer, permanent snow cover or alpine vegetation.

Rock exposure is good at higher elevations, and moderate to poor at lower elevations. Over the main mine area a number of steep slopes and old workings provide good exposure, with poor exposure in interlying flat areas.

Drainage from the property is westward into Tagish Lake, which drains into the Yukon River system.

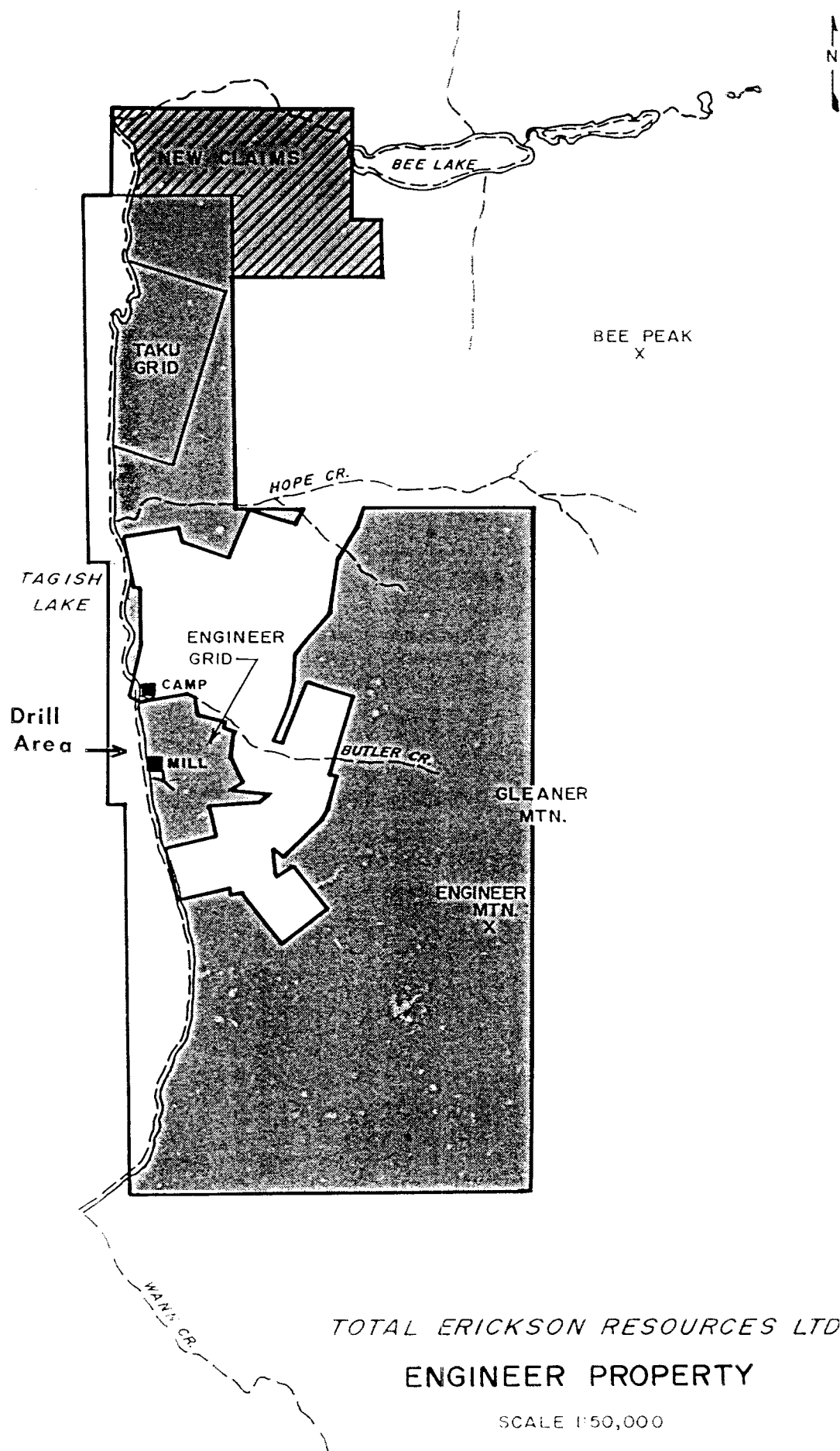


FIGURE 2.

4.0 CLAIM STATUS

CLAIM	LOT	RECORD NO	OWNER	EXPIRY
ENGINEER 87 GROUP				

NORTHERN PARTNERSHIP #1	918	C.G.	EGM	
NORTHERN PARTNERSHIP #2	20	C.G.	EGM	
NORTHERN PARTNERSHIP #3	106	C.G.	EGM	
HALE		2923	EGM	27 MAY 98
BUTLER		2924	EGM	27 MAY 98
ENGIN		2925	EGM	27 MAY 98
GLEAN		2926	EGM	27 MAY 98
BEE		2927	EGM	27 MAY 98
SWIX FR		3018	EGM	10 JUL 98
TUK FR		3019	EGM	10 JUL 98
A.M. FR		3020	EGM	10 JUL 98
JERSEY LILLY	21	19383	K. LUMSDEN	14 FEB 89
MYOSOTIS	239	19400	K. LUMSDEN	14 FEB 89
TAKU CHIEF	240	19399	K. LUMSDEN	14 FEB 89
LAKE VIEW	241	19398	K. LUMSDEN	14 FEB 89
BONANZA	915	19388	K. LUMSDEN	14 FEB 89
RUBBERNECK	916	19389	K. LUMSDEN	14 FEB 89
MICKEY	967	19397	K. LUMSDEN	14 FEB 89
DAISY	970	300	K. LUMSDEN	29 MAR 89
N.PARTNERSHIP #5	972	19401	K. LUMSDEN	14 FEB 89
BETSAY	1262	19387	K. LUMSDEN	14 FEB 89
GOLDEN HOPE	1263	299	K. LUMSDEN	29 MAR 89
SWEEPSTAKE 1	3283	302	K. LUMSDEN	4 APR 89
CHACKAWANA	3289	704	K. LUMSDEN	21 JUN 89
NEST EGG	3292	19386	K. LUMSDEN	14 FEB 89
TAKU 87 GROUP				

ENGINEER #1	19	C.G.	EGM	
NORTHERN PARTNERSHIP #4	209	C.G.	EGM	
PHILADELPHIA FR	207	2881	EGM	6 MAY 98
BUE FR		2920	EGM	27 MAY 98
TAKU		2921	EGM	27 MAY 98
FET		2922	EGM	27 MAY 98
PATTY		3021	EGM	10 JUL 98
SHAUNA		3022	EGM	10 JUL 98
PLATO	968	2791	K. LUMSDEN	6 JAN 89
SPECULATION	969	301	K. LUMSDEN	29 MAR 89
HILL FRACTION	1264	298	K. LUMSDEN	29 MAR 89
SMITH FRACTION	4658	298	K. LUMSDEN	29 MAR 89

5.0 PROPERTY HISTORY

The Engineer Mine has had a long and colorful history. The first claims in the area were staked in 1899 by men working on the construction of the White Pass and Yukon railway. The Engineer Mining Company of Skagway was formed to explore and develop the outcropping auriferous veins which lead to the original staking. In the period from 1900 to 1902 a number of surface cuts and adits were completed. A small amount of hand sorted ore was shipped and a stamp mill was brought onto the property. However there are no reports of the mill being used during this period.

Interest in the property by the original owners waned and the claims lapsed in 1906. Edwin Brown and partners of Atlin restaked the ground and sold it to the Northern Partnership syndicate of Atlin, headed by Captain James Alexander, in 1907. From 1908 to 1911 this syndicate carried out extensive surface exploration and mining and the stamp mill brought to the property earlier was set up.

In 1912 James Alexander increased his control of the property and started a major underground development. Most of this development was on the Engineer Vein. By 1918 a 210 foot shaft was sunk and four levels (from 100 to 400) developed on the vein. As well, a crosscut (Mill crosscut or 500 level) from near the lake shore was initiated which was intended to intersect the Engineer vein after 360 metres. It was undertaken to provide access and a haulage level for the Engineer Vein and other parallel structures to a millsite about 30 metres above the lake. A crosscut from close to the 100 level portal was started to intersect the Boulder and neighbouring veins, though work on this heading did not progress very far.

Production records are incomplete, but it appears that sporadic production of high grade ore was accomplished during this period. Annual production figures range from 34 to 1100 tons, with grades consistently above 2 oz/T Au. The Minister of Mines Report for 1918 reports one 24 lb 8 oz allotment of hand sorted ore contained 160 oz of gold.

In 1918 James Alexander lost his life in the sinking of the 'Princess Sophia' in Lynn Canal, along with his wife, a mining engineer, and agents for a prospective buyer of the property. The property fell into litigation concerning ownership after the loss of Alexander and was idle until 1922.

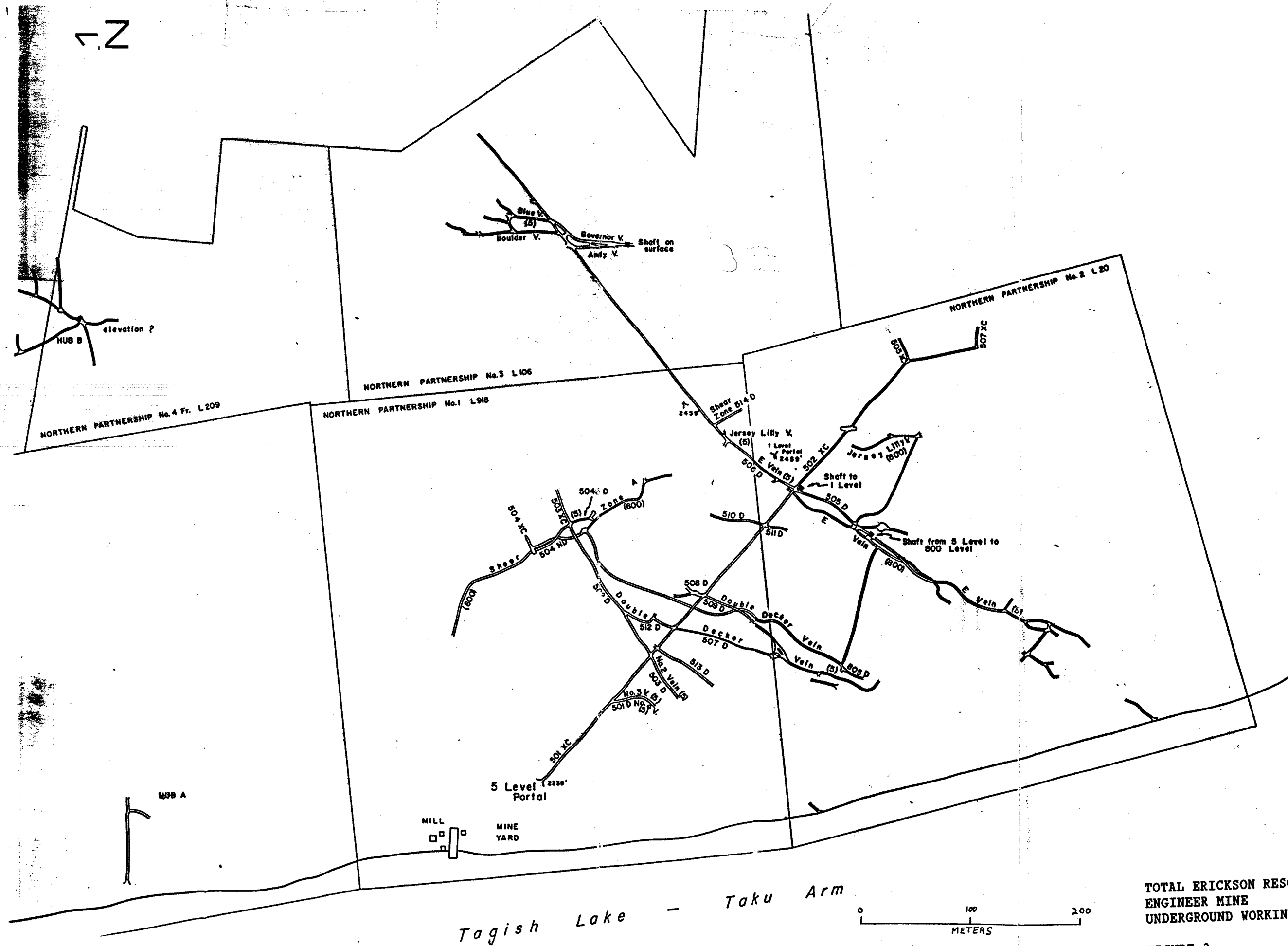
In 1922 heirs of Alexander, the Smith interests, were awarded the property. From these people New York based entrepreneurs acquired control of the property in 1923 and formed Engineer Gold Mines to develop it in 1924. Considerable work was undertaken from 1923 through 1925. New bunkhouses were constructed, a new 50 TPD mill constructed, a power dam and generating station were constructed on the Wann River south of the mine and a transission line to the camp completed, the Mill crosscut was completed, and 3 diamond drill holes were drilled to test the A and B hubs and a number of small veins by the Boulder Vein. Up to 140 men were employed at one time.

In 1925 reports from the mine were so favourable that stock of Engineer Gold Mines rose to \$100.00 on the New York exchange. Irregularities in the stock rise resulted in fraud investigation against some of the principals of the company. Reportedly more effort was put into stock manipulation by the owners than in developing minable tonnage.

Between 1925 and 1927 the majority of the mine's reported ore was produced. During this period 15,143 tons grading 0.77 oz/T Au were milled. Further development work during this time included the sinking of an internal shaft from the 500 level on the Engineer Vein and the development of the 600, 700 and 800 levels on the vein 100 feet below each other. On the 800 level a crosscut to the Double Decker vein was completed and this vein drifted upon. On the 500 level a crosscut to the veins east of the A shear, (Boulder, Andy, Blue, Shaft), was driven and some drifting on these veins done, including 180 metres on the Boulder vein. As well a shaft was sunk on the B Hub and some drifting off the shaft undertaken. Incomplete production reports indicate that some production occurred from the lower mine levels and that good grade was encountered on the 800 level. Sporadic good values were reported from the Boulder vein as well.

Mining and production became sporadic after 1927 and less than 1000 tons of ore were produced from 1928 to 1931 when the mill officially shut down. Some development continued to explore the lower grade, high tonnage targets along the A shear. Some low gold values were reported from the zone during this work.

From 1932 to 1934 Reginald Brooks did some selective hand mining on the property. In 1934 Mining Corporation of Canada bought the mine at a sherrif's sale. They never worked the property, but lessees from Atlin intermittently high graded from the Engineer and Double Decker veins above the flooded 600 level until 1952.



TOTAL ERICKSON RESOURCES LTD.
 ENGINEER MINE
 UNDERGROUND WORKINGS

FIGURE 3

No production was reported after 1952. Production records are incomplete but from 1910 to 1952 18,421 tons of ore resulting in 19,637 oz of gold were reported. (1.07 oz/T Au). During this period some 5500 metres of drifting and crosscutting were completed. Production was carried out from eight levels on the Engineer Vein, (over a vertical distance of 190 metres), from two levels on the Double Decker vein, and from a number of surface cuts.

In the early 1960's Tagish Gold Mines Ltd. acquired the five main crown grants of the old Engineer Mine. In 1975 Nu Energy Development Corporation acquired the mine through a merger with Tagish Gold Mines. Nu Energy conducted an underground program in 1975 involving detailed sampling of the A shear zone where it is crossed on the 500 level, some underground mapping, and an attempt to dewater the mine to resample levels below the 500 level. Gold assay results from percussion drill sludges and chip samples of the backs within the A shear on the 500 level were very low. Most were 0.01 oz/T Au to trace and none were higher than 0.03 oz/T. Attempts to dewater the lower levels were unsuccessful and only a brief look at the 600 and 700 levels was accomplished. Unexpectedly high water inflow rates exceeded the capacity of the pumps used.

In 1979 Nu-Lady Gold Mines Ltd. optioned the Engineer mine. In 1980 this company conducted a 15 hole diamond drilling program targeted on known vein structures accessible from the main mine. No significant intersections resulted. In 1981 a further 11 holes were drilled and a geochemical soil survey conducted over an overburden covered area in the north part of the property. Six of the holes tested northeastward extensions of the Double Decker and Engineer veins. Three holes were drilled by the Boulder Vein east of the A shear and 2 holes were drilled to test an anomaly generated by the soil geochemical survey. Only 1 hole, 81-11 testing the geochem anomaly, had a significant intersection. It had one assay of 0.76m of 0.19 oz/T Au.

In 1983 further work discovered the Nutcracker vein 45 m southeast and parallel to the Engineer vein. The vein was 0.4 m wide where discovered and a composite grab ran 3 oz/T gold. The structure was trenched but was only 1 to 5 cm wide over a 12 m strike length and the original 0.4 m appears to have only been a small pod. Six drill holes were targeted on the structure but only stringers with low gold values (highest grade 0.024 oz./ton gold) were encountered. One other hole was drilled in 1983 but no information is available about it.

Nu-Lady's option on the property lapsed in 1985. Core from their drill programs was put into new core racks during 1987 and boxes relabelled where possible. Unfortunately drill plans for the 1980 holes and all drill logs are unavailable.

Total Erickson Resources Ltd. is now the sole owner of the property through Erickson Gold Mining Corp., as Nu Energy became a part of Erickson. In February of 1987, Erickson had an airbourne VLF/Mag survey flown over the mine and surrounding country and in May staked a number of grid claims around the old crown and reverted crown grants adjoining the minesite. In June and July a surface geology, soil geochemistry, and geophysics program was conducted over the old minesite and on some of the new claims. This was followed in September by the drilling described in this report.

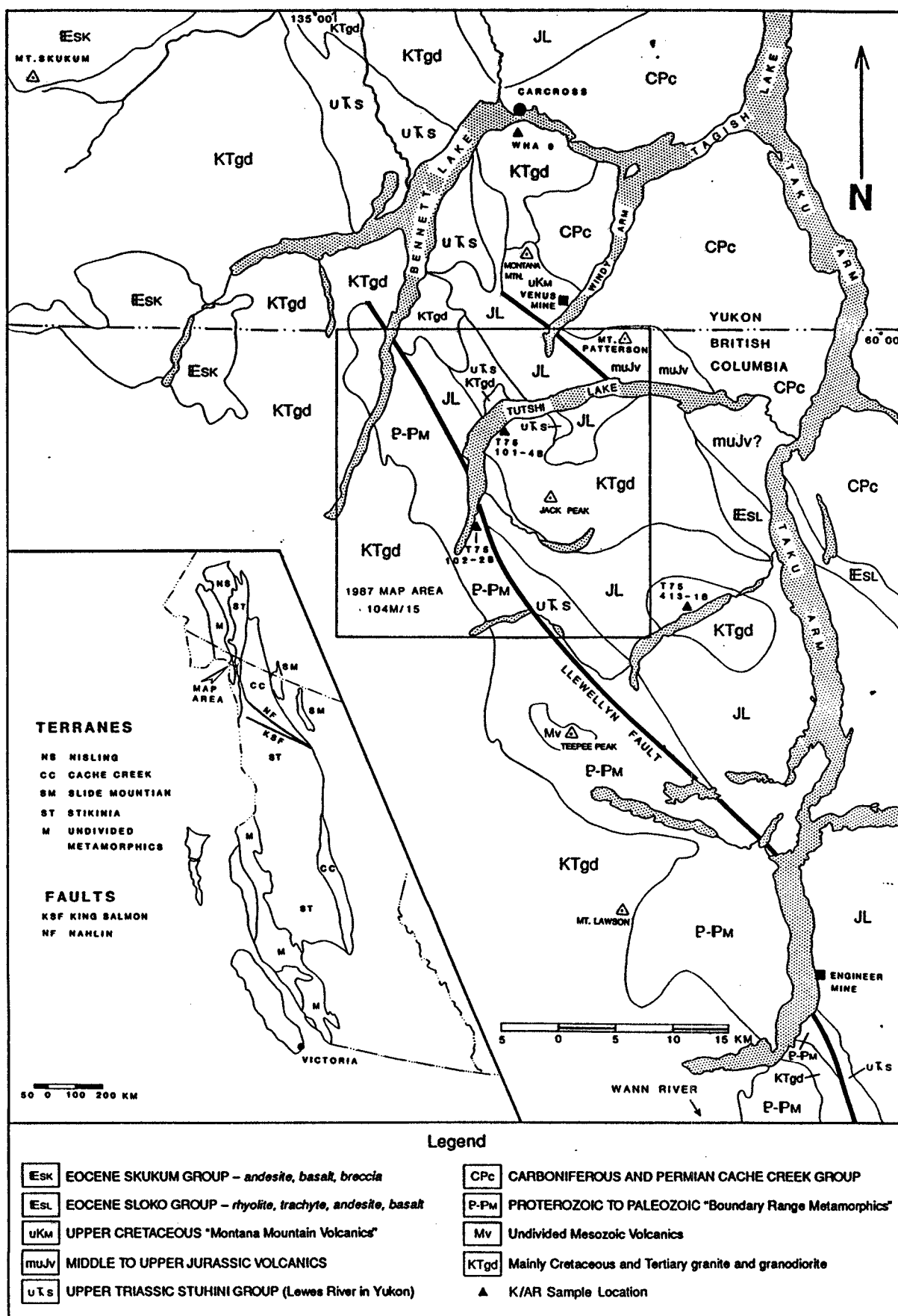


Figure 1-20-1. Regional geologic and tectonic setting of the Tutshi Lake map area (104M/15).

FIGURE 4
REGIONAL GEOLOGY FROM MIHALYNUK (1988)

FIGURE 5



Figure 26-1. Compilation of geology, structure, and mineral deposits, Bennett area.

6.0 REGIONAL GEOLOGY

The Engineer Mine is located in the intermontaine region, just east of the Coast Crystalline Belt. It is hosted by rocks within the Whitehorse Trough, a northwest-southeast fault bounded synclinorium.

The synclinorium is bounded to the northeast by upper Paleozoic rocks of oceanic affinity belonging to the Cache Creek Group (Atlin terrane), along a presumed extension of the northwest striking Nahlin fault.

To the southwest the synclinorium is bounded by the dextral transcurrent Llewellyn Fault. Immediately west of the fault are rocks grouped as Boundary Range Metamorphics (Mihalynuk, 1988). This unit is composed of variably metamorphosed clastics, sediments, and lesser basalts of pre Permian age. Pervasive foliation and structural overprinting suggests a long metamorphic history for these rocks.

The Boundary Metamorphics form the eastern boundary of the main Coast Plutonic Complex, though pluton outliers occur within and to the east of the Boundary rocks.

Rocks within the synclinorium are interpreted to be deposited within a fore arc basin (Morrison, 1981) and are considered part of Stikinia terrane (Wheeler, 1987). Basal rocks of the synclinorium are Upper Triassic mafic flows and associated volcanoclastic rocks of the Stuhini Group. Overlying the Stuhini rocks, and dominating the center of the synclinorium, are a thick sequence of sedimentary rocks belonging to the Lower Jurassic Labarge Group. Rocks within this group include siltstones, sandstones, argillites, conglomerates and minor limestone.

There are a series of volcanic rocks with limited lateral extent which locally overlie the Labarge group. These volcanic rocks are of Jurassic, Upper Cretaceous (Montana Mountain Volcanics) and Eocene (Sloko Group) age. Intrusive rocks include rocks related to the volcanic episodes as well as intrusives related to the Cretaceous Coast Plutonic Intrusions.

Structure in the area is dominated by the large northwest striking dextral faults (Llewellyn and Nahlin) and by northeast-southwest shortening of the Synclinorium. Shortening has resulted in extensive folding within the rocks, especially amongst the Labarge Group.

The major fault zones and subsidiary structures provided a deep seated plumbing system which was used by various intruding bodies. As well, mineralizing fluids were able to use these conduits and there are a host of showings in the area related to north to northwest trending shears.

Just east of the Engineer Mine, the Gleaner veins, a series of epithermal veins of similar character to the mine veins, occur. These veins were explored from the turn of the century till about 1930. Two adits, one 220 m long, the other 60 m long were driven to crosscut the veins, but no production occurred.

Approxiamately 3 km northeast of the Mine, on the Happy Sullivan property, a zone of high grade, probably epithermal, veins associated with a major north striking lineament was discovered in 1899. Two small adits were driven on this showing in the early 1900's. In 1984-85 De Baca Resources completed an 80 metre long adit on the veins.

Within Boundary Range Metamorphics discontinuous veins with abundant base metals and some gold occur on the shores of Tagish Lake south of the Wann River and directly across from Engineer. Above Bighorn Creek, 13 km northwest of Engineer, mesothermal quartz veins with gold and coarse pyrite occur within the metamorphic rocks. These veins were worked on in the early 1900's and limited production was acheived.

7.0 PROPERTY GEOLOGY

7.1 Lithology

The predominant rock type underlying the Engineer property is Lower Jurassic Labarge group. In the extreme southwest corner of the property, tuffs of possible Upper Triassic Stuhini Group outcrop. Otherwise, all other rocks on the property are younger than the Labarge rocks.

Within the property, Labarge rocks are predominately siltstone or argillite with lesser sandstone and minor conglomerate and limestone. Bedding is generally well developed though later alteration sometimes masks it. Bedding thickness is millimeter to centimeter scale in the fine grained sediments and centimeter to ocassionally meter scale in the sandstones.

The finer grained sediments are generally grey to black with occasional greenish color, while the sandstones tend to be lighter color, especially upon weathering. Ubiquitous fine to medium grained disseminated pyrite is common. Intrusive activity has resulted in varying amounts of hornfelsing of the Labarge Group within the property.

At the higher elevations of Engineer and Gleaner Mountains a distinctive volcanic unit outcrops. This unit is primarily composed of volcanic breccia or lapilli tuff. Clasts are heterogeneous, usually angular, and vary in size from millimeter scale to more commonly one to ten centimetres to occasionally greater than one metre. They vary in composition from felsic to andesitic. The unit tends to have moderate pervasive clay alteration.

No fragments of Labarge group were observed within the volcanic breccia, but a post Lower Jurassic volcanic center on Engineer Mountain is indicated by this unit.

At the upper elevations of Bee Peak a massive bedded unit overlies the Labarge argillites which has been previously mapped by Christie (1957) as Labarge Group. This unit has a somewhat tuffaceous nature however and is much less deformed than the underlying argillite. It may represent more distal rocks from the same volcanic event. Similarly, south of the volcanic breccia unit on Engineer Mountain a unit with predominately greenish, bedded cherty tuffs overlies the dark grey to black argillites. This unit may also represent rocks associated with the volcanic center on Engineer Mountain. Consequently, these two possible volcanic related rock types have been mapped out and put into one unit.

There are two main intrusive rock types. One is a quartz poor feldspar-augite porphyry. Rocks of this unit occur as a small plug on the northern end of Engineer Mountain, large dykes in the area around this plug, and as occasional dykes and sills within the Labarge Group away from the plug, including in the mine area. The ratio of feldspar to augite phenocrysts varies from almost solely feldspar to predominately augite, though feldspar usually predominates. Phenocrysts are generally between 4 to 10 millimetres long, euhedral, and occasionally show weak to moderate trachytic texture. The matrix is aphanitic to fine grained and light to dark green in color.

The feldspar augite porphyry seems to be coeval with the volcanic unit on Engineer Mountain. Clasts of similar rock are found within the volcanic breccias and the porphyry intrudes the volcanics.

The other major intrusive rock is a plug of quartz diorite on Engineer Mountain and its related dykes. Rocks of similar composition are found in rounded talus on the flanks of Gleaner Mountain above Hope Creek. Another intrusion may underlie this area. The quartz diorite is moderate to coarse grained, light grey-white-black colored, and tends to weather light brown. This intrusion is assumed to be related to the Coast Plutonic Complex.

Dykes of similar composition to the quartz diorite and aplitic and monzonitic dykes which are likely related intrude the Labarge Group rocks. In one place a granitic dyke crosscuts the feldspar-augite porphyry and volcanic units but the relationship between the intrusives is not well established. The contact between the two is not distinctive and further work is required to properly define it. The quartz diorite appears to be a later intrusion but the two may be just different textural and compositional variations of the same intrusion.

If the quartz diorite is later it would put the age of the volcanic unit at between Lower Jurassic (Labarge rocks) and Mid Cretaceous (Coast Intrusives). Mihalynuk (1988) describes similar volcanic rocks of Mid to Upper Jurassic age in the area north of Engineer.

Other intrusives on the property have been grouped as Diorite Dykes. These include a number of mostly fine grained to medium grained grey to green dykes and sills. Less than 2mm mafic phenocrysts are sometimes visible. Diorite dykes were observed crosscutting and altering other diorite dykes, indicating more than one generation of these dykes.

7.2 Structure

Structure on the property is dominated by a northwest-southeast, (145° to 160°) trend, though an east-west gentle folding is sometimes discernable. The NW-SE trend is due to compression of the Whitehorse trough, resulting in regional folding, and to shearing stress related to the Llewellyn fault and its subsidiary structures. A number of zones of strong deformation striking 145° to 160° and tens to hundreds of meters wide related to the Llewellyn fault occur on the property, with less deformed rocks between. These deformed zones contain strong folding, dextral shear zones, or a combination of the two. Motion on shears is dextral and predominately strike-slip.

Only the Labarge and Stuhini rocks are affected by most of the structural deformation. The overlying Volcanic rocks show only gentle folding, and intrusive plugs and dykes show no major signs of deformation.

In the Labarge rocks, outside the shear deformation zones bedding generally strikes north to northwest and dips moderately to steeply to the east. Within the deformation zones a moderate to strong foliation is developed, bedding is rotated into the shear direction and folding is common. Folds are open to more commonly tight to isoclinal. Broken and rootless folds and minor drag folds are common. Fold amplitude varies from one to several tens of meters. Fold axes are orientated at 145° to 160° and most commonly plunge shallowly to the southeast, though plunge angle and direction is variable.

Foliation is axial planar to folds and parallel to the shear zones. Dips are generally moderate to steeply northeast.

Two major shear zones transect the property around the old mine workings, (Shear A and Shear B). Shear A forms a distinct lineament which can be traced for 4Km running at 145° from Tagish Lake just south of camp to the south end of the property. In the area around the old mine where the shear zone outcrops and has been drifted on and intersected with diamond drill holes, the steeply east dipping shear zone consists of a 5 to 20m wide zone of silicified argillite, silicified breccia with argillite and quartz fragments, and quartz veining. Recemented fragments, cockscomb textures and alternate quartz and calcite layering in vugs and around fragments indicates multi-episode generation for this structure. The walls of veins have polished surfaces and slickensides plunging shallowly southeast in places.

At the north end of this structure, 100m east of Tagish Lake, there is a large oval shaped structure 40m wide by 60m long with abundant quartz veining, stringers, and silicification known as Hub A. Old reports suggest that Shear A and a number of quartz veins radiated out of this hub. However it appears that the hub is caused by the intersection of structures running 010° to 020° with Shear A.

South of the old mine area Shear A can be traced as a small linear depression running to the western contact between argillite and the quartz diorite intrusive on Engineer Mountain. The zone then forms the western contact between the intrusive and Labarge argillites. This contact is steeply west dipping to vertical and bedding in the Labarge sediments tends to be parallel to the contact. No shearing is evident along the contact suggesting that the contact is not because the two rock types have been juxtapositioned along the shear zone but that the intrusive rocks used the shear zone as a conduit for emplacement.

South of the Quartz Diorite, the shear zone becomes the contact between dark grey to black Labarge argillites and sandstones to the west and moderately folded green to grey Cherty Tuffs to the east. The actual contact between the two rock types was not observed so whether or not it is a shear contact is unknown, however the recessive nature of the contact would suggest that there may be a shear/fault zone in this area.

Shear B, the other major shear zone on the old mine property, appears to start at another large hub of quartz veining and flooding 100m east of Hub A. It runs at 160° from this hub and is similarly a zone of quartz veining, silicified breccia, and intensely silicified argillite. This structure dips 65° to 70° to the northeast. Shear B is not as well defined as Shear A, and is usually only a few meters wide in drill intersections. It can be traced for about 600m through drill intersections and a shallow surface depression.

Veining around the mine is directly related to the two shear zones and always hosted by Labarge rocks. A number of veins striking 360° to 045° project into, but do not cross, the shear zones. Veining can be broken into two types. There are shear type veins with abundant parallel stringers, parallel foliation developed in the argillite host rock, abundant wallrock and vein fragments, and minor vugs. These vein structures strike at low angles to the main shear zones and are interpreted to be Riddell shears off of them. A-3 vein and a number of other smaller structures southwest of Hub A are examples of this kind of vein.

The second type of vein has sharp walls, few associated stringers, and is discordant to bedding and foliation. In places individual beds can be traced directly across the structure. Large vugs, long quartz and calcite needles, and angular wallrock fragments are ubiquitous. These veins are hosted by moderately hornfelsed rock and are interpreted to be brittle tension type. The Double Decker and Engineer veins are examples of tension type veins.

On the 500 level, as the Double Decker approaches Shear A its strike changes from 030° to 010° and it changes from a tension type to a shear type vein. Development of these veins thus would appear to have involved ductile deformation and the development of Riddell shears off of a major shear zone. In areas with hornfelsed, very competent rocks, the ductile shear was only able to continue a short distance from the main shear zone and then brittle deformation replaced it.

Alteration around the veins is limited and consists of silicification and 2 to 5% disseminated pyrite in a generally less than 1m envelope. Diamond drill holes intersected a dyke within Shear A. However the veins associated with the shear all crosscut any dykes which they encounter, indicating a late stage development of the veins.

Veining occurs west of Shear A, (A-3, No. 1 through 7, Double Decker, Engineer, and Jersey Lily veins), and west of Shear B, (Boulder, Andy, Blue, and Shaft veins). Veins west of Shear A have vertical to steep southeast dips while those west of shear B tend to have moderate southeast to east dips. Vein widths vary considerably along strike but are generally less than 1m.

Just off of claims owned by Total Erickson there is a series of veins east of Shear B, (the Gleaner veins), and a very large quartz vein, (the Mickey vein), strikes northeast from Hub B.

On parts of the Engineer property away from the old mine other major shear zones have been outlined. At 1300m elevation on Gleaner Mountain, just above the Bee and Glean LCP, an up to 18m wide zone of intensely silicified argillite and silicified breccia outcrops in a creek gully. The zone strikes 005° to 010° and dips 70° to 80° to the west. Talus covers any strike extension of this structure.

Ground magnetics and VLF over the Taku grid north of the mine indicates that 150° structures underly this area, though extensive overburden masks them. North of Hope Creek a major lineament trending at 010° can be traced for 3.0 Km. At its southern end, along a contact between Labarge argillite and massive sandstone/tuff, this structure hosts auriferous quartz veins within a zone of quartz-carbonate alteration on the Happy Sullivan Property. The northern portion of this lineament lies on Total Erickson owned claims.

7.3 Mineralization

Mineralization on the Engineer property is contained within structures hosted by Labarge group sediments. Two principal target types exist. There are the large shear zones which provide a large tonnage low grade target. The shear zones contain abundant pyrite, (1 to 5%), disseminated in fragments, with the pervasive quartz flooding, along fractures and within vugs. Old data from the mine reports some low gold values from samples taken from Shear A underground with some sporadic higher, (0.1 oz/ton Au), values also reported. Recent work has similarly resulted in some low gold values, (<0.1 opz/T), from Shear A and B as well as the shear zone on Gleaner Mountain, but no economic grades have been encountered.

The most important mineralization found on the property to date is contained within the tension type veins which are associated with the shear zones. These veins are composed of quartz and lesser calcite with minor mariposite, and a pale green mineral, possibly prehnite. Vugs from millimeter to tens of centimeter scale, drusy quartz and calcite coatings, cockscomb texture, long prisms of quartz and calcite and angular wallrock and vein fragments are common. Vugs and fragments often have successive layers of quartz or calcite and euhedral quartz or calcite crystals are common in vugs. Such textures indicate an epithermal multi-injection genesis for the veins. The angular nature of fragments, the large vugs and the needle-like shape of some of the crystals all preclude any major shearing taking place during vein genesis.

Gold is the only economic mineral of significance within the veins. It occurs as native gold and gold tellurides disseminated within the quartz and as thin scales, leaves and fine dendritic forms within fractures and vugs. Sulphide content in the veins is very low, (less than 1%). Associated sulphides include pyrite, chalcopyrite, galena, tetrahedrite, allemontite, (an antimony sulphide), and berthierite, (an iron-antimony sulphide).

Gold grades are extremely erratic and oreshoots in the old mineworkings tended to be narrow and steeply plunging. Often samplea would assay trace in gold directly beside ones running several ounces in gold per ton.

Historically the best gold grades were obtained from the Engineer and Double Decker veins. Other veins on the property, while having some good gold assays, were never found to be consistent enough to justify any significant mining.

7.4 Geological History of the Engineer Mine

Observations from 1987 field work combined with published work about the Engineer area suggests the following scenario for the geological history of the Engineer Mine.

During the Late Triassic volcanic rocks of the Stuhini Group were deposited within the northwest trending Whitehorse trough. These were overlain by the sedimentary Labarge Group rocks during Lower Jurassic time. During the late stages, or after, deposition of the Labarge sediments, plate tectonics resulted in northeast-southwest shortening of the Whitehorse trough and development of the Llewellyn Fault, a major transcurrent dextral fault system which formed the west boundary of the Whitehorse trough in the area. These events resulted in folding of the Labarge rocks through compression and shearing and the development of susidiary shears off of the Llewellyn Fault, including Shear A.

During Mid Jurassic times magma used Shear A, or a parallel shear, as a conduit and the volcanics on Engineer and Gleaner mountains were extruded. The feldpar-augite porphyry plug and dykes are the intrusive equivalent of these volcanics. The Labarge rocks started becoming hornfelsed during this event and the first quartz may have been implaced in Shear A and B.

During Cretaceous time Shear A was again used as a conduit by a rising magma and the quartz diorite plug was implaced. Dyking continued in the area around the mine and the argillites became more hornfelsed towards the intrusive contact. Shear A continued to be active and at times opening occurred, resulting in more quartz being injected. Gentle east-west deformation may be related to this period, though the shear zone shows no evidence of it.

During the late stages of this intrusion dextral shearing occurred along Shear A resulting in polished surfaces and slickensides along margins of quartz veins within it. This shearing did not cause opening within the structure but it did result in subsidiary, Ridell, shears off of it. Where these shears encountered the previously hornfelsed argillite deformation became brittle and tension structures with opening resulted. These openings resulted from sudden breaks and abundant wallrock fragments were produced. Late stage deuterite fluids from the intrusion, or fluids from within country rock, filled the open spaces of the tension fractures. Injection of fluids occurred over a number of episodes and under epithermal conditions. Some of the last fluids contained gold.

After the veins were implaced, very little deformation or later alteration occurred.

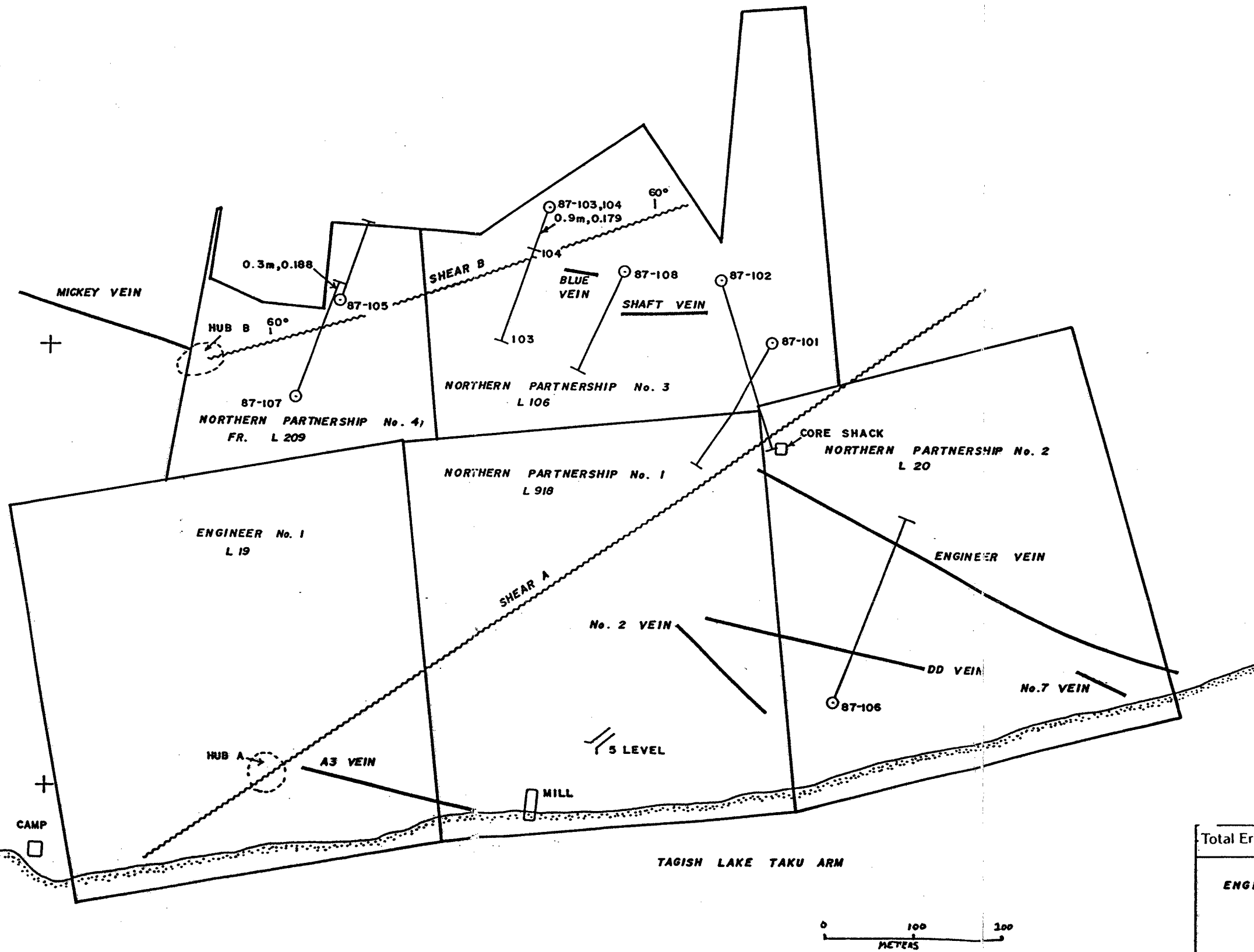
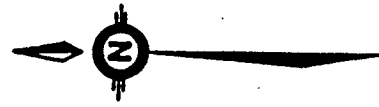
8.0 SUMMARY OF CURRENT WORK

Erickson Gold Mining Corp., a wholly owned subsidiary of Total Erickson Resources Ltd., conducted a diamond drill program on the Engineer property in the fall of 1987. Eight NQ diameter holes were drilled during the period from September 4 to October 20, 1987 resulting in 1778 meters of core.

All core with mineral potential was split and one half sent to Min-En Laboratories of North Vancouver for analysis for gold by fire assay or AA and for 31 multi-elements by ICP. A total of 434 core samples were sent. All remaining core was stored on the property in newly constructed core racks.

A Sperry Sun was used to survey down the holes. After drilling, all hole collar locations were surveyed and tied into UTM coordinates.

Drilling was contracted to Conners Drilling of Kamloops, British Columbia. Mobilization of drill equipment and personnel was done using a Bell 205 and 206 helicopters. Supplies were brought in from Atlin by boat. Demobilization was done using a boat to Atlin and a barge to Carcross. A John Deere 350 bulldozer was brought in for drill moves by barge. Unfortunately it spent most of the time in small pieces and a Bell 206 helicopter was required for most of the drill moves.



Total Erickson Resources Ltd.

ENGINEER MINE 1987

DDH PROJECT

FIG. 8.

Scale: 1" = 5,000' Date: Nov. 1987
 Drawn By: WRG Fig. No.

TABLE 1
DIAMOND DRILL HOLE SUMMARY

24

HOLE #	LOCATION (UTM)			AZIMUTH	DIP	LENGTH (M)
	NORTH	EAST	ELEV. (M)			
87-101	6,594,009.0	543,322.4	773.7	295	-55	291.4
87-102	6,594,067.5	543,394.0	802.0	250	-55	319.7
87-103	6,594,276.2	543,482.4	817.5	293	-42	209.7
87-104	6,594,276.2	543,482.4	817.5	295	-59	99.7
87-105	6,594,528.2	543,368.3	797.2	104	-44	142.0
87-106	6,593,962.9	542,920.3	704.1	102	-48	331.3
87-107	6,594,565.3	543,254.4	773.4	103	-44	196.9
87-108	6,594,191.3	543,411.3	803.6	296	-49	187.8

9.0 DISCUSSION OF DRILL HOLES AND RESULTS

Two of the eight holes were drilled to test Shear A at the elevation of the lowest level in the old mine, (800 level). Hole 87-101 was targeted on the shear zone where the strike projection of the Engineer vein intersects it at the 800 level. This required a fairly low angle intersection to the shear zone in order to get a good angle to also intersect the Engineer vein. Unfortunately due to the low angle which the drill hole encountered the foliation of the shear the drill azimuth turned northward down the hole and drifted away from its intended target.

The hole did intersect Shear A and a 29.8m intersection of mixed quartz veining, silicified breccia and intensely silicified argillite was encountered. The zone contained 1 to 5% pyrite disseminated in the quartz, in fractures and in small vugs. Most of the intersection was weakly anomalous in gold content with an average grade of 0.009 oz/ton gold. One 1.1m section graded 0.054 oz/ton gold.

On plan this intersection does not line up well with the shear zone location shown in old mine plans or with an intersection in 87-102. Possibly the Sperry Sun was being affected by magnetic dykes and the actual azimuth of the hole is somewhat south of that recorded.

As well as the Shear A intersection 87-101 had six quartz vein intersections from 0.2m to 2.3m long and grading between 0.001 and 0.007 oz/ton gold.

Hole 87-102 was drilled at a high angle to Shear A to prevent deflection of the drill hole. It had a 24.1m intersection on the Shear zone, of similar character to the one in 87-101. Average grade was 0.007 oz/ton gold. This hole intersected 4 quartz veins before the shear zone ranging from 0.4 to 1.1m wide and grading between 0.001 and 0.007 oz/ton gold. All of these veins contained minor pyrite, and one contained traces of tetrahedrite.

Holes 87-106 was drilled to test the Engineer vein 70m below the 800 level. It had a 1.6m intersection on the Double Decker vein grading 0.004 oz/ton gold, but never intersected the Engineer vein. Either it crossed the structure in an area where the vein is pinched out, or else the vein does not continue to this depth.

The other 5 holes tested anomalies around Shear B from the soil geochemistry survey conducted earlier in the summer. Hole 87-103 intersected a zone with quartz stringers at low angles to the core axis which contained abundant sphalerite, arsenopyrite, galena and pyrite which graded 0.026 oz/ton gold.

Hole 87-103 hole also intersected two 0.4m quartz veins which graded 0.015 and 0.002 oz/ton gold, and a 0.9m quartz vein with abundant fragments and vugs which may be Shear B. This intersection graded 0.001 oz/ton gold.

Hole 87-104 was a steepening of 87-103. It intersected two zones of mixed quartz stringers, breccia, and silicification which may be Shear B. The first graded 0.179 oz/ton gold over 0.9m and the second graded 0.005 oz/ton over 1.6m.

Hole 87-105 was drilled to test an arsenic anomaly east of Shear B, 130m southeast of Hub B. It intersected two quartz veins in the upper part of the hole, with the best assay 0.006 oz/ton gold over 1.6m. A number of stringers were intersected further down the hole, but none contained significant gold.

Hole 87-107 was drilled west of 87-105 to test Shear B. It intersected 4.2m of mixed quartz stringers, veins and silicified breccias which averaged 0.020 oz/ton gold and included 0.3m of 0.188 oz/ton gold. Two other veins, 1.7 and 1.2m wide, were also intersected but they did not contain gold.

Hole 87-108 tested the area by the old underground workings around the Boulder vein. A dyke/stringer zone grading 0.007 oz/ton gold over 1.2m was intersected in the upper part of the hole, and lower down there was a 1.6m intersection of quartz stringers which is probably the Boulder vein. It only assayed 0.001 oz/ton gold.

10.0 CONCLUSIONS FROM 1987 DRILL PROGRAM

The 1987 drill program on the Engineer property confirmed the existence of a number of quartz veins and large quartz rich shear zones containing anomalous gold values. However no significant mineralization was encountered and only two assays grading better than 0.1 oz/ton gold were obtained.

Shear A was intersected by two holes at around 600m elevation and shown to have a true thickness of 13 to 15m at this level. Only low gold values were obtained from it, (average 0.008 oz/ton).

The Engineer vein may not extend to 70m below the 800 level of the old mine.

Shear B was intersected in 1 hole for sure and probably in 2 others. It had a true thickness of up to 1.8m. Two samples from the structure assayed between 0.1 and 0.2 oz/ton gold.

A number of quartz veins were intersected around Shear B. Some were anomalous in gold but none had significant gold assays.

Wherever an anomaly from the previous soil geochemistry survey, (mostly arsenic anomalies), was drilled, a quartz vein was intersected. This highlights the value of using soil geochemistry to locate veins on the property.

11.0 RECOMMENDATIONS

A substantial amount of drilling has now been conducted over the area around the Engineer Mine. Very few assays with more than 0.1 oz/ton gold have been returned from this work and no potential ore zones have been delineated. The very poddy nature of gold mineralization within the high grade veins makes it hard to properly test them through drilling. The shear zones have so far not proven to contain any significant gold content. It is likely that at the time of gold mineralization the shears were not zones of opening in the area around the mine and thus gold bearing fluids were not able to deposit within them.

However the entire Engineer property remains an attractive exploration bet. Shear A is a major structure which was active for a long time and provided a very deep seated plumbing system to be used by mineralizing fluids. Other shear zones occur on the property which may have similar characteristics. If zones of possible opening during mineralizing events can be found on these structures, they will provide good exploration targets.

The potential of finding new high grade veins related to shear zones, similar to the Engineer vein, through soil geochemistry is good.

Therefore a program of continued geological mapping, geophysics, and soil geochemistry is recommended. This work should focus around Shear A towards the quartz diorite intrusive. Other shear zones on the property should also be examined. No further drilling is recommended unless new targets are generated, or further research allows better targeting of drill holes on known targets.

12.0 COST STATEMENT

DRILLING COSTS:

coring		
	1778 X \$90.00/meters	\$160,020.00
labour/supplies/rig charges		
	8 X \$2000.00/hole	16,000.00
Sperry Sun tests		
	27 X \$65.00/test	1,755.00
core boxes		
	300 X \$16.50/box	4,950.00
core racks		
		5,334.00
assays		
	434 X \$18.00/assay	7,812.00
mobilization of drill to Atlin		
		5,000.00
surveying		
	8 X \$200.00/hole	1,600.00
cat rental		
		2,000.00
fuel		
		4,050.00

TRANSPORTATION

Bell 205 helicopter		
	15 X \$1501.50/hour	22,522.50
Bell 206 helicopter		
	30.9 X \$582.50/hour	17,999.25
Twin Otter		
		1,013.00
Cessna 185		
		500.00
boat		
	16 X \$250.00/trip	4,000.00
barge		
	62 X \$75.00/hour	4,650.00
Honda 4-wheeler		
		2,000.00

TOTAL ERICKSON PERSONNEL

mobilization to Atlin		
		4,000.00
supervisor		
	47 X \$250.00/day	11,750.00
geologist		
	15 X \$200.00/day	3,000.00
assistant		
	47 X \$175.00/day	8,225.00

EQUIPMENT AND SUPPLIES

2,000.00

TOTAL COSTS

 \$290,180.75

13.0 REFERENCES

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- Wheeler, J.O. and McFeely, P. (1987): Tectonic Assemblage Map of the Canadian Cordillera; Geological Survey of Canada, Open File 1565.

14.0 STATEMENT OF QUALIFICATIONS

I, Hans Smit of Telkwa, British Columbia, hereby certify that:

I am a graduate of the University of British Columbia and hold a Bachelor of Science (Honours) degree in Geology.

I have practised my profession for various companies over the past seven years.

I am currently employed by Total Erickson Resources Ltd. of 500-171 West Esplanade Street, North Vancouver, and have been so for the last three years.

The work detailed in this report was performed under my direct supervision.

I am the author of this report.

April 4/88

DATE

Hans Smit

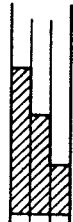
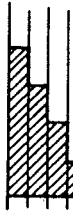
Hans Smit
Project Geologist

APPENDIX A
DRILL LOGS

ERICKSON GOLD MINING CORP.

MINERALS SECTION

DRILL LOG

PROJECT Engineer	GROUND ELEV. 773.70 m															
HOLE No. 87 - 101	BEARING 295°															
LOCATION N 4,009.00 E 3,322.40	DIP 55°															
LOGGED BY J. Pardoe	TOTAL LENGTH 291.4 m															
DATE Sept 9 / 87	HORIZONTAL PROJECT 172.99 m															
CONTRACTOR Connors Drilling	VERTICAL PROJECT 234.48 m															
CORE SIZE N.Q.	ALTERATION SCALE															
DATE STARTED Sept 8 / 87	 <p>absent slight moderate intense</p>															
DATE COMPLETED Sept 14 / 87																
DIP TESTS	TOTAL SULPHIDE SCALE															
<table border="1"> <thead> <tr> <th>DIP</th> <th>GRD</th> <th>GRD</th> </tr> </thead> <tbody> <tr> <td>39.6</td> <td>-54.0</td> <td>300</td> </tr> <tr> <td>157.3</td> <td>-53.8</td> <td>301</td> </tr> <tr> <td>248.7</td> <td>-53.0</td> <td>307</td> </tr> <tr> <td>291.4</td> <td>-52.5</td> <td>310</td> </tr> </tbody> </table>	DIP	GRD	GRD	39.6	-54.0	300	157.3	-53.8	301	248.7	-53.0	307	291.4	-52.5	310	 <p>traces only < 1% 1% - 3% 3% - 10% > 10%</p>
DIP	GRD	GRD														
39.6	-54.0	300														
157.3	-53.8	301														
248.7	-53.0	307														
291.4	-52.5	310														
COMMENTS	LEGEND															
<p>INTERSECTIONS!</p> <p>86.6 - 86.8 - gtz str (below dyle) - white + translucent - ft drusy vugs, arg. bxa, (2% sx (py + aspy?))</p> <p>169.6 - 182.0 - gtz flooded bxa (fault) zone (HW to vein) 3 → locally 6% py.</p> <p>182.0 - 190.5 - gtz vein - white, grey + translucent gtz, drusy vugs, arg bxa, local gtz bxa w "growth halos", local tale, 3-6% py</p> <p>190.5 - 193.1 - gtz flooded bxa (FW to vein), drusy vugs, 3% py</p> <p>193.7 - 199.4 - gtz vein - initially grey translucent gtz then white gtz, drusy vugs, arg/void(?) bxa trace → 3% py, possible aspy.</p>	<p>SHEAR A</p> <p>29.8 m @ 0.009 oz/tan Au.</p> <p>w 1.1 m @ 0.054</p>															

MINERALIZATION DESCRIPTION	TOTAL SULPHIDE	INTERVAL	WIDTH	ASSAY NUMBER	% Au PPB	% Ag PPM	%	Au g/tm	COMPOSITE ASSAYS
16.8-17.1 - local intense alt ^v beige in color w slight green bands. Minor local bkn. - irregular gtz/cals spots and 1-2% py in fractures			.3m	5714	10	2.2		tr	
17.0-18.3 - similar to above w several fine spots @ 20° to C.A.			.3m	5715	5	1.2		tr	
23.0-23.2 - intense alt ^v w irregular gtz/cals fracture fillings. Possibly 2 stages of gtz/cals alt ^v - a weaker greyish "flooding" cut by later white gtz/cals alt ^v grey-beige w minor med grn. streaks, intensely Si, up to 1% bronze colored py. Local coppery-orange fracture fillings.			0.2m	5716	5	2.0		tr	
30.3-30.4 - intense alt ^v , beige w grn streaks, intense Si, gtz/cals "flooding", 1% py			0.1	5717	5	1.7		tr	

PAGE 4 OF 27			PROJECT: Engineer		HOLE No. 87-101						
DEPTH (METRES)	% Core Recy	LITHOLOGY	STRUCTURE	GEOLOGICAL DESCRIPTION	ALTERATION					FRACT INTENSITY	clay affy
					Si A	CaS B	Hps C	Cl. D	E		
32				32.1 - 34.6 Intrusive dyke - light green w large swirls. Abundant small (1 mm) white feldspar xls; some are rectangular, others are rounded. Intensely silicified w 3% diss mg-eg. py and local py aggs. Irregular dk grn chlorite fracture filling throughout - 1 mm. width, approx 20 per / 30 cm. Irregular contacts @ roughly 20° to C.A. Lower contact is brecciated in lower 2.8 m w gtz/carb banded agg (approx 2-3 cm width) @ lower contact							
34											
36											
38				34.6 - 46.6 Argillite - Labarge Gp - overall more altd than previous argillite may contain some volc. material							
40				(34.6 - 36.5) - beige colored swirls comprise ~30% of the core. In upper .5 m there are local associated gtz/carb aggs 2-4% py in aggs & elongate patches. From 36.4 - 36.5 small fractures sub // to core & rusty colored occur							
42				(36.5 - 41.5) - fracture zone. From 36.5 - 37.5 core is badly broken & locally altd to rusty clay (ganga). The rest of the section is slightly broken but brecciated indicating probable earlier fracturing							
44				(41.5 - 41.9) - slight to moderately chloritized argillite							
46				(41.9 - 44.6) volc(?) - upper contact sharp @ 40° to C.A. Upper .2 m. is md. grn-grey w gtz/carb + chl aggs. This is followed by grey, intense - Si w abundant fine fractures (40 or more / 30 cm) filled w gtz/carb and chlorite. Abundant pyritic specks (1-2 mm. dia) in upper 40 cm. Upper contact @ 45° to C.A. (sharp 2 mm aggs.) Lower contact less distinct @ ~10° to C.A.							
48				(44.6 - 47.3) - yellow-green & beige streaks comprise 40% of core, strong - Si - possibly altd volc? or mix of sed & tuff? Broken							

MINERALIZATION DESCRIPTION	TOTAL SULPHIDE	INTERVAL	WIDTH	ASSAY NUMBER	% Au PPB	% Ag PPM	%	Au oz/tm	COMPOSITE ASSAYS
34.32-34.6 - brecciated, silicified intrusive. Angular clasts, grey to beige colored up to 7 mm. dia. 2-3 cm wide grt/casb stgr w very dk grn breccias to stgr has no definite edges, is ~20° to C.A., 3-4% sig. cubic py diss. and in fractures			0.28	5718	65	0.8		.002	
37.4-38.4 - brecciated blk argillite + beige mud(?) alt(?) swirls. Rusty fracture sub// to C.A. runs length of interval. Local irregular grt/casb fracture fillings 1% diss py and local massive py patches up to 1 cm dia.			1.0	5719	20	2.4		.003	

PAGE 6 OF 27		PROJECT: Engineer		HOLE No. 87-101									
DEPTH (METRES)	% Core Recy	LITHOLOGY	STRUCTURE	GEOLOGICAL DESCRIPTION	ALTERATION					FRACT INTENSITY	talc		
					Si A	carb B	hfs C	chl D	Ser E				
48		L - arg + vblc (?)		34.6-76.6 Labarge cont. core is rusty limonite on fracture surfaces @ 44.0-44.4, 45.9-46.2, 46.4-46.5, and 46.7-47.0. Last broken interval contains local i-clay alt ^r . Bottom contact is abrupt @ 5 mm. Qtz/carb stage @ 40° to C.A. (47.3-53.6) - mod hfs blk argillite to thin Qtz/carb stage occurring - 6/m. (some appear to be tension fractures). Lower "contact" marked by 1 cm wide Qtz/carb stage @ 20° to C.A. (53.6-64.0) - intense hfs blk argillite, purplish tones throughout increasing in intensity downsection. Irregular Qtz/carb fracture fillings comprise up to 30% of the core locally. red gem mineral (chlorite?) occurs in fracture fillings & locally contains minor bxc. 1% py diss. in small blebs and locally small needles (1 mm.) (64.0-67.7) - i-hfs argillite, strongly alt ^d to pale yellowish green - large swirls comprising 40% of core. Locally broken along fractures to chlorite, Qtz/carb, 1-2% py - mod clay alt ^r on surfaces in upper 3 m. Downsection is highly fractured to local unbroken sections. Badly broken - clay alt ^d core @ 67.9-68.3, 69.5-69.8, 72.3-74.7. Last interval is very ground up to possible talc in lower 3m) < 40 stages of sericite/talc (?) per 30 cm (74.7-75.3) - green gray alt ^d argillite/tuff? shot through to white specks & fractures of talc. (75.3-76.7) - silicified fault zone. Qtz vein 30 cm wide at top to upper contact @ 30° to C.A. Qtz stage of similar appearance, ~1.5 cm wide follows sub // to core down rest of interval. Argillite clasts angular, 1 cm or less in intensely silicified core									
55													
62													
65.5													
69													
72.5													
76													

PAGE 8 OF 27		PROJECT: Engineer					HOLE No. 87-101				
DEPTH (METRES)	% Core Recy	LITHOLOGY	STRUCTURE	GEOLOGICAL DESCRIPTION	ALTERATION					FRACT INTENSITY	
					Si	Carb	Hf/S	Chl	Ser		
					A	B	C	D	E		
76				34.6 - 79.6 Labarge Gp (cont.)							
				(76.7 - 76.9) - blk, moderately argillite							
				in wavy foliation sub- to C.A. 3 gtz stgs							
				(1.5m or less in width)							
77				(76.9 - 79.6) - possible v. pale yellow-grey							
				in abundant dk grey gtz + chlorite (?) filled							
				fractures. 76.9 - 77.9 is moderately broken							
78				in local 2-4% py assoc. in gtz stgs. 77.9 - 79.1							
				is only slightly broken. 79.1 - 79.6 is brecciated							
				(clasts up to 4cm length) in local clay alt.							
79				79.6 - 86.6 Feldspar porphyry dyke.							
				- yellowish gray to grey f.s.-mg. ground							
				mass in abundant feldspar xls up to							
80				4 mm in length. Dyke is quite alt. &							
				locally silicified in ~ 2% diss py							
				throughout. Feldspars are alt. to							
				sericite. Local gtz stgs + a vein							
81				cut the rock (described opposite page)							
82											
83											
84											
85											
86											

DEPTH (METRES)	% Core Recy	LITHOLOGY	STRUCTURE	GEOLOGICAL DESCRIPTION	ALTERATION					FRACT INTENSITY	clay alt ^W		
					Sr A	carb B	Hfs C	Chl D	Ser. E				
86				86.6-121.2 Labarge Grp (86.6-89.6): volc/alt ^W argillite? - dirty yellow and bluish blk to local purplish - grn tones. Moderate fine chloritic fractures throughout. 3-6 grt/carb stgs (1mm width) per 30 cm. Local grt flooding / abundant stgs @ 86.6-86.9 and 89.1-89.3. Mod to badly broken core @ 88.2-88.4 + 89.0-89.05 (89.6-115.7) blk argillite - mod. indurated, fine (1-3mm) grt/carb stgs ~ 10/m. Core becomes increasingly alt ^W to yellow swirls and local purplish-red streaks. Intense Hfs @ 95.7-105.2, weakly indurated downsection in intense yellow alt ^W . 98.8-99.2 - mod broken, slight clay alt ^W 1 cm wide carb stgs @ low angle 105.1-105.5 - mod broken, mod clay alt ^W 110.3 - gouge 115.3-115.7 - intense yellow alt ^W , mod broken to gouge @ 115.35-115.45. (115.7-121.2) blk argillite to yellow-grey swirls comprising ~ 20% of core, locally up to 40% and core is br ^W . Grt stgs more abundant, larger and increase in size downsection, correspondingly core goes from mod to i silicification. ~ 2% py occurring in stgs, locally absent. 121.2-123.5 Qtz Vein. - white and lesser grey grt to abundant angular argillite clasts (average 1 cm or less dia. up to 4 cm.) Local scattered fig. py blubs, sometimes within clasts, bronze & silvery colored (possible asphy?), < 1% sx overall. Very fine orange carb stgs locally. Upper .5m is dominantly grey grt gradually being domi- nated by white grt. Upper contact @ 10° to C.A. F.W. contact more irregular but roughly the same. Orange carb stgs are more abundant in lower part of vein & in stgs									
95													
104													
113													
122													

MINERALIZATION DESCRIPTION	TOTAL SULPHIDE	INTERVAL	WIDTH	ASSAY NUMBER	% Au PPB	% Ag PPM	%	Au g/tm	COMPOSITE ASSAYS
→ 86.6-86.8 - gtz stgs in alt/ volc/ argillite? + white + translucent gtz stgs ~ 4 cm wide, @ roughly 35° to C.A. (irregular ventricles) Abundant drusy cavities and scattered blk argillite (?) bxa. ~1-2% drusy sulfides - pyrite and a silvery needle-like mineral (possibly Aspy?)			0.2	5733	40	0.5		.001	
→ 86.9-87.0 - massive py in minor silica flooding in dirty yellow alt/ volc/ arg? + 5% py			0.1	5734	5	1.7		tr	
→ 89.2-89.45 - irregular gtz stgs in alt/ volc/ arg? white + translucent gtz stgs locally @ 25° to C.A. local patches of py, less than 1% py overall			0.25	5735	100	1.7		.003	
→ 118.7-118.95 - irregular gtz stgs in blk argillite. Translucent grey - white gtz w small drusy vugs. 2-3% f.g. py in fractures			0.25	5736	10	0.6		tr	
→ 117.8-118.3 - gtz stgs in bxa + alt/ volc/ argillite. White + lesser translucent gtz w local drusy vugs in 1-2cm wide stgs + irregular fractures. Volc/ arg is alt/ grey to yellow tones + highly fractured. 2-3% py in fractures			0.5	5737	30	1.0		.001	
118.6-119.1 - gtz flooded bxa zone. I-si and local white gtz stgs up to 3 cm wide. Small, scattered drusy vugs throughout. 1-2% py			0.5	5738	130	0.9		.004	
119.25-119.75 - intense gtz flooding. White + lesser translucent gtz form 70+% of core, the rest is argillite bxa. Local drusy vugs. Minor rule filled fractures in lower 10cm. 1% py			0.5	5739	120	1.8		.003	
119.95-120.5 - as above, though gtz decreases. Average section is only 50% of core. 1-2% py.			0.55	5740	70	0.4		.002	
120.7-121.2 - gtz flooded bxa. Qtz ~ 30% of core. Massive py on fractures. 2% py			0.5	5741	40	2.9		.001	
121.2-121.7 - Qtz vein described p10. Dominantly grey gtz			0.5	5742	100	0.9		.003	
121.7-122.2 - Qtz vein (p10) - dominantly white			0.5	5743	110	0.6		.003	
122.2-122.7 - " "			0.5	5744	160	0.4		.005	
122.7-123.2 - " "			0.5	5745	100	0.4		.003	

g.v.

2.3m, .003

MINERALIZATION DESCRIPTION	TOTAL SULPHIDE	INTERVAL	WIDTH	ASSAY NUMBER	% Au ppb	% Ag ppm	%	Au g/tm	COMPOSITE ASSAY
123.2 - 123.5 - Qtz vein and F.W. Qtz vein as described p 10, abundant stages of same Qtz in F.W. argillite Qtz ~ 50% of sample. ~ 1% py			0.3	5746	80	0.8		.002	}
123.5 - 124.0 - F.W. of vein. Blk argillite w/ Qtz stage/vein as previously described. 30-40% of sample is Qtz			0.5	5747	10	1.2		tr	
124.7 - 125.4 - Qtz stage in blk argillite white + translucent Qtz w/ minor pale orange carb(?) streaks in stages and irregular fractures. Stringy fractures ! massive py patches (~5%) in lower 10 cm.			0.7	5748	10	1.6		tr	
137.2 - 137.55 - Qtz vein as described p 12. 17% py			0.35	5749	250	206.1		.007	
138.5 - 139.0 - Qtz vein as described p. 12 1-2% ss.			0.5	5750	100	17.2		.003	} 1.2 m, 0.006
139.2 - 139.7 - Qtz vein as described p 12 2% py			0.5	5601	350	1.3		.010	

PAGE 14 OF 27			PROJECT: Englund		HOLE No. 87-101										
D I (METRES)	% Core Recy	LITHOLOGY	STRUCTURE	GEOLOGICAL DESCRIPTION	ALTERATION					FRACT INTENSITY	Magnetite				
					Si	Carb	HfIs	Chl	E						
A	B	C	D	E											
140				139.7-181.5 Labarge Gp. (139.7-169.6) - Wk and very green mottled argillite abundant white and yellowish gtz / carb(?) stgs + fracture fillings (>25 / 10cm). Mod - hfIs (or?) Stgs are locally very - 2% py locally up to 5% py, in patches + fractures Local brecciated a gtz flooded zones (described p 15). mod broken core + local clay altv @ 152.6 → 153.4 Mod. broken core + local slight clay altv @ 165.0 - 165.4. 158.2 → 164.3 has only 3-6 stgs / 10cm is dominantly black and has 2-3% py in fig. 1 mm. patches disseminated in core											
150															
160				(169.6 - 181.5) - silicified bra zone. upper contact w previous zone @ 25° to C.A. ① Bk - large argillite bra; angular clasts generally 1 cm or less in size, floating in a dk grey siliceous matrix, locally w white gtz flooding. ② Locally the core is clast supported w clast size up to 3-5 cm dia. ③ Locally core has a mottled (pseudo-mylonitic) appearance w elongate irregular rounded clasts and large (1 cm - 2 cm) patches of fig massive py 3-5% py throughout.											
170															
180															

MINERALIZATION DESCRIPTION	TOTAL SULPHIDE	INTERVAL	WIDTH	ASSAY NUMBER	% Au ppb	% Ag ppm	%	Au oz/ ton	COMPOSITE ASSAY
→ 140.4 - 140.9 - Qtz flooded & mod. bxd argillite. White & translucent grey Qtz w/ abundant drusy vugs, comprises ~ 20% of core. 3-5% py, fig., in patches & fractures.			0.5	5602	40	2.1		.001	
→ 146.2 - 147.0 - Qtz flooded, strongly bxd argillite. Angular clasts, 1 cm or less float in dk grey & translucent grey Qtz. Later pale "peach", vugs Qtz / (carb?) stages cut core. 3% diss py. Possibly a bxa-rich vein in contacts @ ~ 25° to C.A.			0.8	5603	50	1.9		.001	
→ 150.7 - 151.3 - Qtz vein? - white & translucent grey Qtz w/ abundant angular arg. clasts (≤ 2 cm). Drusy vugs in Qtz & 3% diss py. Upper contact @ 50° to C.A. Fault contact @ 40° to C.A.			0.6	5604	520	1.9		.015	
→ 155.6 - 156.1 - Qtz stage / flooding in arg. White & minor translucent Qtz w/ local pale orange carb(?) patches. Large (2-6 cm.) drusy cavities. Local small argillite bxa in siliceous matrix. 3% py in fig. patches & arg. cubes, mostly in arg & translucent Qtz.			0.5	5605	170	1.9		.005	
→ 156.5 - 157.0 - Qtz stage & flooding in arg. Translucent grey & lesser white Qtz w/ arg. bxa, small drusy vugs & 1-2% diss py → possible vein dilatation (cuts core as low & curve) numerous small Qtz stages of similar comp. 2-3% py in argillite.			0.5	5606	90	1.2		.003	
→ 169.6 - 170.1 - Qtz flooded bxa described subscript ① p. 14. 3-4% py			0.5	5607	200	2.2		.006	
→ 171.5 - 172.0 - possible low & vein of ① in ③, local 6% py in patches			0.5	5608	280	2.0		.008	
172.4 - 173.0 - Qtz flooded bxa (① w/ minor amt. of ②) 3-6% py			0.6	5609	250	4.0		.007	
173.0 - 173.7 - as above			0.7	5610	390	4.5		.011	
174.3 - 175.3 - Qtz flooded bxa ② 3-4% py			1.0	5611	60	2.3		.002	
176.3 - 177.2 - Qtz flooded bxa ① 3% py			0.9	5612	80	2.7		.002	

↑ Zone
Bxa
↓

1.3m, .009

PAGE 16 OF 27		PROJECT: Engineers		HOLE No. 87-101								
D + (METRES)	% Core Recy	LITHOLOGY	STRUCTURE	GEOLOGICAL DESCRIPTION	ALTERATION					FRACT INTENSITY	microphot	
					Si A	carb B	Hfs C	Chl. D	E			
180		L-arg * vein * gtz		181.5-190.5 Qtz vein (181.5-183.5) - dk grey and white gtz, both slightly translucent. Angular and rounded argillite brn (1 cm dia or less) prominent. Scattered, small (5 mm or less) drusy vugs in white gtz. 1-3% f.g. py diss + in patches (183.5-186.0) - white + minor translucent gtz w/ large argillite/volc(?) clasts. Qtz contains numerous small (1-2 mm) drusy vugs. From 183.5 → 185.0 there are intervals/clasts(?) of arg/volc up to .2 m length of core, w/ 4-8% f.g. py in patches (This interval may actually be gtz stages in host rk.) From 185.0 → 186.0, gtz is dominant w/ large (1-5 cm) angular clasts of argillite + local 2-5% py usually occurring in the clasts. (186.0-190.5) - translucent white + grey gtz. From 186.0 → 188.3, rounded clasts, 3 cm or less of translucent grey gtz float in a greyish white gtz matrix + comprise ~40% of core. Local arg. brn (<7 mm dia). Drusy vugs locally up to 5 cm dia. 1% py as short "needlelike" stages + locally in vugs. Locally tale fills fractures + occurs as small fibrous needles in the gtz between 186.3-187.9. From 188.3 to 190.5 the gtz is translucent white w/ white specks and scattered vugs. Locally @ 188.7 → 189.0 translucent rounded gtz w/ "growth holes" are present (up to 3.5 cm dia.) At 189.15 → 189.4 is grey gtz w/ small (<1 cm) angular arg/volc brn, <1% diss py. FW contact @ 20° to C.A.								
183												
186												
189												
190.5		L-arg *		190.5-193.7 Latarg Grp. (190.5-191.5) - gtz flooded volc(?) / arg brn. Yellowish to grey subangular brn, up to 3 cm dia, w/ dk grn chlorite fractures. Floating in translucent grey to white gtz w/ local drusy vugs. 3% f.g. py in patches + fractures.								
192												

MINERALIZATION DESCRIPTION	TOTAL SULPHIDE	INTERVAL	WIDTH	ASSAY NUMBER	% Au ppb	% Ag ppm	%	Au g/ton	COMPOSITE ASSAY
177.4 - 178.4 - gtz flooded bxa ① 3% py		↑ gtz flooded bxa	1.0	5613	250	2.5		.007	1.65m, .010
178.4 - 179.05 - as above			0.65	5614	400	2.3		.012	
179.7 - 180.3 - gtz flooded bxa ①			0.6	5615	950	5.6		.028	1.1m, .017
Intense grey gtz (possibly vein?) scattered small vugs. 3-4% py									
180.3 - 180.8 - as above w irregular, 2-3cm wide, white gtz "stages" comprising ~ 20-30% of interval			0.5	5616	110	4.6		.003	
181.5 - 182.0 - dk grey + lesser white gtz vein/flooding? as described p 16 1-3% py		↑ gtz ↓	0.5	5617	480	6.0		.014	
182.0 - 182.5 - as above			0.5	5618	390	14.6		.012	
182.5 - 183.0 - as above			0.5	5619	450	33.4		.013	
183.0 - 183.5 - as above			0.5	5620	90	4.4		.003	
183.5 - 184.0 - white gtz + large arg/alc bxa - possible stage zone. 4-8% py			0.5	5621	110	53.2		.003	4.5m, .009
184.0 - 184.5 - as above			0.5	5622	210	13.3		.006	
184.5 - 185.0 - as above			0.5	5623	350	3.1		.011	
185.0 - 185.5 - white gtz w angular bxa local 2-5% py			0.5	5624	390	2.2		.012	
185.5 - 186.0 - as above			0.5	5625	340	2.6		.011	
186.0 - 186.5 - translucent greyish white gtz w rounded translucent grey gtz clasts 1% py			0.5	5626	10	0.2		tr	
186.5 - 187.0 - as above			0.5	5627	5	0.2		tr	
187.0 - 187.5 - as above			0.5	5628	15	0.3		tr	
187.5 - 188.0 - as above			0.5	5629	5	0.7		tr	4.5m, .001
188.0 - 188.5 - as above w more white gtz			0.5	5630	5	0.2		tr	
188.5 - 189.0 - white gtz as described p 16			0.5	5631	5	0.5		tr	
189.0 - 189.5 - as above			0.5	5632	180	0.7		.005	
189.5 - 190.0 - as above			0.5	5633	30	0.3		.001	
190.0 - 190.5 - as above			0.5	5634	100	40.6		.003	
190.5 - 191.0 - gtz flooded vblc/arg(?) bxa as described p 16 3% py			0.5	5635	370	2.9		.011	1.0m, .017
191.0 - 191.5 - as above			0.5	5636	790	2.8		.023	

PAGE 18 OF 27		PROJECT: Engineer					HOLE No. 87-101				
D - (METRES)	% Core Recy	LITHOLOGY	STRUCTURE	GEOLOGICAL DESCRIPTION	ALTERATION					FRACT INTENSITY	
					Sr A	Carb B	Hf/ls C	CHI D	E		
192		L - arg/volc (?)		190.5-193.7 Labarge Gp. (cont)							
193				(191.5-193.7) yellowish to grn-grey volc/arg(?) Abundant fractures filled w/ dk grn chlorite (1-2 mm width) cut by later translucent white stegs that are randomly orientated + .2 to 4.0 cm wide. Qtz is ~20% of core. 34% diss py except in bottom .6 m (which also lacks abundant stegs.)							
194											
195		Qtz vein		193.7-199.4 Qtz Vein							
196				(193.7-195.1) - volc/arg(?) bxa in grey translucent Qtz. Angular to sub-angular, yellowish to grey frags generally < 1 cm dia floating (though locally touching) in Qtz. Bxa dominates core (~80%). Local ~cutting white + translucent grey stegs. 2-4% diss py H.W. contact @ 20° to C.A.							
197				(195.1-196.9) - white Qtz w/ minor translucent grey Qtz is locally abundant large "clasts" of yellowish to grey volc/arg(?). might also be described as intensely Qtz flooded Labarge. Qtz is ~80% of core in upper .95 m, but only 60-70% of core in lower .3 m. 2-3% f.s. → c.s. py in patches + fractures. Some is silvery = mudstone → possible aspy?							
198				(196.9-199.4) - white Qtz w/ rounded sub angular argillite bxa. Clasts generally 1 cm or less, locally @ 197.4-197.8 they are angular + up to 5 cm length. Influx of grey Qtz w/ rounded arg. + Qtz clasts (< 1 cm dia) @ 198.1 → 198.9. Scattered small drusy vugs locally large (5 cm length) in white Qtz. Local translucent Qtz clasts in white Qtz. Local 1-2% py on fractures + in grey Qtz. F.W. contact @ 15° to C.A.							
199											
200											

MINERALIZATION DESCRIPTION	TOTAL SULPHIDE	INTERVAL	WIDTH	ASSAY NUMBER	% Au ppb	% Ag ppm	%	Au oz/ton	COMPOSITE ASSAY
191.5 - 192.0 - gtz starts in fractured volc/arg? as described p18 3-4% py			0.5	5637	1600	4.7		.047	1.1m, .054
192.0 - 192.5 - as above			0.5	5638	2100	4.6		.061	
192.5 - 193.1 - as above			0.5	5639	380	29.7		.011	
193.7 - 194.2 - volc/arg(?) breccia in translucent gtz as described p18 2-4% py			0.5	5640	80	3.2		.002	5.7m, .009
194.2 - 194.7 - as above			0.5	5641	180	3.8		.005	
194.7 - 195.1 - as above			0.5	5642	170	3.5		.005	
195.1 - 195.6 - white gtz w local volc/ arg breccia 2% py, 86% gtz			0.5	5643	280	2.3		.008	
195.6 - 196.05 - as above			0.45	5644	230	4.6		.007	
196.05 - 196.5 - gtz + volc arg(?) breccia, 60% gtz 2% py			0.45	5645	400	2.5		.012	
196.5 - 197.0 - as above but ~70% gtz 3% ox → py + possible aspy			0.5	5646	1100	3.0		.032	
197.0 - 197.5 - white gtz w arg breccia as described p18 trace ox			0.5	5647	620	1.0		.018	
197.5 - 198.0 - as above w local large clasts			0.5	5648	100	1.0		.003	
198.0 - 198.5 - 75% grey gtz as described p18 w 25% white gtz 1-2% py			0.5	5649	320	6.4		.009	
198.5 - 199.0 - translucent grey (60%) + white (40%) gtz 1% py on fractures			0.5	5650	300	17.9		.009	
199.0 - 199.5 - white gtz w breccia			0.5	5501	700	10.9		.020	

DE (METRES)	% Core Recy	LITHOLOGY	STRUCTURE	GEOLOGICAL DESCRIPTION	ALTERATION					FRACT INTENSITY	metamorphite
					Si A	carb B	HfIs C	chl D	Ser E		
200		L-arg/volc		199.4-202.2 Labarge Gp. - yellowish green w/ dk grn/bllk patches - bands abundant fine fractures. Possibly mixed argillite + volc material. Slight to mod. Si. white gtz strgs - fracture fillings < 1 cm width occur ~ 15/30 cm. Local 2-3% py assoc. w/ gtz strgs.							
201				(199.4-202.0) - gtz flooded + brecciated core. mod to i Si, white + translucent. gtz fills fractures comprising ~ 30-40% of core 1-4% py.							
202											
203		Intrusive		202.2-203.6 Intrusive? F.g. volc? - pale green f.g. grnd mass w/ small (1 mm or less) bllk specks. Small, pale (not all that visible) grn-white feldspar(?) xls. that have altr to sericite. 4% m.g. diss py and f.g. py in fractures. Minor (~1/20 cm) white gtz strgs. Strgs commonly @ 30° to C.A. HW contact @ ~10° to C.A. - not well defined FW contact is sharp @ 15° to C.A.							
204											
205											
206		L-arg/volc		203.6-207.0 Labarge Gp - bllk w/ greenish grey streaks (seen ± to C.A.) comprising ~ 30-60% core (abundance in- creases down section). Weaks to mod indurated (2 mm or less) fine white gtz strgs occurring ~ 15-20/30 cm.							
207				207.0-207.6 Intrusive? Volc? - as described 202.2-203.6 m							
208				207.6-213.4 Labarge Gp (207.6-209.1) - as described in 203.6-207.0 m (209.1-210.2) - brn/ grn-grey + lesser bllk arg/volc(?). Weaks induration. Minor gtz fracture fillings except in lower .5m which is gtz flooded (possible vein?) 10% py locally in 5mm width strgs @ low angle to C.A. above gtz flooding/vein.							
209		L-arg/volc									
210											

PAGE 22 OF 27			PROJECT: Engineer		HOLE No. 87-101							
DE (METRES)	% Core Recy	LITHOLOGY	STRUCTURE	GEOLOGICAL DESCRIPTION	ALTERATION					FRACT INTENSITY		
					Si A	B	Hfs C	Chl D	Ser E			
210		L-arg		207.6-211.1 Labarge Gp (cont.) (210.2-211.1) - greenish grey to 10-20% blk swirls. Abundant fine fractures (>40/30cm) filled w translucent grey gtz + chl. (?)								
213.5		L-arg		211.1-211.3 Intrusive. - pale gfn to locally white; similar to that described in 202.2-203.6 but c.g. cut by abundant translucent white gtz. 1-2% diss py.								
217				211.3-213.4 Labarge Gp as described 210.2-211.1 but fractures are filled to white gtz.								
220.5				213.4-213.8 Intrusive. - c.g. pale gfn (similar to previous intrusives) 2% diss py. Abundant fine translucent gtz stgs. ~ 30/30cm. Upper contact irregular @ low \angle to C.A. Lower contact @ 35° to C.A.								
224		L-arg		213.8-232.9 Labarge Gp Greenish-grey + lesser blk argillite, mottled to swirled. Mod. hfs. Fine white gtz stgs 1-2mm wide, locally up to 6cm. (described under mineralization) 10-20 fine gtz stgs / 30cm. Local patches of fs py (225.0-225.5) - slightly broken core 4% fs py in elongate patches (226.7-227.2) slightly broken core (232.3-232.9) i - hfs.								
227.5				232.9-232.3 Feldspar porphyry dyke - med. grey, mag. gnd mass is abundant Feldspar (?) xls 1-3mm dia which are alt'd to pale gfn + whitish sericite. Intense Si. Abundant white gtz stgs 1-2mm width. ~ 20-25 stgs / 30cm. HW contact @ 55° to C.A. FW contact @ 30° to C.A.								
231												
234.5												
238												

DEPTH (METRES)	% Core Recy	LITHOLOGY	STRUCTURE	GEOLOGICAL DESCRIPTION	ALTERATION					FRACT INTENSITY	clay alter	graph
					Si A	Car B	Hfs C	Ch D	E			
238				237.3 - 272.3 Labarge Gp. (237.3 - 263.9) greenish grey + lesser blk argillite, mottled to mottled texture. Fine (1-2mm) white gtz argss. 10-20 argss / 30 cm. Local 1-2 cm wide argss.								
242				(237.3 - 238.8) light grey w/ local minor blk patches. Intense - hfs. Local white gtz argss < 5% of core to local gtm altv "halos" abrupt lower contact (2 35° to c.a. (hardness may also be i - Si.)								
246				(253.4 - 258.4) - badly broken core, intense clay altv in 40% of core (258.9 - 259.5) mod. broken core local mod clay altv								
250				(259.8 - 260.5) slightly broken core to mod clay altv. badly broken core in last 10 cm. (260.5 - 261.6) i - Si, intensely fractured but not broken to abundant white + light grey gtz in fractures. 1% to locally 4% py in areas of strong gtz.								
254				(262.6 - 263.3) badly broken, slight to local mod. clay altv (263.6 - 263.9) slightly broken + slight clay altv in fractures.								
258				(263.9 - 265.7) gtz flooded + brecciated. i - Si w/ grey gtz and white gtz in abundant fractures. Local graphite + slight clay altv (263.7 → 264.1, 264.4 - 264.7 and 265.2 → 265.6 (also slightly broken). Local slight carb altv local 1-2% py								
262				265.7 - 272.3 - fault bre zone. Dominantly blk argillite, highly fractured to ~ 10% white gtz in fractures. Core is slight to badly broken to local mod - i clay altv + brecciated throughout. Intense gtz flooding in lower 1.1 m. (possibly part of vein?)								
266												
270												

PAGE 26 OF 27			PROJECT: Engineer					HOLE No.			
DEPTH (METRES)	% Core Recy	LITHOLOGY	STRUCTURE	GEOLOGICAL DESCRIPTION	ALTERATION					FRACT INTENSITY	clay alt
					Si A	CaB B	HfIs C	D	E		
270				272.3-272.6 Qtz Veinlet. - white Qtz in abundant blk argillite bxa. clasts sub angular, generally 1.5 cm in length + elongate very fine pale yellow carb (?) fractures cut everything ≤ 1% py locally in clasts. H.W @ 15° to C.A., F.W @ 30° to C.A. Both contacts next to i-clay alt argillite.							
275				272.6-291.4 Lateral Gp. dk grey to blk argillite in local bags + grn to yellow alt patches (≤ 3 cm wide) moderate to generally strong hfIs. Fine white Qtz aggs throughout ~ 10-20/30cm (273.5-274.4) - translucent grey + white Qtz flooding (low angle vein?) + bxd argillite. Abundant small fractures cut core. A stronger fracture running sub // to C.A. splits core in half through section ≤ 1% py							
280				(274.6-275.0) - badly broken, mod-i clay alt. 3% py in patches. (275.4-277.7) mod broken to local mod clay alt throughout. (280.7-281.1) - slight to mod. broken, local mod. clay alt (282.1-283.9) - slightly broken, slight to mod clay alt on fracture surfaces (283.3-283.4) slight broken as above (289.7-290.0) mod. broken to mod clay alt on fractures + local i-clay alt in center of interval							
285											
290				E.O.H (291.4 m.)							

ERICKSON GOLD MINING CORP.

MINERALS SECTION

DRILL LOG

PROJECT <i>ENGINEER</i>		GROUND ELEV. 802.00 m																					
HOLE No. <i>87-102</i>		BEARING <i>250°</i>																					
LOCATION N 4067.47 E 3393.95		DIP -55																					
LOGGED BY <i>H. SMIT</i>		TOTAL LENGTH 319.7 m																					
DATE <i>SEPT 17/87 TO SEPT 23/87</i>		HORIZONTAL PROJECT <i>194.15m</i>																					
CONTRACTOR <i>CONNERS</i>		VERTICAL PROJECT <i>253.89m.</i>																					
CORE SIZE <i>NQ</i>		ALTERATION SCALE 																					
DATE STARTED <i>SEPT 15/87</i>		TOTAL SULPHIDE SCALE																					
DATE COMPLETED <i>SEPT 20/87</i>																							
DIP TESTS <table border="1"> <thead> <tr> <th>DIP</th> <th>DEPTH</th> <th>DIP</th> <th>DEPTH</th> </tr> </thead> <tbody> <tr> <td>32.3</td> <td>-54.5</td> <td>252°</td> <td>291.4</td> </tr> <tr> <td>129.8</td> <td>-53.0</td> <td>249°</td> <td>-51.0</td> </tr> <tr> <td>196.9</td> <td>-52.0</td> <td>248°</td> <td>253°</td> </tr> <tr> <td>206.0</td> <td>-51.5</td> <td>250°</td> <td></td> </tr> </tbody> </table>		DIP	DEPTH	DIP	DEPTH	32.3	-54.5	252°	291.4	129.8	-53.0	249°	-51.0	196.9	-52.0	248°	253°	206.0	-51.5	250°			
DIP	DEPTH	DIP	DEPTH																				
32.3	-54.5	252°	291.4																				
129.8	-53.0	249°	-51.0																				
196.9	-52.0	248°	253°																				
206.0	-51.5	250°																					
COMMENTS		LEGEND																					
INTERSECTIONS: 42.6 - 43.6 QV ARG FRAGS, VUGS, 1% PY (1.0m) @ 0.003 oz/tm Au 207.8 - 208.9 QV ARG FRAGS, VUGS, 1% PY (1.1m) @ 0.001 oz/tm Au. 232.3 - 232.7 QV MINOR VUGS; 10% ARG FRAGS; (0.4m) MINOR PY, Tr - Tetra. @ 0.005 oz/tm Au. 243.1 - 243.5 QV WH; GRAY QTZ; 40% ARG FRAGS; (0.4m) MINOR VUGS; < 1% PY IN FRAGS @ 0.007 oz/tm Au 257.8 - 281.9 BRXX/ALT/ VEIN ZONE (24.1m) MIXED I-S: BRXX; SI FLOODING; GSTES; QTZ VUGS SHEAR 'A'																							

DEPTH (METRES)	% Core Recy	LITHOLOGY	STRUCTURE	GEOLOGICAL DESCRIPTION	ALTERATION					FRACT INTENSITY	K	HPLS
					S _i	D	CL	T	Ser			
A	B	C	D	E								
0				0-3.3	OVERBURDEN							
				3.3-42.6	ARGILLITE							
				- DARK GREY TO BLACK; BEDDING								
				OCCASSIONALLY VISIBLE AT HIGH \angle TO								
				C.A.; BEDS 2 TO 20 MM, VARYING								
				IN COLOR; DISCONTINUOUS STRS AND								
				PATCHES OF LIGHT IRREGULAR CALCAR-								
				EOUS FLOODING (~10% OF CORE,								
				DECREASING TO ~5% DOWN HOLE);								
				CALC. FLOODING SOMETIMES ASSOC								
				W PERVASIVE WEAK CHL. GIVING A								
				GREENISH COLOR TO ROCK; OCCASS-								
				AL BANDS UP TO 5CM W 3 TO 5%								
				DISS. PY IN ARG; PY TENDS								
				TO BE ANITEDRAL, < 1MM;								
				CORE BLOCKY WITH MINOR								
				CLAY-CALC-CHL-IRON STAIN ON								
				FRACTURES; FRACTURES TEND TO								
				BE EVERY 5 TO 20CM BUT								
				ZONES UP TO 1M W BROKEN								
				CORE (~1/5M); CORE HARD TO								
				EXTREMELY HARD (MOD HORNFEELS)								
				5.6-6.4M DYKE; FELD PPY								
				- GREY-GREEN GROUND MASS W								
				20% UP TO 5MM GREENISH								
				REZIC FELD PHENO'S; PHENO'S								
				TEND TO HAVE A WHITISH HALO								
				AROUND THEM (SERIC?); CONTACT								
				AT ~90° TO C.A.; 2% FINELY								
				DISS. PY; CORE BROKEN; FRACTURES								
				WEATHERED; 5CM OF 3% DISS								
				PY IN FW; OTHERWISE LITTLE								
				ALT OF ARG. VISIBLE								
				17.6-17.9								
				- 2CM QTZ-CARB STR AT 5 TO 10° TO								
				C.A.; INTERGROWN CLEAR QTZ								
				; MILKY CALCITE; BAND OF								

MINERALIZATION DESCRIPTION	TOTAL SULPHIDE	INTERVAL	WIDTH	ASSAY NUMBER	% Au ppb	% Ag ppm	%	Au oz/tm	COMPOSITE ASSAYS
17.6-17.9 2cm QTZ-CARB STR AT LOW 2 TO LA PLUS W.R.; SEE DESCIP. OPPOSITE			0.3	5517	20	1.7		.001	

PAGE 4 OF 42		PROJECT: ENGINEER					HOLE No. 87-102					
DEPTH (METRES)	% Core Recy	LITHOLOGY	STRUCTURE	GEOLOGICAL DESCRIPTION	ALTERATION					FRACT INTENSITY	K	HAB
					Si A	D B	Chl C	Ta D	Se E			
				17.6-17.9 QTZ-CAND STR (CONT.)								
				ARG w i-PY in center of STR; 1 CM OF i-PY in HW; MOTTLED BROWN-GREEN FLOODING FOR 5 CM in HW; Fw only WEAKLY ALT ^D w PALER color DEVELOPED in ARG. FOR 5 TO 10 CM.								
20			SLICKS 85° PITCH	20.7 SLIP w CALC-CHL-PY IN 2MM BAND w SLICKS PITCHING ~85°								
	100% →	ARG →	BED 60° TO C.A.	27.8M DISTINCT BEDDING @ 60° TO C.A.; 1 TO 8 MM BEDS VARYING IN COLOR FROM LIGHT GREENISH-GREY TO DARK GREY; ALL FINE GRAINED (SLST-ARG); MINOR CROSS-CUTTING 1MM CAL. STRS IN VARIOUS DIRECTIONS								
30	←	←		40.5-42.6 ALT ² ZONE; BROWNISH-GREY ALT ² IN PATCHES AND IRREGULAR LAYERS ASSOC. w QTZ-FLOODING, GENERALLY WEAK FOLIAT ² OUTLINED AT 30 TO 40° TO C.A. (m-Si-T-Se?); 0.5 TO 4 CM QSTRS AT 30 TO 40° TO C.A. FROM 40.8 to 41.4M; 3% PY DISS in ARG AND w in Si FLOODED AREAS; VERY MINOR pyhro.; MINOR CHL in LAST 1.0M. OF INTERVAL								
40			Fol. 30 to 40° TO C.A.									
50												

PAGE 8		OF 42		PROJECT: ENGINEER					HOLE No. 87-102				
DEPTH (METRES)	% Core Recy	LITHOLOGY	STRUCTURE	GEOLOGICAL DESCRIPTION	ALTERATION					FRACT INTENSITY			
					Si A	D B	CHI C	T D	Se E				
46				43.6-154.8 ARGILLITE (CONT.)									
				45.6-47.5 WEAK LIGHT GREY-GREEN ALT ² IN IRREGULAR PATCHES AND DISCONTINUOUS BANDS; ~ 2 /M < 1cm QSTRS ; 2 TO 4 % PY, FINELY DISS ¹ IN < 2mm STRS ; WEAK-CE IN IRREGULAR UP TO 2cm WHITISH PATCHES ; ROCK MODERATELY HARD									
47				47.5-48.1 QSTR / FLOODING ZONE ; SEE DESCIP. OPPOSITE									
	100 % →	ARG →											
48	←	←		48.1-154.8 ARGILLITE WITH SOME POSSIBLE TUFF BEDS; MED TO DARK GREY WITH ~5% LIGHTER GREY TO GREY-GREEN ALT ² PATCHES AND BANDS ; ARG IS MASSIVE TO OCCASSIONALLY BEDDED ; CORE MODERATELY HARD (SCRATCHES), > 20cm LENGTHS COMMON ; ALT ² CONSISTS OF IRREGULAR PATCHES AND UP TO 10cm BANDS OF PERVASIVE Si ± Cc ± T ± Se ± CHI ± PY ; Cc-CHI-T-PY ON FRACTURES; FRACTURES ; BANDING TENDS TO BE AT MOD. L TO C.A. ; RARE UP TO 1cm QTZ ± Cc STRS ; 2% , LOCALLY 5% PY OVERALL IN FRACTURES, ALT ² PATCHES AND FINELY DISS. IN ARG.									
49													

PAGE 10		OF 42		PROJECT: ENGINEER					HOLE No. 87-102				
DEPTH (METRES)	% Core Recy	LITHOLOGY	STRUCTURE	GEOLOGICAL DESCRIPTION	ALTERATION					FRACT INTENSITY	K	HPS	
					S _i A	D B	CH C	T D	Se E				
80				43.6-154.8 ARGILLITE (CONT)									
				77.5m) BEDDING AT 85° TO C.A. ; UP TO 1cm GREEN & GREY BANDS									
				79.0m) WHAT APPEARS TO BE BEDDING @ 45° TO C.A (COAR BANDING)									
				(80.2-92.6) CORE HARDER; OFTEN DOESN'T SCRATCH;									
90				UP TO 7% FINELY DISS. PY; WEAK FOLC OUTLINED BY DARKER & LIGHTER COLOR AT 40 TO 50° TO C.A. ; STILL IRREGULAR PATCHES OF Ce- QTZ ALT. (45% OF ROCK)									
	↑ 100 %			(92.6-98.0) 40.5mm BLACK SPECKS (NON-MAGNETIC) IN CORE COMPRISING ~ 5 TO 10 % OF ROCK; POSSIBLE TUFF?									
100	↓			94.0) 5cm BAND W 770% PYHRD. AT 30° TO C.A. ; TRACE PD AFTER									
				103.1) BEDDING @ 50 TO 60° TO C.A.									
				(114.1-114.4) CORE MOD. BROKEN									
				(123.0-123.7) BRXX ZONE; 60% ANG ARG FRAGS IN A SILICEOUS, PYRITIC MATRIX;									
120				CONTACTS NOT WELL PRESERVED BUT APPEAR TO BE AT MOD. < TO C.A. ; CORE GROUND									
				(125.0-125.3) FAULT GOUGE; 111									
				m-K ; CORE IN SMALL PIECES									
				126.0) 3cm WHITE QSTR @ 50° TO C.A. ; 4cm OF l-Si, py in Fw									
130													

DEPTH (METRES)	% Core Recy	LITHOLOGY	STRUCTURE	GEOLOGICAL DESCRIPTION	ALTERATION					FRACT INTENSITY		
					S A	D B	CHIT C	D D	Se E			
156		↑ ARG.		43.6-154.8 ARGILLITE (CONT.) (137.0-154.8) CONT. (144.4-144.6) QSTR; UPPER CONTACT @ 60° TO C.A.; LOWER CONTACT IRREGULAR;								
154		* DYKE										
158	100 %	* ARG		154.8-158.9 DYKE; ~ DIORITE MED GRAINED TO FINE GRAINED MATRIX w FELD PHENOS; GREEN ISH GREY; MAFICS CHLORITIZED, INDISTINCT; FELD SERITIZED; 2% DISS PY, Tr. MAGNETITE; CONTACTS @ 80° TO C.A.								
162		* DYKE		158.9-161.4 ARGILLITE DARK GREY TO BROWNISH-GREY ALONG CONTACTS w DYKES; MINOR TALC IN FRACTURES; BLOCKY; SCRATCHES EASILY								
163		* ARG		161.4-163.0 DYKE DIORITE - GREENISH GREY TO LIGHT GREEN; INTENSIVELY ALT ^D ; APHAN- ITIC GROUND MASS w 30% UP TO 3MM WHITE TO CLEAR-GREY PHENOS (FELD?)								
164		← ARG										

PAGE 16 OF 42		PROJECT: ENGINEER					HOLE No. 87-102				
DE (METRES)	% Core Recy	LITHOLOGY	STRUCTURE	GEOLOGICAL DESCRIPTION	ALTERATION					FRACT INTENSITY	Ep
					S A	D B	Ch C	T D	Se E		
162		↑ DYKE		161.4-163.0 DYKE (CONT.) - 3 to 5 % DISS PY; ESP w THE PHENO'S; COULD BE HIGHLY ALT ^d DYKE SIMILAR TO PREVIOUS ONE; CONTACTS IRREGULAR, UPPER AT ~70° TO C.A.; LOWER AT ~30° TO C.A.							
163		* ARG.		163.0-170.1 ARGILLITE - DARK GREY TO MED GREY w BLACK 4MM SPECKS; ALT ^d TO GREENISH GREY IN IRREGULAR PATCHES; ESPEC- IALLY FOR 1.0M BEFORE LOWER DYKE CONTACT; MINOR (~2/M) < 0.5CM QSTRS @ MOD TO HIGH L'S TO C.A.; 2 % FINELY DISS. PY, TR PØ; 2/CM BANDS/BANDS ~188M SHOW SOME SMALL SCALE FOLDING;							
170	100 %	* DYKE		170.1-175.1 DYKE DIORITE-FELD PPY - APPLE-GREEN MATRIX (i- EPID?) w CLEAR-GREY TO WHITE PHENO'S UP TO 5MM LONG; MATRIX APHOW, PHENO'S ~20%; VERY-i ALT ^d ; 3 TO 5 % DISS. CUBIC PY; HARD TO FAIRLY EASY TO SCRATCH; MINOR < 2MM QTZ-STRINGERS (CLEAR-GREY); CONTACTS @ 75° (UPPER); 60° (LOWER) TO C.A.; 3 SMALL QSTRS NEAR LOWER CONTACT							
175		↓ DYKE									

PAGE 18 OF 42		PROJECT: ENGINEER		HOLE No. 87-102												
DE. (METRES)	% Core Recy	LITHOLOGY	STRUCTURE	GEOLOGICAL DESCRIPTION	ALTERATION					FRACT INTENSITY						
					S A	D B	CHI C	T D	Se E							
175				175.1-207.8 ARGILLITE - DARK GREY TO BLACK; QUITE MOTTLED IN APPEARANCE; BEDDING GENERALLY INDISTINCT; LIGHTER GREY-BROWN ALT ^x ALONG FRACT- URES; STRINGERS AND IRREGULAR PATCHES; WEAK CRACKLE BRK W BLACK <0.5mm LINES IN DARK GREY ROCK; MOD ABUNDANCE OF GREY Si-Cc [±] Chi? K? T? STRS ; ALT ^x BANDS, (~2/m, up to 10 cm across); AT VARYING L'S TO C.A.; OCCASSIONAL PURPLISH- BROWN TINGE TO CORE; MINOR (~1/5m) 0.5 to 7cm WHITE QTR ± Cc STRS.; CORE HARD (SCRATCHES SLIGHTLY) TO OCCASSIONALLY VERY HARD; CORE FREQUENTLY IN >20 cm LENGTHS												
180	← 100 % →	← ARG →		(175.1-177.5) MOTTLED GREY AND TAN-BROWN; M-Si-T-Se? ALT ^x ; 5% ORSS PYRITE; BRK APPEARANCE TO CORE BUT LIKELY DUE TO ALT ^x (181.9-182.2) 7cm QSTR @ 30° TO C.A.												
185																
190				(182.2-182.9) 3 1 to 4cm QSTRS @ ~30° TO C.A. (190.6-190.8) 0.5 to 3cm BEDS @ ~70° TO C.A.; SOME BEDS F.B. SST; SAND SED DEP ² - FINE SEDIMENT MICRO-FAULTS; TOPS UPWARDS												
195																

MINERALIZATION DESCRIPTION	TOTAL SULPHIDE	INTERVAL	WIDTH	ASSAY NUMBER	% Au ppb	% Ag ppm	%	Au oz /ton	COMPOSITE ASSAY
181.9-182.2 QSTR + W.R.			0.3	5536	400	5.1		.012	
7cm OSTR, WH. QTR W SOME MOTTLED GREY QTR; 10% ARG FRAGS;									
2cm BAND OF U-PY in HW									
FW; MINOR SX IN STR WITHIN ARG FRAGS									1.0m, .013
182.7-182.9 WH QSTRS IN ARG; TRACE PY			0.7	5537	480	3.3		.013	

PAGE 20 OF 42		PROJECT: ENGINEER			HOLE No. 87-102								
DE (METRES)	% Core Recy	LITHOLOGY	STRUCTURE	GEOLOGICAL DESCRIPTION	ALTERATION					FRACT INTENSITY			
					Si A	D B	CH C	T D	Sc E				
206		↑		175.1-207.8 ARGILLITE (CONT.)									
				195.4m) 3cm Si-Cc-CH(?)									
				ALTO BAND @ LOW ; VARYING									
				< TO C.A. ; MINOR DISS. PØ.									
				(200.2-201.4) i-Si-Cc-T ALTO;									
				CORE TAN-BROWN; ABNT WHITE									
				TO GREY QZ BANDS / STRS (50									
204				TO 90% QZ AS PERVASIVE									
				FLOODING; ALTO BANDS AT									
				VARYING 2'S TO C.A.									
				(203.4-204.3) m-Cc ; CORE									
				GREY									
				(204.3-207.0) m-Si-T(?) ALTO;									
				w-Carb ; CORE TAN COLORED;									
206				NO ABUNDANCE OF 2cm QZ STRS									
				(~31m) 2% DISS. PY									
				(207.0-207.8) i-S. ALTO;									
				30 TO 40% WHITE TO GREY QZ									
				AS PERVASIVE FLOODING ; UP TO 4cm									
				STRS @ 40 TO 50° TO C.A. ; SOME									
				STRS IN VUGS; ARE PARTS TAN									
				COLORED									
207				207.8-208.9 QUARTZ VEIN (1.1m)									
				-CONTACTS IRREGULAR ; UPPER									
				@ ~35° TO C.A. ; LOWER @ ~									
				25° TO C.A. ; SEE DESCRIP.									
				OPPOSITE.									
209													

MINERALIZATION DESCRIPTION	TOTAL SULPHIDE	INTERVAL	WIDTH	ASSAY NUMBER	% Au ppb	% Ag ppm	%	Am oz/tm	COMPOSITE ASSAY
200.2-200.7 i-ALT ^o ARG + GREY TO WHITE QSTRS; ~20% QTZ; <1% PY			0.5	5538	80	1.1		.002	
201.0-201.2 i-ALT ^o ARG + QTZ FLOODING/STRS; ~50% QTZ			0.2	5539	10	0.8		tr	
207.0-207.3 i-Si; ALT ^o ; QSTR; <1% PY			0.3	5540	140	0.9		.004	} 0.8m, .004
207.3-207.8 i-Si; 40% Si AS PERVASIVE FLOODING; QSTRS; VUGS & PY INSIDE; 1% PY OVERALL			0.5	5541	130	0.4		.004	
207.8-208.9 Qy (1.1m) 60% ARG. ARG. FRAGS UP TO 6CM LONG IN WHITE TO GREY QTZ; M-VUGS, SOME COMPLETED X-CUTTING CORO; Talc-Ce ⁺ PY IN VUGS ON QTZ-VUGS; <1% PY OVERALL		207.8- 208.4 208.4- 208.9	0.6	5542	35	0.3		.001	} 1.1m, .001
			0.5	5543	10	0.5		tr	

DE. (METRES)	% Core Recy	LITHOLOGY	STRUCTURE	GEOLOGICAL DESCRIPTION	ALTERATION					FRACT INTENSITY	K
					S A	D B	Ch C	T D	Se E		
205				208.9-2323 ARGILLITE BLACK TO GREY; COMMON (~ 1/10cm) < 2mm TAN BANDS; FRACT. CONTING (T-K?) @ MOD TO HIGH L'S TO C.A.; m - INTENSITY OF GROUND < 3mm CC STRS, MOSTLY IN FRACT.; CORE MOSTLY SCRATCHES FAIRLY EASY; > 20cm LENGTH NOT COMMON; MOSTLY 5 to 10cm LENGTHS							
210				(208.9-209.2) m-Si-T? ALT?; 5cm QSTR							
				(212.1-212.4) CORE CRUMBLY; m-Si-Cc-T(?)							
				(213.7-213.9) m-K-T; CORE GROUND							
215				(214.7-216.7) i-Si FLOODING ! QSTRS; 40% WHITE QTZ IN UP TO 5cm QSTRS @ LOW TO HIGH L'S TO C.A., CROSSCUTTING; ARG FRAGS; VULS; ALSO ZONES OF i-Si FLOODING IN ARG; LOW L STRS CUT BY MICRO- FAULTS WHICH TEND TO BE AT MOD TO HIGH L TO C.A.; LOW L STRUCTURES PREDOMINATE OVER HGH L ONES							
220				(217.8-218.1) CORE BROKEN; m-T-K							
				(221.3-221.7) i-Si; AS PERVASIVE WHITE TO GREY QTZ; ARG APPEARS BRECCIATED BUT MAY JUST BE FRACT.; ALT?; 2% VERY FINE GR. PY							
225											

MINERALIZATION DESCRIPTION	TOTAL SULPHIDE	INTERVAL	WIDTH	ASSAY NUMBER	% Au ppb	% Ag ppm	%	Au oz/ton	COMPOSITE ASSAY
208.9 - 209.2 m-ALT ² ARG + 5cm QSTR 1, Tr-py.			0.3	5544	5	0.4		tr	
214.7 - 216.7 i-S: Flooding; QSTRS in ARG. ; 1% PY, VERY F.G. w/ 5mm BANDS; FRACTURES + MINOR WITHIN VUGS.			0.5	5545	60	0.6		.002	
215.2 - 215.7 40% "			0.5	5546	180	0.9		.005	} 2.0m, .003
215.7 - 216.2 30% "			0.5	5547	150	0.8		.004	
216.2 - 216.7 40% "			0.5	5548	20	1.0		.001	
221.3 - 221.7 i-S: ALT ² ; 2% PY			0.4	5549	50	1.0		.001	

PAGE 24 OF 42		PROJECT: ENGINEER					HOLE No. 87-102					
DE (METRES)	% Core Recy	LITHOLOGY	STRUCTURE	GEOLOGICAL DESCRIPTION	ALTERATION					FRACT INTENSITY		
					S A	D B	Ch C	T D	Se E			
		↑		208.9-232.9 ARGILLITE (CONT.)								
				225.9m) 0.5 to 2cm GREY ;								
				BLACK BEDS @ 40° TO C.A. ;								
				COLOR NOT ALWAYS CONTINUOUS								
				IN ONE BED SUGGESTING COLOR								
				DUE TO, OR AFFECTED BY, POST-								
				DEPOSITIONAL FACTORS								
232		ARG		232.3-232.7 QUARTZ VEIN 0.4m								
				- UPPER CONTACT @ 40° TO C.A. ;								
				LOWER @ 50° TO C.A.								
		* QV *										
233				232.7-243.1 ARGILLITE								
				UNALYD DARK GREY TO BLACK;								
				ALT TO TAN OR LIGHTER GREY;								
				~40% OF INTERVAL ALT ² ;								
				BEDDING @ MOD. L TO C.A. WHERE								
				VISIBLE; MOD ABUNDANCE OF								
				UP TO 6 CM QSTRS (~ 3/m)								
		ARG.		(232.7- 233.0) w-Si-T(?)								
				ALT [±] ; Tr-PY								
234				(233.0- 233.5) 40% UP TO								
				5cm QSTRS @ 20 TO 40° TO								
				C.A. ; m-Si Arg BETWEEN;								
				MINOR W.R. FRAGS IN STRS.								
				(235.0-235.4) i-Si-T(?)								
				CORE LIGHT GREY ; 5%								
				VERY FINE GRAINED PY IN								
				IRREGULAR PATCHES								
235		↓										

DEPTH (METRES)	% Core Recy	LITHOLOGY	STRUCTURE	GEOLOGICAL DESCRIPTION	ALTERATION					FRACT INTENSITY		
					S A	D B	CH C	T D	SE E			
238		95%		232.7-243.1 ARGILLITE (CONT.)								
				(238.4-238.5) QSTR; 0.1m, @ 45° to C.A.; WHITE & CLEAR QTZ; QTZ FRAGS; 10% W.R. FRAGS; TAIL IN FRACTURES; TR PY IN ARG. FRAGS.								
242		ARG		(239.4-239.9) L-Si, COAR MOTTLED DARK GREY-BLACK; Si PERVASIVE								
				(242.3-242.5) 3-1 to 4m QSTRS; 2@ 70° to C.A.; 1@ 45° to C.A.; 1cm PY IRON BAND ALONG FW OF LOWER STR.								
				(242.5-243.1) 4% PY, VERY F.G. ALONG FRACTURES.								
243	100% →	*		243.1-243.5 QUARTZ VEIN (0.4m) - CONTACTS @ 30° to C.A.								
	←	QV										
243.5		*		243.5-257.8 ARGILLITE								
		ARG		DARK GREY TO MOSTLY BLACK; BEDDING OCCASIONALLY VISIBLE; ~ 15% ALTERED TO TAN - BROWN COLOR; WHITE TO TAN Si ± Cc ± T common on FRACTURES; CORE SCRATCHES; > 20cm PIECES common.								

MINERALIZATION DESCRIPTION	TOTAL SULPHIDE	INTERVAL	WIDTH	ASSAY NUMBER	% Au ppb	% Ag ppm	%	Au oz/ton	COMPOSITE ASSAY
238.4-238.5 QSTR (0.1m) - SEE DESCIP. OPPOSITE			0.1	4004	10	0.3		tr	
239.4-239.9 i-si, 2% DISS. PY			0.5	4005	170	2.3		.005	
242.3-242.5 QSTRS IN ARG; 5% PY, DISS IN ARG; IN BANDS IN FW OF LOWER STR.			0.4	4006	140	2.6		.004	1.0m, .003
242.5-243.1 4% VERY F.G. PY ALONG FRAGT.			0.6	4007	65	2.3		.002	
243.1-243.5 QV (0.4m) UPPER PART WHITE; CLEAN QTZ + 40% ARG FRAGS; LOWER HALF DARKER GREY QTZ; 60% ARG FRAGS; UPPER PART SHOWS > 5cm QTZ FRAGS W/ LATER QTZ SURROUNDING; MINOR < 0.5cm VUGS; 41% DISS PY IN ARG FRAGS			0.4	4008	250	87.3		.007	

DE (METRES)	% Core Recy	LITHOLOGY	STRUCTURE	GEOLOGICAL DESCRIPTION	ALTERATION					FRACT INTENSITY		
					S A	D B	Ch C	T D	Se E			
244				243.5-257.8 ARGILLITE (CONT.)	///							
				(244.0-244.2) QSTR-PY ZONE, 20% IRREGULAR < 2cm QSTRS, WEAK BRECCIATION w PY-S; IN MATRIX IN IRREGULAR UP TO 3cm ZONES; ~10% VERY F.G. PY OVERALL								
246				(246.4-246.65) QSTR-PY ZONE w BANDS OF F.G. PY UP TO 2cm ACROSS (50% PY, 50% ARG), THEN WEAK BRKY ZONE w WHITE QTZ MATRIX (20% QTZ)								
				(246.9-247.0) CORE IN 1cm BITS; VERY CRUMBLY								
248	100% →	→ ARG		(247.7-248.1) 10cm of 40% wk QTZ, 60% ARG. ARG FRAGS FOLLOWED BY 20cm to 10% PY IN IRREGULAR PATCHES ALONG FRACTURES; THEN 10cm to 30% QTZ; 70% ARG to ~3% PY ZONE @ ~45° TO C.A.	///							
				(248.7-248.9) i-py (20%), m. S: ALTZ; PY F.G. IN IRREGULAR PATCHES								
250				(250.5-250.8) QTZ STR/BRKY ZONE @ 45° TO C.A.; 50% ARG; 30% WHITE QTZ; 20% GREY QTZ, w BANDS w WK. QTZ IN CENTER; 3% PY, PROD. w GREY QTZ	///							

MINERALIZATION DESCRIPTION	TOTAL SULPHIDE	INTERVAL	WIDTH	ASSAY NUMBER	% Au ppt	% Ag ppm	%	Au oz / ton	COMPOSITE ASSAY
244.0 - 244.2	///		0.2	4009	180	3.5		.005	
QSTR - PY ZONE	///								
10 % PY	///								
246.4 - 246.65	///		0.25	4010	130	3.8		.004	
QSTR - PY ZONE ; 5%	///								
PY	///								
247.7 - 248.1	///		0.4	4011	40	2.7		.001	
WH. QSTRS IN ARG ; 5% Loomis	///								
10 % PY	///								
248.7 - 248.9	///		0.2	4012	30	2.2		.001	
-20 % F.G. PY	///								
250.5 - 250.8 QSTR/BLYX ;	///		0.3	4013	70	1.1		.002	
3% PY	///								

MINERALIZATION DESCRIPTION	TOTAL SULPHIDE	INTERVAL	WIDTH	ASSAY NUMBER	% Au ppb	% Ag ppm	%	Au oz/ton	COMPOSITE ASSAYS
256.2-256.6 QSTR + WR; 1% PY			0.4	4014	165	1.1		.005	
257.8-258.3 Siliceous BRXX/VN; 40% ARC FRAGS; MATRIX, < 0.5 cm; 47% GREY QZ; 3% PY IN UP TO 3 cm PATCHES; SHARP BUT IRREGULAR UPPER CONTACT; @ ~30° TO C.A.; GRAD. LOWER CONTACT			0.5	4015	70	0.9		.002	
258.3-260.8 w to m-Si; m-T; w-Carb; CORE WEAKLY BRXX ^R IN PLACES; MINOR WHITE QSTRS (~17m, < 1 cm wide); CORE GREY TO BLACK; 3% PY IN UP TO 1 cm PATCHES AND ALONG FRACTURES		258.3- 258.8	0.5	4016	50	2.6		.001	} 2.5m @ 0.005
		258.8- 259.3	0.5	4017	60	3.9		.002	
		259.3- 259.8	0.5	4018	130	2.4		.004	
		259.8- 260.3	0.5	4019	100	2.2		.003	
		260.3- 260.8	0.5	4020	450	2.4		.013	} 1.2m @ 0.011
260.8-262.0 m to i - PEXUSIVE Si; i - GREY QSTRS, < 1 cm @ VARIOUS ORIENT ^{NS} ; CROSS-CUTTING; BRXX ZONES @ < 50% < 0.5 cm ALTRAL FRAGS IN GREY Si MATRIX; 2% DSS PY.		260.8- 261.3	0.5	4021	110	3.7		.003	
		261.3- 262.0	0.7	4022	550	5.6		.016	

DEPTH (METRES)	% Core Recy	LITHOLOGY	STRUCTURE	GEOLOGICAL DESCRIPTION	ALTERATION					FRACT INTENSITY		
					S A	D B	Chl C	T D	Se E			
268				257.8-274.5 BRXX / ALT = V. VEIN ZONE (CONT.)								
269		QV →										
		ALT* ARG.										
270		QSTRS M* ALT* ARG.										
		* C-ALT* ARG.										
271		QV										
272		K										

MINERALIZATION DESCRIPTION	TOTAL SULPHIDE	INTERVAL	WIDTH	ASSAY NUMBER	% Au ppb	% Ag ppm	%	Au g/tn	COMPOSITE ASSAYS
268.7 - 269.4 QUARTZ VEIN (0.7m)	///	268.7- 269.1	0.4	4036	65	0.6		.002	} 0.7m, .002
MOTTLED WH TO GREYSH QTZ 5 30 % ARG. FRAGS; VEIN FRAGS IN LATER QTZ	///	269.1- 269.4	0.3	4037	60	1.1		.002	
SURROUNDING; MINOR CALCITE; CONTACTS AT ~30° TO C.A.; 3 % PY CONCENTRATED IN PATCHES; MINOR VUGS	///								
269.4 - 269.9 m-Si-T ALT ² ; MOTTLED TAN BROWN W MOD LICM QSTRS; 1% DSS PY	///	269.4- 269.9	0.5	4038	100	2.6		.003	} 1.3m, .010
269.9 - 270.3 WHITE QSTRS AT MOD TO LOW L TO C.A. (~ 40%) ; REST ALT ² ARG; LONG NARROW VUGS AT LOW L TO C.A. ; 1% PY	///	269.9- 270.3	0.4	4039	440	0.8		.013	
270.3 - 270.7 i-Si-T ALT ² ; MOD ABUNDANCE OF LICM QSTRS; MINOR PY.	///	270.3- 270.7	0.4	4040	500	1.4		.015	
270.7 - 271.9 QUARTZ VEIN (1.2m)	///	270.7- 271.3	0.6	4041	50	0.3		.001	} 1.2m, .002
-MOTTLED MILKY WHITE TO GREYSH QTZ; SOME QTZ FRAGS IN LATER QTZ; 30 % i-ALT ² ARG FRAGS, PREDOMINATELY IN MIDDLE OF VEIN; <1% PY, MOSTLY IN ARG FRAGS; MINOR UP TO 1CM VUGS; CONTACTS IRREGULAR BUT APPEAR TO BE @ N45 L TO C.A.	///	271.3- 271.9	0.6	4042	60	0.3		.002	

MINERALIZATION DESCRIPTION	TOTAL SULPHIDE	INTERVAL	WIDTH	ASSAY NUMBER	% Au ppb	% Ag ppm	%	Au oz/ton	COMPOSITE ASSAYS
271.9 - 272.4 i - QSTRS DECREASING TO MOD QSTRS IN MOTTLED TAN - GREY ARG; STRS AT VARYING L TO C.A ; X-CUT ; 5% DECREASING TO 1% PY		271.9 - 272.4	0.5	4043	130	0.8		.003	2.6m, .004
272.4 - 274.5 m - T-Si - SC(?) ALT ² ; CORE BROWN-TAN COLOR W GREY PATCHES ; FRACTURES (m - CBXX) ; MOD ABUNDANCE OF < 1cm QSTRS ; VUGS UP TO 2cm COMMON ; 2% PY ; LAST 10 CM IS GREY IN Si MATRIX ; SOME INTRUSIVE LOOKING AREAS/ FRAGS (?)		272.4 - 272.9 272.9 - 273.4 273.4 - 273.9 273.9 - 274.5	0.5 0.5 0.5 0.6	4044 4045 4046 4047	20 240 50 280	0.9 1.1 0.8 0.7		.001 .007 .001 .008	
274.5 - 275.8 ALT ² DYKE ; 5% PY		274.5 - 275.2	0.7	4048	160	0.3		.005	
		275.2 - 275.8	0.6	4049	40	0.8		.001	
275.8 - 279.9 w Tom - Si ; m to i - T - Se? ; BROWN - TAN W MOTTLED GREY OTZ IN PATCHES AND IRREGULAR STRS (15 TO 20 % OF CONG) ; MINOR UP TO 10cm Si ² BRX ZONES ;		275.8 - 276.3 276.3 - 276.8 276.8 - 277.3	0.5 0.5 0.5	4050 4051 4052	20 50 120	0.4 0.8 0.6		.001 .002 .003	

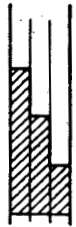
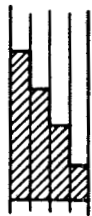
DEPTH (METRES)	% Core Recy	LITHOLOGY	STRUCTURE	GEOLOGICAL DESCRIPTION	ALTERATION					FRACT INTENSITY		
					S A	D B	Chl C	T D	Se E			
274		ALT ARG		275.8-281.9 ALT = BRXX / VEIN ZONE (cont.)								
280	100 %	BRXX ZONE										
281		QSTR ZONE										
		W to mod QSTR										
282		Sill. / STR ZONE										

MINERALIZATION DESCRIPTION	TOTAL SULPHIDE	INTERVAL	WIDTH	ASSAY NUMBER	% Au ppb	% Ag ppm	%	Au oz/tm	COMPOSITE ASSAYS
275.8-279.9 (CONT.)		277.3-277.8	0.5	4053	20	0.6		.001	4.1m, .001
MINOR 41CM VUGS; 3 TO 5 % DISS PY.		277.8-278.3	0.5	4054	25	0.7		.001	
		278.3-278.8	0.5	4055	20	0.7		.001	
		278.8-279.3	0.5	4056	10	0.3		tr	
		279.3-279.9	0.6	4057	30	0.6		.001	
279.9-280.7		279.9-280.3	0.4	4058	50	2.2		.001	0.8m, .002
SILICIFIED BRXX ZONE; MOTTLED DARK GRAY TO BLACK; 41CM ANA SILR ARG FRAGS IN Si MATRIX; MINOR 41CM VUGS; 3 TO LOCALLY 70 % DISS FINE TO COARSE GRAINED PY (~7% OVERALL)		280.3-280.7	0.4	4059	60	0.4		.002	
280.7-281.1 QSTR ZONE 50 % WHITE QSTRS @ LOW TO HIGH LTO C.A. W ARG BETWEEN 1 AS FRAGS; OVERALL ZONE @ ~30° TO C.A.; 5% PY CONCENTRATED IN PATCHES ~ PARALLEL TO ZONE CONTACTS		280.7-281.1	0.4	4060	240	1.1		.007	1.2m, .008
281.1-281.5 W TO m QSTRS; ARG TAN-BROWN TO GRAY; STRS < 2CM, VUGGY; 2 % DISS PYRITE		281.1-281.5	0.4	4061	300	1.0		.009	
281.5-281.9 i-Si/STRS; 50 % WHITE TO GRAY QSTRS PERVASIVE FLOODING; IRREGULAR STRS; 3 % DISS. PY; VUGGY NEAR LOWER CONTACT		281.5-281.9	0.4	4062	275	0.8		.008	

ERICKSON GOLD MINING CORP.

MINERALS SECTION

DRILL LOG

PROJECT <i>ENGINEER</i>		GROUND ELEV. <i>817.50</i>															
HOLE No. <i>87-103</i>		BEARING <i>293°</i>															
LOCATION N <i>4276.22</i> E <i>3482.36</i>		DIP <i>-42.5</i>															
LOGGED BY <i>H. SMIT</i>		TOTAL LENGTH <i>209.7</i>															
DATE <i>SEPT 25 - 29</i>		HORIZONTAL PROJECT <i>156.76m</i>															
CONTRACTOR <i>CONNERS</i>		VERTICAL PROJECT <i>139.23m</i>															
CORE SIZE <i>NQ</i>	DATE STARTED <i>SEPT 21, 1987</i>	ALTERATION SCALE															
DATE COMPLETED <i>SEPT 25, 1987</i>		 <p>absent slight moderate intense</p>															
DIP TESTS		TOTAL SULPHIDE SCALE															
<table border="1"> <thead> <tr> <th>DIP</th> <th>DIR</th> <th>AZIMUTH</th> </tr> </thead> <tbody> <tr> <td>47.5</td> <td>-42.5</td> <td>293°</td> </tr> <tr> <td>59.7</td> <td>-42.5</td> <td>293°</td> </tr> <tr> <td>135.9</td> <td>-41.5</td> <td>294°</td> </tr> <tr> <td>209.1</td> <td>-39.5</td> <td>298°</td> </tr> </tbody> </table>		DIP	DIR	AZIMUTH	47.5	-42.5	293°	59.7	-42.5	293°	135.9	-41.5	294°	209.1	-39.5	298°	 <p>traces only < 1% 1% - 3% 3% - 10% > 10%</p>
DIP	DIR	AZIMUTH															
47.5	-42.5	293°															
59.7	-42.5	293°															
135.9	-41.5	294°															
209.1	-39.5	298°															
COMMENTS		LEGEND															
<p>INTERSECTIONS:</p> <p>36.7-38.4 QSTRS @ HIGH ; low L to G.A.; (1.7m) ABNT SPH, ASP, GAL, PY @ 0.026 oz/Ton Au.</p> <p>41.9-42.35 QV BANDED GREY AND WHITE QTZ; (0.45m) 4% PY @ 0.015 oz/Ton Au.</p> <p>56.0-56.9 QV ABNT ARK FRACS; VUGS; 5% PY (0.9m) (SHEAR B?) @ 0.001 oz/Ton Au.</p> <p>128.2-128.6 QV WHITE QTZ; 3% PY-ASP. (0.4m) @ 0.002 oz/Ton Au.</p>																	

MINERALIZATION DESCRIPTION	TOTAL SULPHIDE	INTERVAL	WIDTH	ASSAY NUMBER	% Au g/t	% Ag ppm	%	Au oz/t	COMPOSITE ASSAYS
36.7-36.8 QSTR @ 65° TO C.A.; MOTTLED WHITE TO GREY QTZ; 20% SX, (SPH > ASP > GAL > A SILVERY-GREY UNKNOWN SX > CPY; SPH COARSE GRAINED, BROWN; ASP BANDS F. GRAIN AND COARSE GRAIN; GAL AS DISS XTRS AND BLENDS OF XTRS; MINOR SMALL STYLOLITES			0.1	4070	1.86	7.1		0.054	
36.8- 37.7 0.5 to 3 cm QSTR @ VERY LOW L TO C.A.; MOTTLED WH.; GREY QTZ; 10% W.R. FRAGS; 45% SX, SPH (BROWN) > ASP > GAL > SILVERY GREY MINERAL > CPY; SX IN PATCHES AND COARSELY DISSEM.; W.R. IS ARK W 3 TO 5% SX; 3 0.5 to 1 cm QSTRS @ GREATER L TO C.A. W SOME SX COME OFF THE LONGER STRUCTURE									
36.8- 37.3 STR 1 to 3 cm		36.8- 37.3	0.5	4071	1.97	13.0	0.057		
37.3- 37.7 STR GOES DOWN FROM 1 TO 0.5 CM, GETS VERY CALCAREOUS		37.3- 37.7	0.4	4072	0.01	7.5	0.001		
37.7-37.9 FAINT ALT = BAND L 0.5 CM ACROSS TO ABNT CALL. MAY BE STRUCTURE; CORE TOO BROKEN TO FOLLOW			0.2	4073	0.63	7.2	0.018		
37.9- 38.4 1 to 3 cm QSTR VERY LOW L TO C.A.; WH, MINOR GREY QTZ; 10% SX, (ASP > SPH > GAL > SILVERY-GREY MINERAL); STYLOLITES TO DARK GREY COATING (CARBON?)			0.5	4074	0.39	15.8	0.011		

1.7m
0.026
oz/t
Au.

MINERALIZATION DESCRIPTION	TOTAL SULPHIDE	INTERVAL	WIDTH	ASSAY NUMBER	% Au Gmt	% Ag ppm	%	Au oz/t	COMPOSITE ASSAYS
38.4-38.9 QSTRS IN ARG., UP TO 30% SX IN STRS; 4% PY IN ROCK; ~ 5% SX TOTAL			0.5	4075	0.06	2.6		0.002	
39.7-40.0 2 IRREGULAR QSTRS, ~ 20% QTR IN INTERVAL; WITHIN STRS 20% SX, PROB. BANDS OF ASP, ALSO MINOR CAL, OTHER SILVER - GRAY MINERAL; 3% F.G. PY IN ARG.; TOTAL ~ 7% SX TOTAL			0.3	4076	3.21	4.4		0.094	
40.0-40.6 Co ALT. IN ARG.; 5% PY, TRACE ASP			0.6	4077	0.21	3.4		0.006	
40.6-40.8 QSTRS; 5% DISS PY IN QSTRS 'W.A.'; MINOR ASP IN QSTRS			0.2	4078	1.23	5.0		0.036	

MINERALIZATION DESCRIPTION	TOTAL SULPHIDE	INTERVAL	WIDTH	ASSAY NUMBER	% Au gmt	% Ag ppm	%	Au oz/t	COMPOSITE ASSAYS
52.6-53.0 ~10 % S: ALK	///		0.4	4083	0.42	0.8		0.012	
: STRS; 5 % PY	///								
53.0-53.5 40 % QTZ IN UP	///		0.5	4084	0.61	0.9		0.018	
TO 10 CM STRS; MINOR	///								
STYLOLITES IN STRS; 5 % PY	///								
53.5-54.2 40 % QTZ IN	///		0.7	4085	1.21	2.1		0.035	
DISCONTINUOUS STRS; IRREG.	///								
PATCHES; GENERAL PATCHES	///								
@ LOW L TO C.A.; CORE	///								
BECOMING CRUMBLY, BRKN	///								
LIKE NEAR END OF INTER-	///								
VAL; S INCREASING TO 10 %	///								
PY	///								
54.2-54.7 10 % QTZ IN	///		0.5	4086	0.29	1.5		0.009	
IRREGULAR STRS; PATCHES	///								
5 % PY	///								
54.7-55.2 SERIES OF UP	///		0.5	4087	0.65	2.3		0.019	
TO 1 CM QSTRS @ 60° TO	///								
C.A. (~ 1/5 CM) 5 % PY	///								
IN ARG; STRS HAVE VUGS,	///								
W.R. FRAGS, TI-PY	///								
55.2-56.0 20 % QTZ IN	///		0.8	4088	0.63	1.6		0.018	
IRREGULAR STRS; PATCHES;	///								
VUGS COMMON IN STRS, ONE	///								
FILLED W MASSIVE PY;	///								
10 % PY OVERALL	///								

PAGE 12 OF 31		PROJECT: ENGINEER			HOLE No. 87-103					
DEPTH (METRES)	% Core Recy	LITHOLOGY	STRUCTURE	GEOLOGICAL DESCRIPTION	ALTERATION					FRACT INTENSITY
					Si A	D B	Ch C	T D	Se E	
56.0		↑		56.0-56.9 QUARTZ VEIN (0.9m) UPPER CONTACT @ 60° TO C.A.; LOWER CONTACT BROKEN.						
57	100 %	* QV		56.9- ARGILLITE SOMEWHAT VARIABLE UNIT WITH GREY TO BLACK MASSIVE TO BEDDED ARG. AND MINOR F.G. SST. ; BEDDING @ MOD TO HIGH L'S TO C.A.; ± Si ± C STRS W- TO M- ABNT; GENERALLY L 0.5cm BUT OCCASIONALLY > 1cm CL COMMON ON FRACT; 4 % PY OBS IN ROCK; ON FRACT.						
				56.9-57.3 Sil ² -PYRITIC ARG ZONE; SOME L 1cm FRACS ^{ARG+PY} DISCERN ABLE W A F.G. MATRIX OF Si and PY; 10 % L 3cm WH; GREY OSTRS @ 40 TO 60° TO C.A.; ~20 % PY IN TOTAL						
58		ARG.		57.3-60.9 GREY-TAN COLOR; ABNT (~1/5cm) L 0.5cm OFF- WHITE QTZ-CARB (DOL?) STRS @ VARIOUS MOD TO HIGH L'S TO C.A.; SOME CM SCALE SST BEDS; SOME BEDS LOOK LIKE TUFF W UP TO 1cm FRACS BUT MAY BE EFFECT OF ALT = BURNT BIT						
59		↓		@ 57.1m. (NO APPARENT REASON)						

MINERALIZATION DESCRIPTION	TOTAL SULPHIDE	INTERVAL	WIDTH	ASSAY NUMBER	% Au gmt	% Ag ppm	%	Au oz/t	COMPOSITE ASSAYS
75.9-76.8 20% WH	///	75.9-76.3	0.4	4094	0.77	4.1		0.022	
QTZ IN ARG; 3% PY	///	76.3-76.9	0.5	4095	0.42	3.9		0.012	
83.9-84.0 i-QSTRS IN ARG @ 50° TO C.A.; WH TO GREY QTZ; 2% PY IN ARG	///		0.1	4096	0.03	0.9		0.001	
87.5-87.8 FLT zone TC-PY			0.3	4097	0.01	1.0		0.001	
98.1-98.4 40% WH QSTRS @ VARIOUS ORIENT.; TR DISS. PY			0.3	4098	0.05	1.5		0.001	
103.1-103.15 SCM QSTR @ 70° TO C.A.; 10% ARG FRAGS; TR-PY IN ARG FRAGS.			0.05	4099	0.03	2.4		0.001	

DEPTH (METRES)	% Core Recy	LITHOLOGY	STRUCTURE	GEOLOGICAL DESCRIPTION	ALTERATION					FRACT INTENSITY		
					S A	D B	Ch C	T D	Se E			
128.2		↑		128.2-128.6 QUARTZ VEIN (0.4m) • CONTACTS @ 70 TO 90° TO C.A. (IRREGULAR)								
		QV										
128.6		*		128.6-184.4 ARGILLITE GREY TO BLACK TO OCCASIONALLY GREY- GREEN (MUD TUFFACEOUS?) ; MOSTLY ARG BUT MINOR F.G. SST AND MINOR MOTTLED LOOKING CORE WHICH MAY BE ALT. TUFF; CORE GENERALLY IN > 20CM PIECES ; ARG HARD TO VERY HARD								
	100 %	RG		128.6-132.0 MOTTLED TAN ; GREY; POSSIBLE TUFF ; m-T ; i ALONG FRACTURES ; m-intensity OF UP TO 4CM QSTRS @ MOD TO HIGH L'S TO C.A. ; 2% PY FINELY DISSEM. IN ROCK ; IN UP TO 2cm PATCHES UP TO 70% PY								
		← QSTRS										
132		↓										

PAGE 20 OF 31		PROJECT: ENGINEER					HOLE No. 87-103				
DEPTH (METRES)	% Core Recy	LITHOLOGY	STRUCTURE	GEOLOGICAL DESCRIPTION	ALTERATION					FRACT INTENSITY	
					S A	D B	Ch C	T D	Se E		
132				128.6-184.4 ARGILLITE (CONT.) 128.6-132.0 ALT ^B ARG/TUFF (CONT.)	/	/					
					/	/					
					/	/					
					/	/					
				132.0-133.9 1m to 30mm BEDS @ 45° TO C.A. MINOR 41cm QSTRS (ALT= PATCHES) MINOR ZONES OF m-PERVASIVE CC	/	/					
134		QSTR		133.9-134.1 QSTR 10cm @ 60° TO C.A. + W.R.							
				134.2-134.4 QSTR; @ 70° TO C.A.							
135	100 %	← ARG →		134.4-136.6 DARK GREY; QUITE MASSIVE IN APPEARANCE; MINOR 2mm QSTRS; 1-10cm QSTR							
				136.6-136.8 QSTR 11cm @ 40° TO C.A. ± 5cm ALT. FRAG. IN CENTER ON ONE SIDE							
137				136.8-137.8 DARK GREY; MINOR 2 1cm QSTRS							
				137.8-138.2 QSTRS 4cm QSTR; 5cm ARG; 20cm QSTR @ 45° TO C.A. (+ W.R.)							
138											

MINERALIZATION DESCRIPTION	TOTAL SULPHIDE	INTERVAL	WIDTH	ASSAY NUMBER	% Au gm/t	% Ag ppm	%	Au oz/t	COMPOSITE ASSAYS
131.7-132.0 3 UP TO 4cm QSTR @ 100 L TO C.A. W 1cm QSTR @ LOW L TO C.A. JOINING UPPER 2; 2% DSS PY IN W.R.			0.3	5584	0.01	3.1		0.001	
133.9-134.1 QSTR; WHITE; 20% ANH ARG FRAGS; MINOR VUGS W QTZ & TR GROWTH; Tr-PY IN VLN; 3% FIR 2cm IN 1m IFN (IN ARG); MINOR CARB.			0.2	5585	0.01	0.9		0.001	
134.2-134.4 QSTR; WHITE QTZ W 10% WHITE TO PALE ROSE CARB; 10% 1cm ARG FRAGS; QTZ QUITE FRACTURED & RECEMENTED BY LATER QTZ; Tr-PY			0.2	5586	0.02	0.3		0.001	
136.6-136.8 QSTR; WH QTZ W 10% ROSE CARB; MINOR 1cm VUGS; 20% ARG FRAGS; MINOR PY GROWING IN THE VUGS.			0.2	5587	0.01	0.7		0.001	
137.8-138.2 QSTRS. 60% WH QTZ 20% WH. CARB; 20% ARG FRAGS; CARB LATER THAN QTZ; M-ABUNDANCE OF UP TO 1cm VUGS W PY VUGS ON QTZ WITHIN; 1% PY			0.4	5588	0.02	1.4		0.001	

PAGE 22 OF 31			PROJECT: ENGINEER					HOLE No. 87-103			
DEPTH (METRES)	% Core Recy	LITHOLOGY	STRUCTURE	GEOLOGICAL DESCRIPTION	ALTERATION					FRACT INTENSITY	
					S	D	Chl	T	Sc		
					A	B	C	D	E		
138				128.6-184.4 ARGILLITE (CONT.)							
				138.2-140.1 GREY TO BLACK; A FEW 1 ^{cm} GREENISH BANDS @ 60° TO C.A. ASSOC. W LSSM CC- PY BANDS							
				140.1-140.4 IRREGULAR 2 ^{cm} QTZ-CARB STR @ LOW L TO C.A.; IRREGULAR UP TO 2 ^{cm} CC ± CHL ± PY PATCHES/STRS OF ALT ± @ LOW TO MOD L'S TO C.A.; CORE BROWNISH-GREY AND PATCHY IN APPEARANCE							
140				140.4-147.5 BLACK TO MOTTLED GREY-GREEN DUE TO CC ± CHL ± PY ± PØ PERVASIVE ALT ±; ~10 % OF CORE ALT ±; CC ON FRACTURES; MINOR 2 ^{cm} QSTRS; 1 %, LOCALLY 2 % F.G. DISS. PYRITE; 1 % PØ							
147	100 %	← ARG →	1 QSTRS	147.5-147.7 2 ^{cm} QSTRS @ 40 to 50° TO C.A.; BETWEEN IS i-CC-Si-CHL?; T? ALT ±; 3 % DISS PY; MOTTLED GREY TO GREENISH-BROWN							
				147.7-149.6 BLACK W 10 % GREY TO WHITE PATCHES DUE TO W-PERVASIVE Si-CC ALT ±; CORE VERY HARD							
148				149.6-149.8 i CC-QTZ STRS; 1 ^{cm} @ MOD TO HINT L'S TO C.A.; 15 % OF INTERVAL IS STRS, REST MOTTLED BLACK TO TAN CC-Si-T ALT ± ARG; 2 % PY							
150			1 STRS								

MINERALIZATION DESCRIPTION	TOTAL SULPHIDE	INTERVAL	WIDTH	ASSAY NUMBER	% Au gmt	% Ag ppm	%	Au oz/t	COMPOSITE ASSAYS
150.2-150.5 QSTRS + iS: ALT ARC; 1% PY			0.3	5592	0.02	0.9		0.001	
153.4-154.0 QTZ-Cc STRS + ALT ² ARC.; 1% PY			0.6	5593	0.04	1.2		0.001	
159.5-159.75 QTZ-CARB STR; INTERGROWN LATTICE OF QTZ; Cc XTLS, SOME SEVERAL CM LONG; m-ABUNDANCE OF LICM VUGS IN MIDDLE QTZ XTLS GROWING IN; minor wt. FRAS; NO VISIBLE SX			0.25	5594	0.08	1.2		0.002	

DEPTH (METRES)	% Core Recy	LITHOLOGY	STRUCTURE	GEOLOGICAL DESCRIPTION	ALTERATION					FRACT INTENSITY		
					Si A	D B	CHI C	T D	Se E			
159				128.6-184.4 ARGILLITE (CONT.)								
				159.75-160.0 m. cc-T ALT \approx ; CORE MOTTLED TAN-GRY-BLACK; 1-1cm STR 1 4cm STR OF SIMILAR STYLE TO PREVIOUS STR; 1% F.G. PY IN ARG.								
160				160.0-163.4 m, locally i. cc \pm T \pm S. \pm Se(?) \pm CHI(?) ALT \approx ; i. ALT \approx PLACES APPEAR BRECCIA- TED W SOME BLACK ARG FRAGS REMAINING; CORE MOTTLED BLACK, GRY, BROWN-GREEN; MINOR 1cm QTZ-CARB STRS; 1 to 2% DISS PY; 1% PO WITHIN i-ALT \approx PATCHES.								
164	100%	← ARG ↑	QSTR	163.4-163.5 QSTR WHITE QSTR @ 50° TO C.A.								
				163.5-174.8 BLACK W LESSER GRY ARG; MINOR LIGHTER CC \pm CHI \pm T ALT \approx ; BEDDING OCCASSIONALLY VISIBLE @ MOD L'S TO C.A.; CC \pm PY ON FRACTURES; 1 TO 2% DISS. PYRITE THRU OUT.								
174				174.8-175.7 i-cc ALT \approx OF HALF THE CORE; PATCHY GRY-WHITE ALT \approx W BLACK UNALT \approx								
				175.7-184.4 BLACK TO MINOR GRY; MINOR CC-(\pm CHI?) - Si ALT \approx PATCHES; 1% DISS PY; WEAK FOL \approx /BEDDING SOMETIMES VISIBLE.								
176												

PAGE 28 OF 31		PROJECT: ENGINEER					HOLE No. 87-103					
DEPTH (METRES)	% Core Recy	LITHOLOGY	STRUCTURE	GEOLOGICAL DESCRIPTION	ALTERATION					FRACT INTENSITY		
					S A	D B	Ch C	T D	Se E			
		↑		128.6-184.4 ARGILLITE (CONT.)								
				(175.7-184.4) (CONT.)								
				< 1% DISSEM. F.G. PY; CORE								
				HARD BECOMING VERY HARD								
				NEAR LOWER CONTACT								
		ARG.										
184				184.4-184.9 DYKE								
				DARK GREY & UP TO 3MM								
				LIGHT GREY PHENO'S (FELD?);								
				PHENO'S ~10%; GRAIN MASS								
				APHANITIC; CONTACTS @								
				30° TO C.A.; CORE VERY								
				HARD.								
		↑	*									
		%										
				184.9-200.0 ARGILLITE								
				BLACK WITH MINOR LIGHTER								
				AREAS W PERVASIVE CC; LENS								
				LIGHTER FOR LAST 1M OF								
				INTERVAL; BEDDING FOR								
				SOMETIMES WEAKLY VISIBLE @								
				MOD L'S TO C.A.; TR-DISS-								
				PY; MINOR CC ON FRACTURES;								
				CORE VERY HARD TO EXTREMELY								
				HARD ALONG LOWER CONTACT.								
		↓										
185		100	*									
			ARG									
200			*	200.0-204.2 DYKE - DIORITE								
				'MED GRAINED' GRAY; 30%								
				UP TO 4MM W-SERITIZED FELD								
				PHENO; 10% CHLORITIZED MAFICS								
				MINOR QTZ IN MATRIX; 2 to 3%								
				F.G. DISSEM. SILVER COLORED								
				PYRITE; VERY MASSIVE, FEW								
				FRACTURES; CONTACTS @								
				80° TO C.A.								
		↓										
			DYKE									
204												

ERICKSON GOLD MINING CORP.

MINERALS SECTION

DRILL LOG

PROJECT ENGINEER		GROUND ELEV. 817.50 m	
HOLE No. 87-104		BEARING 295°	
LOCATION N 4276.22 E 3482.36		DIP -59.0	
LOGGED BY H. SMIT		TOTAL LENGTH 99.7	
DATE OCT 1/87 TO OCT 3/87		HORIZONTAL PROJECT 51.56	
CONTRACTOR CONNERS		VERTICAL PROJECT 85.33	
CORE SIZE NQ		ALTERATION SCALE absent slight moderate intense	
DATE STARTED SEPT 25, 1987			
DATE COMPLETED SEPT 27, 1987		TOTAL SULPHIDE SCALE traces only < 1% 1% - 3% 3% - 10% > 10%	
DIP TESTS DIP AZIMUTH 41.8 -59 295° 99.7 -58.5 296°			
COMMENTS MAJOR INTNS 49.3-50.2 QSTR / SIL BRXX (0.9m) @ 0.179 oz/ton Au. 4% py - MIXED QSTRS; SILICEOUS BRXX; i-S: ARG; 67.4-69.0 QSTR / SIL BRXX / SILC ZONE (1.6m) @ 0.005 oz/ton Au. 2% py - MIXED QV'S/STRS; SILC BRXX; i-S: ARG;		LEGEND	

PAGE 4 OF 15		PROJECT: ENGINEER					HOLE No. 87-104						
DEPTH (METRES)	% Core Recy	LITHOLOGY	STRUCTURE	GEOLOGICAL DESCRIPTION		ALTERATION					FRACT INTENSITY		
						S A	D B	CL C	T D	Se E			
42		↑		7.0-49.3	ARGILLITE (CONT.)	/	/	/	/	/			
				42.6-43.2	i-Si, m-Cc; 0-STRS / QTZ PATCHES; 50% OF CORE IS GREY TO WHITE; STRS IRREGULAR @ LOW TO MOD L'S TO C.A.; 5% DISSEM. PY; TR KZWE GRAPHITE; LOWER CONTACT OF INTERVAL @ 25° TO C.A.	/	/	/	/	/			
43		ARG.		43.2-49.3	RHYTHMIC LT. 10mm BEDS @ 80° TO C.A, DECREASING TO 45° TO C.A IN LOWER PART OF INTERVAL; MINOR SLUMP FOLDS; MINOR QTZ-CARB STRS; CORE MOD. HARD.	/	/	/	/	/			
49	100% ↑	↓		49.3-50.2	QTZ STR / SIL ² BRXX ZONE (0.9m) -CONTACTS OF ZONE @ 55° (UPPER); 40 (LOWER)	/	/	/	/	/			
		ZONE				/	/	/	/	/			
		QSTR / BRXX				/	/	/	/	/			
50		↓				/	/	/	/	/			

MINERALIZATION DESCRIPTION	TOTAL SULPHIDE	INTERVAL	WIDTH	ASSAY NUMBER	% Au g-t	% Ag mm	%	Au oz t	COMPOSITE ASSAYS
42.6 - 43.2 i-QSTRS / patches w ARG; 5% PY			0.6	5240	0.37	2.2		0.011	
49.3 - 50.2 QTZ-STR / SIL & BRX MIXED w QSTRS @ 25 TO 60° TO C.A. (30%) AND i-S: BRX; STRS HAVE WR. FRAGS; VULS to QTZ XZLS; TEND TO BE IRREGULAR; 4 CM TO 5 CM WIDE BRX PARTS VARY FROM 4 CM AND ARG ± GREY QTZ FRAGS IN A GREY SILICEOUS - PYRIMIC MATRIX TO i-SIL & FRACTURED ARG; VERY PATCHY LOOK TO CORE; 4% F.G. DISS PY; WHITE QSTRS APPEAR TO CUT EARLIER BRX		49.3- 49.8 49.8- 50.2	0.5 0.4	5241 5242	9.35 2.10	9.5 3.2		0.273 0.061	0.9m @ 0.179 oz/t

DEPTH (METRES)	% Core Recy	LITHOLOGY	STRUCTURE	GEOLOGICAL DESCRIPTION	ALTERATION					FRACT INTENSITY		
					S A	D B	CH C	T D	Se E			
50				50.2-67.4 ARGILLITE MED. TO DARK GREY; BEDDED IN 1MM TO 2CM BEDS; FOLD W 4MM TO 4MM DARK GREY TO BLACK SPECKS WITHIN LIGHTER MATRIX (UP TO 30% OF ROCK DARK SPECKS; MOSTLY 10 TO 20%); BEDDING @ FOL ≈ L TO C.A. CHANGE INDIC- ATING FOLDING POST DEVELOPMENT OF FOL ≈ (BEDDING, FOL ≈ PARALLEL); W-C THRU-OUT; MINOR LCM QSTRS; MINOR CC ON FRACTURES; 1 TO 3% DIS PYRITE; GENERALLY ALIGNED W FOL ≈; CORE SCRATCHES EASILY; 20 CM PIECES NOT VERY COMMON								
54				50.2-50.4 2CM QSTR @ 50° TO C.A; MINOR QIZ-CARB PATCHES; 5% PY; FOL ≈ NOT VERY VISIBLE; FW TO ABOVE ZONE.								
58				52.0) BEDDING @ 50° TO C.A. 52.3) 2CM BAND OF CRUMBLY PY @ 45° TO C.A. 53.5) BEDDING @ 25° TO C.A. 54.5) BEDDING @ 10° TO C.A.								
59				58.8-59.3 STR ZONE 20% QIZ STRS W UP TO 20% CARB W IN STRS; STRS @ MOD L TO C.A; ABRUPTLY PINCH; SWBEL ALONG FRACTURES; 1M TO 6CM IN WIDTH; W.R. FRAGS; MINOR VLS & CC WITHIN; 2% PY, MOSTLY IN ARG, MINOR IN STRS								
60												

DEPTH (METRES)	% Core Recy	LITHOLOGY	STRUCTURE	GEOLOGICAL DESCRIPTION	ALTERATION					FRACT INTENSITY		
					S A	D B	CH C	T D	Se E			
69				69.0-99.7 ARGILLITE (SOME POSSIBLE TUFF) - VARIABLE, OFTEN PATCHY LOOKING UNIT; MOSTLY BROWNISH-GREY WITH MINOR DARK GREY GRADING TO GREY TO BLACK IN LATER PART OF UNIT; BROWNISH COLOR MAY BE DUE TO ALT ² AS IN AREA WHICH IS MORE GREY-BLACK STILL GET BROWNER COLOR ABOVE FRACTURES; VARIES FROM MASSIVE, POSSIBLE TUFF TO THINLY BEDDED ARG.; OFTEN BEDDING DESTROYED BY ALT ² ; (T-Se-CAN ALT ² ?)								
70				69.0-69.6 PERVASIVE ALT ² ; (T-Se-D-S:?) ; CORE METHOD LIGHT GREY TO TAN TO BROWN; FAIRLY SOFT EXCEPT FOR PATCHES OF i-S: ; MICRO-FRACTURES IN UPPER PART OF INTERVAL;								
72	100 % →	RG →		1% F.G. PY IN UP TO 1cm PATCHES.								
76	← A	←		69.6-77.0 MOSTLY BROWN GREY/ TAN W SOME GREY PATCHES AND STREAKS (W/OUT PERVASIVE T-Se-D?); MOSTLY MASSIVE BUT BEDDING VISIBLE IN SOME PLACES, ESP. IN LATTER PARTS OF INTERVAL; BEDDING @ HIGH 1 TO C.A.; MINOR 4/1cm GREY TO WHITE QZTS @ MOD TO LOW 1'S TO C.A.; 1% PY, DISSEM; IN UP TO 1cm PATCHES.								
78				77.0-77.6 PATCHY GREY TO WHITE QZ2 MAKES UP 20% OF CORE REST BROWN-GREY								
78												

MINERALIZATION DESCRIPTION	TOTAL SULPHIDE	INTERVAL	WIDTH	ASSAY NUMBER	% Au gmlr	% Ag ppm	%	Au oz/r	COMPOSITE ASSAYS
69.0-69.6 ALT ² ARG; 1% PY	///		0.6	18101	0.02	0.6		0.001	
77.0-77.6 GTZ FLOODING IN ARG; 3% PY DISSEM IN PATCHES	///		0.6	18102	0.02	0.6		0.001	

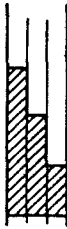

DEPTH (METRES)	% Core Recy	LITHOLOGY	STRUCTURE	GEOLOGICAL DESCRIPTION	ALTERATION					FRACT INTENSITY		
					S A	D B	Chl C	T D	Se E			
77				69.0-99.7 ARGILLITE (CONT.)								
				77.6-79.1 50% BLACK; 50% BROWN-GRAY; BROWNER COLOR ALONG FRACTURES; (W-T-Se-D overall?); MINOR S: PATCHES								
				79.1-79.8 m to i - PERVASIVE S: RESULTS IN MOTTLED BROWN-GRAY & WHITE; ~20% WHITE Qtz FLOODING; 3% PY DISSEM; IN 4mm STRS; ONE 1 to 3mm STR OF ASP @ 45° TO C.A.								
79				79.8-80.8 BLACK to BROWN- GRAY along FRACTURES; MINOR S: PATCHES; S < 1cm QSTRS @ 50 to 60° TO C.A. & MINOR SPH; 2% PY								
81				80.8-83.0 m to i - S: FLOODING w 25% OF CORE PATCHY WHITE; MINOR STRS w SPH; STRS @ MOD TO HIGH L TO C.A.; IRREGULAR WALLS								
83				83.0-87.0 BLACK TO SLIGHTLY BROWNISH-GRAY (VERY W-T-Se-D?); MINOR < 1cm QSTRS; < 1cm Cc STRS								
87												

MINERALIZATION DESCRIPTION	TOTAL SULPHIDE	INTERVAL	WIDTH	ASSAY NUMBER	% Au gm/t	% Ag ppm	%	Au oz/t	COMPOSITE ASSAYS
87.0 - 87.7 15 % WHITE QTZ; 3 % PY	///	///	0.7	18108	0.16	1.1		0.005	
87.7 - 88.5 30 % WHITE QTZ IN PATCHES; UP TO 5 CM STRS; 4 % PY	///	///	0.8	18109	1.53	7.6		0.045	
88.5 - 89.2 15 % QTZ; 3 % PY	///	///	0.7	18110	0.60	5.4		0.018	
89.2 - 89.9 20 % QTZ; 5 % PY; TRACE - SPH.	///	///	0.7	18111	0.66	4.2		0.019	
89.9 - 90.5 3 % QTZ; 3 % PY; TRACE - SPH.	///	///	0.6	18112	0.73	5.8		0.021	
90.5 - 90.8 BRKN CORE; 5 % PY	///	///	0.3	18113	1.55	73.4		0.045	
90.8 - 91.5 10 % WH QTZ IN ARG; 3 % PY	///	///	0.7	18114	0.20	4.5		0.006	
96.6 - 97.0 25 % OF INTERVAL IS WH QTZ IN IRREGULAR PATCHES; STRS; 1 % PY; W. PERVASIVE Cc	///	///	0.4	18115	0.14	1.8		0.004	

ERICKSON GOLD MINING CORP.

MINERALS SECTION

DRILL LOG

PROJECT ENGINEER	GROUND ELEV. 797.20								
HOLE No. 87-105	BEARING 104°								
LOCATION N 4528.20 E 3368.30	DIP -44.0°								
	TOTAL LENGTH 142.0m.								
LOGGED BY H. SMIT	HORIZONTAL PROJECT 103.24m								
DATE OCT 3/87	VERTICAL PROJECT 97.48m.								
CONTRACTOR CONNERS	ALTERATION SCALE								
CORE SIZE NQ	 <ul style="list-style-type: none"> absent slight moderate intense 								
DATE STARTED SEPT 28/87	TOTAL SULPHIDE SCALE								
DATE COMPLETED SEPT 30/87	 <ul style="list-style-type: none"> traces only < 1% 1% - 3% 3% - 10% > 10% 								
DIP TESTS	LEGEND								
<table border="1"> <thead> <tr> <th>DIP</th> <th>AZIMUTH</th> </tr> </thead> <tbody> <tr> <td>17.1</td> <td>UNREADABLE</td> </tr> <tr> <td>20.1</td> <td>-44 104°</td> </tr> <tr> <td>142.0</td> <td>-42.5 107°</td> </tr> </tbody> </table>	DIP	AZIMUTH	17.1	UNREADABLE	20.1	-44 104°	142.0	-42.5 107°	
DIP	AZIMUTH								
17.1	UNREADABLE								
20.1	-44 104°								
142.0	-42.5 107°								
COMMENTS									
<p>MAJOR INT^{NS}</p> <p>9.7-10.2 QV WHITE + GREY QTZ, MINOR CARB; (0.5m) 41% PY; CONTACTS @ 25° TO C.A. @ 0.002 oz/ton Au</p> <p>21.3-22.6 QV WHITE QTZ w AGNT ARG. FRAGS; (1.3m) 1% PY; MINOR VES; CONTACTS @ 30° TO C.A. @ 0.006 oz/ton Au</p>									

MINERALIZATION DESCRIPTION	TOTAL SULPHIDE	INTERVAL	WIDTH	ASSAY NUMBER	% Au g/m ³	% Ag ppm	%	Au oz/t	COMPOSITE ASSAYS
10.6-11.0 QSTRS / FLOODING IN ARG; 1 % DISS. PY	///		0.4	18119	0.27	2.7		0.008	
11.3-11.9 0.5 TO 1.0 CM QSTR ~ PARALLEL C.A. 15% DISS PY IN VEIN (5% OVERALL IN CORE)	///		0.6	18120	0.01	0.8		0.001	
11.9-12.5 40% WHITE QTR IN 1MM TO 5 CM QSTRS; STRS X-CUT EACH OTHER; 2% PY, MOSTLY IN ARG. HOST	///		0.6	18121	0.01	1.3		0.001	
12.5-13.6 20% 1MM TO 2CM QSTRS @ VERY LOW L TO 15° TO C.A.; 3% PY IN ARG. HOST.	///		1.1	18122	0.01	0.9		0.001	
17.3-17.8 QSTRS IN ARG; 3% PY	///		0.5	18123	0.03	1.4		0.001	
19.0-19.4 QSTRS IN ARG; 2% PY	///		0.4	18124	0.01	2.0		0.001	

DEPTH (METRES)	% Core Recy	LITHOLOGY	STRUCTURE	GEOLOGICAL DESCRIPTION	ALTERATION					FRACT INTENSITY		
					Si A	D B	Chl C	T D	Se E			
20		ARG		10.2-21.3 ARGILLITE (CONT.) 20.3-20.8 1CM QSTR ~ 11 to C.A.; OFFSET BY NUMEROUS (~ 1/CM) MICROFAULTS @ HIGH CTO C.A.; ABOUT F.G. PY IN STR; W.R. IS i-Si ARG; ARG GREY TO SOME BLACK, ESP ALONG FRACTURES.								
21				20.8-21.3 i-Si; CORE TAN-GRAY TO BLACK; 3 CM QSTR @ 35° TO C.A.; FOLLOWED BY SEVERAL UP TO 1CM QSTRS @ 5 TO 35° TO C.A. (STRS CHANGE DIR =, X-CUT								
22	100 %	QV		21.3-22.6 QUARTZ VEIN (1.3M) - UPPER CONTACT VARIABLE; INCREASE OF MOD TO LOW L STRS OVER 10CM; - LOWER CONTACT @ 30° TO C.A.								
23		ARG QSTRS		22.6-142.0 ARGILLITE DARK-GRAY TO BLACK; MASSIVE TO THINLY BEDDED; W-PERVASIVE Cc, F.G. DISSEM PY COMMON; CORE MOD HARD TO HARD; 720CM LENGTHS COMMON. 22.6-39.0 50% OF CORE HAS 0.5 TO 4CM QTZ-CARB STRS @ 5° TO 30°, RARELY > 30° TO C.A.; WEAK PERVASIVE Cc; 2 TO 3, LOCALLY 5% VERT F.G. PY								

MINERALIZATION DESCRIPTION	TOTAL SULPHIDE	INTERVAL	WIDTH	ASSAY NUMBER	% Au gmt	% Ag ppm	%	Au oz/T	COMPOSITE ASSAYS
20.3-20.8 QSTR @ LOW ↳ TO C.A. IN ARG; 4% PY	///		0.5	18125	0.02	1.6		0.004	
20.8-21.3 QSTRS IN ARG; 2% PY	///		0.5	18126	0.02	1.2		0.001	
21.3-22.6 Qv (1.3m) 50% WHITE QTR; 50% ARG. FRAGS; FRAGS ARE ↳ 0.5cm TO SEVERAL CM; LARGE FRAGS HAVE ABNT X-CUTTING WHITE QSTRS WHICH ORIGINATE FROM THE VEIN MATERIAL AROUND THE FRAGS; MINOR LICM VUGS ↳ QTR XTRG GROWING IN; 1% DISS PY.	///	21.3-21.7 21.7-22.2 22.2-22.6	0.4 0.5 0.4	18127 18128 18129	0.04 0.39 0.20	0.8 1.4 1.8		0.001 0.011 0.006	1.3m, .006.
24.1-24.6 1cm QSTR @ 5° TO C.A CUTS A 4cm ONE @ 30° TO C.A. 26.2-26.3 2cm QSTR @ 30° TO C.A.	///		0.5 0.1	18130 18131	0.08 2.40	1.7 2.1		0.002 0.070	

PAGE 9 OF		PROJECT: ENGINEER						HOLE No. 87-105		
MINERALIZATION DESCRIPTION	TOTAL SULPHIDE	INTERVAL	WIDTH	ASSAY NUMBER	% Au gm/t	% Ag ppm	%	Au oz/t	COMPOSITE ASSAYS	
27.0 - 28.1 1 to 2 cm QTZ-CARB STR @ 0 to 5° to C.A. ABNT W.R. LENSES; 3% PY			1.1	18132	0.09	1.7		0.003		
28.7 - 29.3 NUMEROUS DISCONTINUOUS STRS @ VARIOUS L'S TO C.A.; (0.5 to 1 cm WIDE, UP TO 3 cm LONG); MAKE UP 30% OF CORE; QTZ MIXED W CC; 3% DISS. PY			0.6	18133	0.02	1.6		0.001		
30.1 - 31.0 1 to 2 cm QTZ- CARB STR @ 0 to 5° to C.A. W 1 cm STRS COMING OFF @ HIGH L'S WHICH HAVE ONLY A FEW CM. OF LENGTH (TENSION GASHES?); 3% PY			0.9	18134	0.02	1.5		0.001		
31.4 - 31.9 IRREGULAR WH QTZ PATCHES; QTZ-CC STRS MAKE UP 50% OF CORE; 3% PY			0.5	18135	0.12	1.6		0.004		
32.4 - 32.7 LENS-LIKE <1 cm QSTR @ 0 to 5° TO CORE WITH TENSION TYPE STRS COMING OFF @ HIGH L'S ALONG ONE SIDE; 2% PY			0.3	18136	0.02	1.1		0.001		
33.4 - 33.7 1 cm QSTRS @ LOW L TO C.A. SPALY; JOIN; MINOR DISS SP4; 3% PY			0.3	18137	0.10	1.4		0.003		
35.9 - 36.4 MIXED GREY; WH QSTRS @ 30° TO C.A. + IRREGULAR QTZ PATCHES COMPOSE 30% OF CORE; 3% PY			0.5	18138	0.03	1.2		0.001		


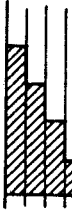
MINERALIZATION DESCRIPTION	TOTAL SULPHIDE	INTERVAL	WIDTH	ASSAY NUMBER	% Au gmt	% Ag ppm	%	Au oz/t	COMPOSITE ASSAYS
38.3 - 38.6 DISCONTINUOUS STRS @ HIGH TO LOW L's TO C.A + 2 X-CUTTING 1cm STRS @ 30°/60° TO C.A; INTERVAL 10" STRS; 4% DISS PY; TR - SPH.			0.3	18139	0.02	1.2		0.001	
39.0 - 51.6 ALT ² ARG 1 FAULT ZONE(?) ; SAMPLED IN 1M INTERVALS.									
39.0 - 40.0			1.0	18140	0.02	0.7		0.001	
40.0 - 41.0			1.0	18141	0.02	1.1		0.001	
41.0 - 42.0			1.0	18142	0.12	1.1		0.004	
42.0 - 43.0			1.0	18143	0.03	1.1		0.001	7.0m, 0.603
43.0 - 44.0			1.0	18144	0.12	1.3		0.004	
44.0 - 45.0			1.0	18145	0.08	1.1		0.002	
45.0 - 46.0			1.0	18146	0.17	1.1		0.005	
46.0 - 47.0			1.0	18147	1.85	1.4		0.054	
47.0 - 48.0			1.0	18148	0.05	0.7		0.001	
48.0 - 49.6			1.0	18149	0.04	1.0		0.001	4.6m, 0.001
49.0 - 50.0			1.0	18150	0.04	1.2		0.001	
50.0 - 51.0			1.0	18151	0.02	0.8		0.001	
51.0 - 51.6			0.6	18152	0.02	1.1		0.001	

MINERALIZATION DESCRIPTION	TOTAL SULPHIDE	INTERVAL	WIDTH	ASSAY NUMBER	% Au gm/t	% Ag ppm	%	Au oz/t	COMPOSITE ASSAYS
64.6 - 65.1 QSTRS IN ARG; 3 % PY			0.5	18153	0.08	1.4		0.002	
65.1 - 65.4 QSTR WEAK BANDING IN 1 TO 5 CM LAYERS OF GREY QTZ; WHITE GREY QTZ; 30 % i-ALYD ARG FRAGS (BLACK) CONCENT IN BANDS OF GREY QTZ; 2 % DISSEM. PY MOSTLY WITHIN ARG FRAGS.			0.3	18154	0.06	1.2		0.002	
72.1 - 72.4 0.5 TO 2 CM QSTR @ 10° TO C.A.; 4 % DISS PY; 10 % SC?			0.3	18155	0.03	1.3		0.001	
82.5 - 82.7 50 % GREY; LESSER WHITE QTZ + CC @ 60° TO C.A. IN 0.5 TO 4 CM STRS; IRREGULAR FLOODING; 3 % PY			0.2	18156	0.02	2.3		0.001	
85.5 - 85.9 2 CM QSTR @ 10° TO C.A.; WEAK BANDING IN WHITE QTZ; DARKER CARBON RICH BANDS; 2 % PY			0.4	18157	0.17	1.9		0.005	
87.1 - 87.3 A 6 CM AND A 3 CM QSTR @ 60° TO C.A.; WHITE W ARG FRAGS; 3 % PY IN ARG W.A. FRAGS			0.2	18158	0.02	1.8		0.001	

ERICKSON GOLD MINING CORP.

MINERALS SECTION

DRILL LOG

PROJECT <i>ENGINEER</i>		GROUND ELEV. <i>704.10</i>	
HOLE No. <i>87-106</i>		BEARING <i>102°</i>	
LOCATION <i>N 3962.90</i> <i>E 2920.80</i>		DIP <i>-48°</i>	
LOGGED BY <i>H. SMIT</i>		TOTAL LENGTH <i>331.3 m</i>	
DATE <i>OCT 8 / 87</i>		HORIZONTAL PROJECT <i>223.69 m</i>	
CONTRACTOR <i>CONNERS</i>		VERTICAL PROJECT <i>244.34 m.</i>	
CORE SIZE <i>NQ</i>		ALTERATION SCALE	
DATE STARTED <i>OCT 1 / 87</i>		 <p>absent slight moderate intense</p>	
DATE COMPLETED <i>OCT 8 / 87</i>		TOTAL SULPHIDE SCALE	
DIP TESTS DIP AZIMUTH DEPTH DIP AZIMUTH <i>17.1 m -48° 102° 276.1 m -46.5° 110°</i> <i>78.8 m -48.5° 101° 331.0 m -46.5° 113°</i> <i>181.7 m -47.5° 106°</i>		 <p>traces only < 1% 1% - 3% 3% - 10% > 10%</p>	
COMMENTS <i>MAJOR INTERSECTIONS</i> <i>91.4- 93.0 QV/STR ZONE WHITE QTZ &</i> <i>(1.6 m) DYKE AND ARG</i> <i>@ 0.004 oz / Ton Au. FRAGS; MINOR PY;</i> <i>TR - CPY</i> <i>=> DOUBLE DECKER VEIN</i>		LEGEND	

PAGE 6 OF 18		PROJECT: ENGINEER					HOLE No. 87-106				
DEPTH (METRES)	% Core Recy	LITHOLOGY	STRUCTURE	GEOLOGICAL DESCRIPTION	ALTERATION					FRACT INTENSITY	
					S A	D B	CH C	T D	Se E		
59	↑	↑		58.4-60.4 DYKE (CONT.) 1% DISS. PY; <1% DISS. MAGNETITE; CORE VERY HARD; UPPER CONTACT IRREGULAR @ LOW < TO C.A.; LOWER CONTACT @ 35° TO C.A.							
				60.4-89.9 ARGILLITE (+ SST)							
60		*		GREY TO BLACK TO SOMETIMES GREEN ARG.; CHERTY ARG. W LESSER MASSIVE UP TO METER SCALE F.G. SST / SOME TUFF? BEDS; BEDDING @ 15° TO 25° TO C.A.; ARG. BEDDED @ 1mm TO 1cm SCALE BEDS TO MASSIVE; CORE EXTREMELY HARD; FRACTURES @ MOD TO HIGH < TO C.A.; TRACES TO LOCALLY 2% DISSEM. PY; VERY MINOR UP TO 1cm BANDS @ i-cc ALT ² ; SOME RIP-UP CLASTS IN SST LAYERS; TOPS INDICATED DOWN HOLE							
65	100%	ARG		65.2-68.0 (SILL?) GREY TO GREEN- GREY MASSIVE SST BED OR POSSIBLY A F.G. DIORITE SILL							
70	*	*	~ ~ ~	69.5-72.3 MAJOR FAULT 70% CORE RECOVERY; BROKEN AND TO ROUNDED CORE; RUSTY FRACTURES; MINOR CC ON FRACT; (71.9-72.0) ARG ARG FRAGS UP TO 4cm IN A O.B. WEATHERING CARB MATRIX							
	70%	*	~ ~ ~	72.3-76.5 MASSIVE F.G. GREY-GREEN SST OR POSSIBLE F.G. DIORITE SILL.							
75	100%	✓	✓								

PAGE 8 OF 18		PROJECT: ENGINEER					HOLE No. 87-106			
DEPTH (METRES)	% Core Recy	LITHOLOGY	STRUCTURE	GEOLOGICAL DESCRIPTION	ALTERATION					FRACT INTENSITY
					S A	D B	Ch C	T D	Se E	
90		↑ DYKE		89.9-91.4 DYKE FINE GRAIN DIORITE; MED GRAY GREEN w 20.5mm SPECKS; MINOR CARR ON FRACTURES; MINOR DISSOL PYRITE						
		*		91.4-93.0 QUARTZ VEIN / STR ZONE (1.6m) - UPPER CONTACT @ 20° TO C.A. - LOWER CONTACT @ 50° TO C.A.						
92		← 100% →								
		QV								
93		↓								

PAGE 10 OF 18		PROJECT: ENGINEER					HOLE No. 87-106				
DEPTH (METRES)	% Core Recy	LITHOLOGY	STRUCTURE	GEOLOGICAL DESCRIPTION	ALTERATION					FRACT INTENSITY	
					S A	D B	CH C	T D	Se E		
93		→		93.0-312.0 ARGILLITE GREY TO BLACK AND LESSER GREEN ARGILLITE, CHERTY ARG, MINOR CHERT, MINOR F.G. SST; BEDS MM TO 1M SCALE; BEDDING @ 20 TO 30° TO C.A. AT BEGIN OF INTERNAL BUT VARIES DOWN HOLE; CORE VERY HARD TO EXTREMELY HARD; MINOR, LOCALLY MOD 4CM TO 10CM BANDS AND PATCHES OF PERVASIVE Si± Cc± CH(?) ± PY ± PO; GREY TO GREENISH-GREY COLOR; MINOR Cc ON FRACTURES; SOME LAYERS (BEDS) HAVE BROWNISH SHEEN ⇒ PERVASIVE BIOTITE?; FRACTURES AT MOD. TO LOW Z'S TO C.A.							
107	← 100% →	* SILL *	ARG	106.9-107.4 106.9-107.4 SILL DARK GREY MATRIX W 20 % UP TO 4mm LONG FED. LATHES (WHITE); CONTACTS @ 30° TO C.A. 108.6-108.8 i - PERVASIVE Si, m - CH?; w - Cc; CORE MOTTLED GREEN-GREY-WHITE; 3 % DISSEM. PY; ALT @ LOW 2 TO C.A.							
109		ARG.		113.0-115.5 m - Si - Cc - CH? - PY ALT AS PATCHES AND BANDS OF i - ALT; ~20% OF INTERNAL ALT; TRACE DISS - CRY W ALT; BEDDING now @ 50 TO 60° TO C.A.							
115		✓									

PAGE 16 OF 18			PROJECT: ENGINEER					HOLE No. 87-106				
DEPTH (METRES)	% Core Recy	LITHOLOGY	STRUCTURE	GEOLOGICAL DESCRIPTION	ALTERATION					FRACT INTENSITY		
					S A	D B	CHI C	T D	Se E			
284				93.0-312.0 ARGILLITE (CONT.) 226.2-284.5 (CONT.)								
285				284.5-285.5 0.5 TO 2 CM Cc STRK W.R. FRAGS CUTS i-Si-Cc-T ALTD ARG; ALT ≈ PATCHY W. GREY/BLACK (UNALT.) ; TAN (i-T) PATCHES; THIS ALT ≈ C MOTTLED HIGH L'S TO C.A. WHILE Cc STRK VERY LOW L TO C.A.								
286	100 90 →	ARG →		285.5-309.7 DARK GRAY- BLACK ARG IN SOME BROWN HUE; ONLY VERY MINOR ALTD (Si ± Cc ± CHI?) PATCHES; BEDS MM TO CM IN SCALE; BEDDING L TO C.A. VARIES; @ 20° AT 286m @ 40° AT 292m; @ 5° AT 298m @ 40° AT 302m; BEDDING BECOMES LESS DISTINCT AT END OF INTERVAL; 0.5 TO 1.0 CM BSTR @ 60° TO C.A AT 299.2m; PY, PØ ALONG HW CONTACT								
310	↓	↓		309.7-312.0 i-Si-Cc-Bi?; CORE MOTTLED LIGHT GREY TO BLACK; i-PERVASIVE Si ± Cc; BROWN 2mm PATCHES DUE TO PERVASIVE Bi(?) ⇒ SAMPLE TAKEN 309.8-309.9 FOR LITHOLOGICAL SAMPLE; 3% DISS PY; <1% DISSEM. PØ; CORE VARIES FROM EASILY SCRATCHED TO VERY HARD								
312												

DEPTH (METRES)	% Core Recy	LITHOLOGY	STRUCTURE	GEOLOGICAL DESCRIPTION	ALTERATION					FRACT INTENSITY		
					S A	D B	CH C	T D	Se E			
312				312.0-324.3 DYKE FLD PPY ~ DIORITE 70 % UP TO 5 MM FELD PHENOS IN APHANITIC GREY MATRIX; 3 % DISSEM PY; TRACE MAGNETITE; MINOR Ce ON FRACTURES; FRACT. @ MOD L TO C.A.; UPPER CONTACT @ 5 TO 25° TO C.A.; LOWER CONTACT IRREGULAR BUT @ HIGH L TO C.A. 312.0 - 312.3 CONTACT RUNS THRU CORE								
313				312.5-313.0 ARG. LENS; UPPER CONTACT @ 30°, LOWER @ 10° TO C.A. 317.2-318.2 DYKE GREENISH- GREY; FAINT MAPIC (CHLORITIZED) PHENOS VISIBLE; MAY BE DIFFERENT DYKE W/IN OTHER OR SLIGHTLY DIFFERENT TEXTURE; CONTACTS OF INTERNAL NOT PRESERVED.								
324				324.3-331.3 ARGILLITE BEDDED, MOSTLY 1 TO 3 CM, RARELY > 10 CM BEDS; BEDDING @ 30 TO 40° TO C.A.; BLACK TO DARK GREY W/ BROWNISH HUE (B. ?); EXTREMELY HARD; UNFOLDED; FRACTURES AT MOD L TO C.A.; MINOR F.G. SST BEDS; VERY MINOR Ce ON FRACTURES; VERY MINOR UP TO 1 cm S: ± Ce ± PY ± PQ ALT ± BANDS @ MOD L TO C.A.								
330				331.3 E.O.H.								
335												

ERICKSON GOLD MINING CORP.

MINERALS SECTION

DRILL LOG

PROJECT <i>ENGINEER</i>		GROUND ELEV. <i>773.40</i>	
HOLE No. <i>87-107</i>		BEARING <i>103°</i>	
LOCATION <i>N 4565.30</i> <i>E 3254.42</i>		DIP <i>-44°</i>	
LOGGED BY <i>H. SMIT</i>		TOTAL LENGTH <i>196.9m</i>	
DATE <i>OCT 10/87 - OCT 14/87</i>		HORIZONTAL PROJECT <i>141.64m</i>	
CONTRACTOR <i>CONNERS</i>		VERTICAL PROJECT <i>136.78m</i>	
CORE SIZE <i>NQ</i>		ALTERATION SCALE	
DATE STARTED <i>OCT 9/87</i>		<p>absent slight moderate intense</p>	
DATE COMPLETED <i>OCT 11/87</i>		TOTAL SULPHIDE SCALE	
DIP TESTS		<p>traces only < 1% 1% - 3% 3% - 10% > 10%</p>	
DIP TESTS DIP AZIMUTH 32.3 -44° 103° 120.7 -44° 109° 196.9 -44° 110°			
COMMENTS		LEGEND	
172.1 - 173.8 QY @ 30° TO C.A. ; WHITE + (1.7m) GREY QTZ; 50% ARG. @ 0.002 oz/ton Au. FRAGS; 2% PY			
179.6 - 183.8 QSTR/QV/SIL ² ZONE MIXED VEINS/STARS (4.2m) UP TO 30cm + SIL ² ARG; 3 TO 5% @ 0.020 oz/ton Au PY; CONTACT OF ZONE @ 25° TO C.A. w 0.3m @ 0.188			
192.5 - 193.7 QV 60% WHITE TO GLASSY QTZ; (1.2m) 40% ARG FRAGS; MODERATE VUGS; @ 0.001 oz/ton Au 3% PY; CONTACTS @ 20° TO C.A.			

PAGE 4 OF 22		PROJECT: ENGINEER					HOLE No. 87-107				
DEPTH (METRES)	% Core Recy	LITHOLOGY	STRUCTURE	GEOLOGICAL DESCRIPTION	ALTERATION					FRACT INTENSITY	
					Si A	D B	Chl C	T D	Se E		
30.0				3.6-172.1 ARGILLITE (CONT)							
				30.0) BEDDING IS BECOMING LESS DISTINCT; ARG ALMOST ENTIRELY BLACK; ABIT HARDER BUT MOSTLY STILL SCRATCHES; CC STKS ONLY MINOR INTENSITY (2 TO 4 /m); STILL 2 TO 3 % DISSEM PY							
40				31.55-31.6 5cm QSTR @ 50° TO C.A.							
				38.5 BEDDING ALMOST // C.A.							
				39.0 " @ 10° TO C.A.							
50	← 100 % →	← ARG →		53.6-57.9 m-cc; cc AS LIGHT GREY PATCHES AND BANDS OF i- PERVASIVE cc (~20% OF ARE); 1% INCREASING TO 3% DISSEM PY; MINOR QSTRS IN LAST 0.2m							
				57.9-58.3 i-Si; w-cc; Si AS IRREGULAR PATCHES AND UP TO 3cm QSTRS @ MOD L TO C.A. 4% PY, DISSEM AND IN UP TO 1cm PATCHES.							
60				58.3-59.1 m-cc; CORE MOTTLED GREY; BLACK DUE TO PERVASIVE cc							
				59.1-64.0 CORE BLACK; MINOR cc STKS UP TO 1cm @ HIGH TO LOW L'S TO C.A; 1 TO 2% DISSEM PY.							
70											

PAGE 6 OF 22		PROJECT: ENGINEER					HOLE No. 87-107				
DEPTH (METRES)	% Core Recy	LITHOLOGY	STRUCTURE	GEOLOGICAL DESCRIPTION	ALTERATION					FRACT INTENSITY	K
					Si	D	CH	T	Se		
					A	B	C	D	E		
64				3.6-172.1 ARGILLITE (CONT.)							
				64.0-65.8 m to i cc; i-K (FAULT ZONES); m-cc AS PERVASIVE ALTH, UP TO 1cm STRS @ MOD							
				LI'S TO C.A. AND IRREGULAR WHITE PATCHES; i-K FROM 64.25 TO 64.30 AND 65.1 TO 65.3m (@ 45° TO C.A.); 1 to 2% DISSEM PY							
66				65.8-125.2 BLACK TO MINOR DARK GREY BEDS; BEDDING INDISTINCT TO FAINT; @ MOD TO LOW L TO C.A.; MINOR PATCHES OF PERVASIVE cc; CORE MOD. TO FAIRLY HARD, (STILL SCRATCHES SOME); FRACTURES @ HIGH TO MOD LI'S TO C.A.; LI TO LOCALLY 3% DISSEM. PY; MINOR UP TO 2cm CC STRS (± MINOR QTZ)							
98				(98.6-98.75) i-cc, w-k; WEAK BAXX; @ 50° TO C.A.; WEAK FAULT?							
100											
126				125.2-126.4 m-k; in 1 to 2cm BANDS @ LOW L TO C.A. (5 TO 15°), SOME W. ACC + QTZ FRAGS (FAULT ZONE); W. TO M. PERVASIVE cc; 2% DISSEM PY; CORE SOFT AND BROKEN							

MINERALIZATION DESCRIPTION	TOTAL SULPHIDE	INTERVAL	WIDTH	ASSAY NUMBER	% Au gm/t	% Ag ppm	%	Au oz/t	COMPOSITE ASSAYS
64.2-64.4 i-Cc in Arg, Scm of i-K (Fault); Cc as 1cm STRS AND IRREGULAR WHITE PATCHES; 1% PY			0.2	18181	0.01	1.3		0.001	
72.8-73.0 1 to 2cm Cc STR C 20° TO C.A.; W.L. FRACS; 3% PY ALONG CONTACTS			0.2	18182	0.01	1.4		0.001	
98.6-98.75 i-Cc; BRKY; POSSIBLE FAULT; 2% VERY F.G. PY			0.15	18183	0.01	1.7		0.001	
116.1-116.3 1cm Cc STR @ LOW, VARYING C TO C.A.; MINOR GREEN MINERAL (PREHNITE?); 1% PY IN W.A., NO PY IN STR			0.2	18184	0.02	1.4		0.001	
125.2-125.5 m-K, Qtz FRACS IN WK FAULT @ LOW C TO C.A.; 2% PY			0.3	18185	0.01	1.2		0.001	
125.5-126.4 BANDS OF m-K-Cc, Qtz FRACS IN GAL; 2% PY			0.9	18186	0.07	1.2		0.002	

PAGE 8 OF 22		PROJECT: ENGINEER					HOLE No. 87-107				
DEPTH (METRES)	% Core Recy	LITHOLOGY	STRUCTURE	GEOLOGICAL DESCRIPTION	ALTERATION					FRACT INTENSITY	
					Si A	D B	Chl C	T D	Se E		
126				3.6-172.1 ARGILLITE (CONT.)							
				126.4-129.4 F.C. SST BEDS							
				@ VERY LOW LTO C.A.; MED							
				GREY; BLACK ARG BETWEEN;							
				MINOR < 0.5 cm Cc STRS							
				129.4-129.8 i - Cc - QTZ STRS;							
				MM TO 1CM WHITE Cc & QTZ STRS							
130				@ LOW LTO C.A.; W.R. FRAGS;							
				STRS HORSETAIL AND CONNECT							
				TO OTHERS; 2% VERY F.C. PY							
				129.8-138.2 MOD, LOCALLY i -							
				Cc - QTZ STRS @ LOW TO							
				MOD L'S TO C.A.; MOSTLY 1mm							
				4mm WIDE; RARELY UP TO 1cm							
				WIDE; MIXED W/ QTZ ± Cc;							
				PYRITE UP TO 30% IN STRS;							
				3% OVERALL; OCCASIONAL W-							
138				Cc PENETRATIVE IN CORE; CORE							
				SCRATCHES							
				138.2-138.5 QSTR (0.3m)							
				@ 35° TO C.A.							
138.5											
				138.5-138.8 m - QTZ w MINOR							
				Cc STRS @ 30° TO C.A.;							
				< 0.5mm WIDE							
139											

MINERALIZATION DESCRIPTION	TOTAL SULPHIDE	INTERVAL	WIDTH	ASSAY NUMBER	% Au gm/T	% Ag ppm	%	Au oz/T	COMPOSITE ASSAYS
129.4-129.8 Cc-Qtz strcs in arg; 2% py	///	///	0.4	18187	0.01	1.2		0.001	
135.9-136.8 m-INTENSITY OF Cc-Qtz strcs; 3% py	///	///	0.9	18188	0.10	1.3		0.003	
136.8-137.2 i-Cc-Qtz strcs; Some minor T in strcs; Some w.r. frags; 3% py	///	///	0.4	18189	0.34	2.0		0.010	
137.2-138.2 m-l. Qtz strcs; 3% py	///	///	1.0	18190	0.20	1.8		0.006	
138.2-138.5 QSTR (0.3m) UPPER 7cm HAS DARK GREY i-Si MATRIX w ABNT ARG FRAGS; REST BROKEN GLASSY WHITE QTZ; VERY BROKEN; MINOR Cc & T; 2% PY IN UPPER SECTION; NONE IN LOWER	///	///	0.3	18191	0.24	2.4		0.007	
138.5-138.8 m-Qtz strcs; 3% PY in strcs; w.r	///	///	0.3	18192	0.31	2.3		0.009	

PAGE 10 OF 22		PROJECT: ENGINEER				HOLE No. 87-107							
DEPTH (METRES)	% Core Recy	LITHOLOGY	STRUCTURE	GEOLOGICAL DESCRIPTION	ALTERATION					FRACT INTENSITY			
					S A	D B	Ch C	T D	Se E				
138				3.6-172.1 ARGILLITE (CONT.)									
				138.8-144.4 CORE MOD. BROKEN (MOSTLY 210cm PIECES); CC-PY ON FRACTURES (3% PY OVERALL); 1 TO 3cm SIL ² BRAX ZONES @ LOW ANGLE TO C.A FROM 141.3 TO 141.8									
144													
				144.4-146.3 MOD ABUNDANCE OF QTZ-CARB STRS @ VARIOUS L'S TO C.A.; MOSTLY MM SCALE, SOME 1 TO 3cm									
145	100 90 ↑	ARG ↑											
	↓	↓											
146													
				146.3-154.4 BLACK, MINOR GREY; BEDDING @ 20° TO C.A; MINOR, OCCASIONALLY i-QSTRS; STRS @ MOD TO HIGH L TO C.A; MOSTLY MM SCALE, RARELY TO 2cm; MAIN CTR ZONES DESCRIBED ON MINERAL PAGE; 1 TO 3% PY									
156													

MINERALIZATION DESCRIPTION	TOTAL SULPHIDE	INTERVAL	WIDTH	ASSAY NUMBER	% Au gmt	% Ag ppm	%	Au oz/t	COMPOSITE ASSAYS
151.8-152.0 3cm BAND OF i-Si-Carb-T @ 20 to 30° TO C.A.; 5% VERY F.G. PY.			0.2	18198	0.62	1.3		0.18	
153.3-153.5 2cm QSTR @ HIGH, VARYING C'S TO C.A.; i 1 to 5mm QSTRS IN W.R. AROUND; MINOR YUES W/ QZ XTS; 3% PY DISSEM IN W.R. i IN < 2mm STRS			0.2	18199	0.29	1.2		0.008	
154.4-154.9 QZ-CARB-TALL STRS; BROKEN CORE BUT APPEARS TO BE 1 TO 5cm STRS @ 20° TO 30° TO C.A. @ BKN ALL BETWEEN; ABNT ARG FRACS IN STRS; STRS MOTTLED GREY TO WHITE W/ INTERMIXED QZ; CC T ALONG FRACTURES; 3% PY, FINELY DISSEM i IN A 4cm PATCH OF i-PY			0.5	18200	0.10	127.8		0.003	
154.9-155.3 2cm TO 5mm STRS w A 6cm STR AT THE END OF THE INTERVAL; ABNT FRACS IN LARGER STR; 5% PY, DISSEM IN ARG; i IN NW PART OF STR.			0.4	18201	0.41	5.8		0.012	
156.5-156.7 QSTR IN ARG; 3% PY			0.2	18202	0.26	1.4		0.008	

MINERALIZATION DESCRIPTION	TOTAL SULPHIDE	INTERVAL	WIDTH	ASSAY NUMBER	% Au gmt	% Ag ppm	%	Au oz/t	COMPOSITE ASSAYS
157.0 - 157.7 STRS IN ARG; 5% PY DISSEM IN ARG; ALONG STR CONTACTS; 20% OF INTERVAL STRS			0.7	18203	0.37	1.4		0.011	
157.7 - 158.6 10% STRS IN ARG; 4% PY DISSEM IN ROCK; IN MM SCALE STRS W QTZ			0.9	18204	0.75	2.0		0.022	
161.10 - 161.15 4cm QSTR @ 80° TO C.A.; 50% ARG FRAGS; 1% PY IN ARG			0.05	18205	0.44	2.2		0.013	
163.6 - 163.95 2 to 3cm QSTR @ 20° TO C.A. + MM SCALE STRS @ VARIOUS ϵ 'S TO C.A.; 7% DISSEM PY			0.35	18206	0.63	1.9		0.018	
163.95 - 164.30 40% WHITE; GREY QTZ IN STRS AND ZONES OF i-ALTZ; 7% PY DISSEM IN PATCHES OF V. FINE GRAIN PY W GREYER QTZ			0.35	18207	0.41	3.3		0.012	
164.70 - 164.75 4cm STR @ 70° TO C.A.; WHITE TO GREY QTZ; AGNT ARG FRAGS; BANDING W MORE WH VS. GREY QTZ; 3% PY			0.05	18208	0.23	1.6		0.007	

DEPTH (METRES)	% Core Recy	LITHOLOGY	STRUCTURE	GEOLOGICAL DESCRIPTION	ALTERATION					FRACT INTENSITY		
					S A	D B	Ch C	Se D	T E			
170		↑		3.6-172.1 ARGILLITE (CONT.)								
				169.8-170.4 QSTKS @ 10 TO 30° TO C.A. PLUS PATCHES OF i-S.								
				170.4-171.4 MINOR STRS; ABNT (7 TO 10%) DISSEM PY.								
171		ARG		171.4-172.1 QSTK @ VERY LOW L TO C.A.; 7 TO 10% PY; i-S.								
	100% →											
172	←			172.1-173.8 QUARTZ VETN (1.7m) UPPER CONTACT IRREGULAR; LOWER @ 30° TO C.A.								
		QV										
173				173.8-179.6 ARGILLITE BLACK w MINOR GREY LAYERS; BEDDING @ 10 TO 20° TO C.A. OCCAS- IONALLY VEILS; SIL ² , MOD STRS BY UPPER; LOW CONTACTS AT INTERVAL; MINOR STRS THRU REST;								
174		↓										

MINERALIZATION DESCRIPTION	TOTAL SULPHIDE	INTERVAL	WIDTH	ASSAY NUMBER	% Au gm/t	% Ag ppm	%	Au oz/t	COMPOSITE ASSAYS
169.8-170.4 30% QSTRS @ LOW C.A. + PATCHES OF i-S; 7% PY DISSEM IN ARL; IN STRS W GRAY QTZ	///		0.6	18209	0.45	1.6		0.013	
171.4-172.1 i < 1mm ^{QTZ} STRS GIVE STOCKWORK TEXTURE; MOSTLY @ VERY LOW C.A; ONE IRREGULAR 1cm QTZ STR; 7 TO 10% DISSEM PY; IN DISCONTINU- OUS STRS; PATCHES; FINE GRAIN TO VERY F. GRAIN	///		0.7	18210	0.62	1.5		0.018	
172.1-173.8 QV (1.7m) 50% GRAY TO MOSTLY WHITE QTZ MINOR CARB.; 50% i-S; ARL IN ANGULAR FRAGS, AND UP TO 20cm BLOCKS W QSTRS WITHIN WHICH HAVE BEEN X-CUT BY LATER STRS; MINOR YUGS IN LATER WHITE STRS; 2% DISSEM PY WIN THE ARL. PORTION	///	172.1-172.5 172.5-173.0 173.0-173.4 173.4-173.8	0.4 0.5 0.4 0.4	18211 18212 18213 18214	0.08 0.03 0.12 0.04	0.6 0.4 1.7 0.5		0.002 0.001 0.004 0.001	1.7m, .002

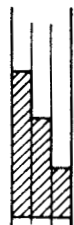
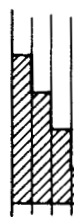
MINERALIZATION DESCRIPTION	TOTAL SULPHIDE	INTERVAL	WIDTH	ASSAY NUMBER	% Au gmt	% Ag ppm	%	Au oz/t	COMPOSITE ASSAYS
173.8-174.6 6cm QSTR @ 20' to C.A + < 1cm QSTRS; 7 % PY			0.8	18215	0.06	1.6		0.012	
179.0-179.6 med STRS; @ LOW TO MOD 2 TO C.A; UP TO 1cm WIDE; 3 % PY			0.6	18216	0.03	1.6		0.001	
179.6-183.8 QTZ STR/VN/SIL ² ZONE (4.2 m)									
179.6-180.1 70 % QTZ; 3 % PY			0.5	18217	0.08	1.2		0.002	
180.1-180.4 5 % QTZ; m-SIL ² ARG			0.3	18218	6.45	1.4		0.188	
180.4-181.0 70 % QTZ; ABNT VUGS; 5 % PY; AT LEAST 4 EPISODES OF QTZ VEINING SHOWN BY LAYERING			0.6	18219	0.17	0.6		0.005	
181.0-181.4 20 % QTZ; MINOR STRS, REST PERVASIVE; 3 % PY			0.4	18220	0.20	1.2		0.006	
181.4-181.8 SIL ² BRKN/YNG; W 2 STR ² ARG BETWEEN; 4 % PY			0.4	18221	0.17	0.7		0.005	
181.8-182.4 i-S: BRKN; DARK GRAY ² ARG + QTZ FRAGS; LATER GRAY TO WHITE STRS; ONE STR MEETLY ONE 0.5 cm WIDE VUG @ 20' TO C.A; MUST CUTS THRU CORE; 5 % PY			0.6	18222	0.23	2.5		0.007	4.2 m, 0.020
182.4-182.7 QV ² WHITE QTZ; W ABNT ARG FRAGS; 1 % PY IN ARG.			0.3	18223	0.01	0.7		0.001	
182.7-183.3 20 % WHITE QSTRS; 4 % PY IN ARG.			0.6	18224	0.18	0.8		0.005	

DEPTH (METRES)	% Core Recy	LITHOLOGY	STRUCTURE	GEOLOGICAL DESCRIPTION	ALTERATION					FRACT INTENSITY		
					Si A	D B	Ch C	Se D	T E			
183		QTZ STR/VN SILZ ZONE		179.6-183.8 QTZ STR/VN /SILZ ZONE (cont.)								
		*		183.8-192.5 ARGILLITE								
				BLACK w MINOR GREY ARG +								
				MINOR F.G. SST; BEDDING @ 20° TO								
184				25° TO C.A.; SCRATCHES EASILY								
				EXCEPT WHERE LATER SILZ; MINOR,								
				OCCASSIONALLY MOD QSTRS; MINOR								
				CC IN < 1cm STRS; < 1cm								
				PATCHES AND ON FRACTURES								
				183.8-184.7 CORE MOTTERED								
				w-Si; MINOR < 1cm QSTRS @								
				LOW C's TO C.A.; 3% DISS. PY								
185		ARG.		184.7-185.1 TWO 2 to 3 cm								
				QSTRS @ 15 to 25° TO C.A.; i-								
				S: BETWEEN; 3% DISS PY IN								
				ARG								
				185.8-186.0 2cm QSTR @ 20° TO C.A.								
				190.4-190.6 2cm GREY + WHT								
				QSTR @ 20° TO C.A.; 5%								
				VERY F.G. ARG PY IN STR,								
				CONCENTRATED ALONG WALLS; 1%								
				IN ARG								
190		QV *		192.5-193.7 QUARTZ VEIN (1.2m)								
				CONTACTS @ 20° TO C.A.								
194												

ERICKSON GOLD MINING CORP.

MINERALS SECTION

DRILL LOG

PROJECT <i>ENGINEER</i>	GROUND ELEV. 803.57								
HOLE No. <i>87-108</i>	BEARING <i>296</i>								
LOCATION N 4191.30 E 3411.30	DIP - 49.5								
	TOTAL LENGTH 187.8m.								
LOGGED BY <i>H. SMIT</i>	HORIZONTAL PROJECT 124.83m.								
DATE <i>OCT 14/87 - OCT 18/87</i>	VERTICAL PROJECT 140.27m.								
CONTRACTOR <i>CONNERS</i>	ALTERATION SCALE								
CORE SIZE <i>NQ</i>	 <ul style="list-style-type: none"> absent slight moderate intense 								
DATE STARTED <i>OCT 13/87</i>	TOTAL SULPHIDE SCALE								
DATE COMPLETED <i>OCT 15/87</i>	 <ul style="list-style-type: none"> traces only < 1% 1% - 3% 3% - 10% > 10% 								
DIP TESTS									
<table border="1"> <thead> <tr> <th>DIP</th> <th>AZIMUTH</th> </tr> </thead> <tbody> <tr> <td>32.3</td> <td>-49.5 296°</td> </tr> <tr> <td>108.5</td> <td>-48° 296°</td> </tr> <tr> <td>181.7</td> <td>-47° 298°</td> </tr> </tbody> </table>	DIP	AZIMUTH	32.3	-49.5 296°	108.5	-48° 296°	181.7	-47° 298°	
DIP	AZIMUTH								
32.3	-49.5 296°								
108.5	-48° 296°								
181.7	-47° 298°								
COMMENTS	LEGEND								
<p><i>INTERSECTIONS:</i></p> <p><i>21.4-22.6 DYKE / STR ZONE</i> <i>(1.2m)</i> <i>0.007 oz/ton Au.</i></p> <p><i>- 60% FELD PPH DYKE; 40% STRINGERS OF WHITE QTZ, VARIOUS QTZ XTES; 5% PY IN DYKE</i></p> <p><i>62.2-63.8 QSTR ZONE</i> <i>1.6m, 0.001 oz/ton gold</i></p>									

PAGE 4 OF 25		PROJECT: ENGINEER					HOLE No. 87-108					
DEPTH (METRES)	% Core Recy	LITHOLOGY	STRUCTURE	GEOLOGICAL DESCRIPTION	ALTERATION					FRACT INTENSITY		
					Si A	D B	Chl C	T D	Se E			
14				13.2-15.9 DYKE (CONT.) 14.1-14.2 4cm Cc-QTZ STR FOLLOWED BY 15cm OF i-S: ARG w PATCHES OF DYKE WITHIN; STR HAS QTZ ON OUTSIDE; AROUND MINOR ARG FRAGS w Cc INSIDE; <1% PY								
15				15.9-21.4 ARGILLITE DARK GREY TO BLACK; ALT ² TO LIGHT GREY TO GREENISH GREY; i-ALT ² IN UPPER; LOWER PARTS OF UNIT, m-ALT ² BETWEEN; ALT ² IS Cc ± Si ± GREEN (T-Se?) FROM DYKES; ALT ² TENDS TO BE PATCHY; IN MIDDLE INTERVAL DISTORTED BEDDING (
16	100%			LOW 2'S (S TO 20° TO C.A.), 4cm BEDS; CORE HARD TO VERY HARD; <1% PY; SOME REDDISH-BROWN MINERAL IN i-ALT PATCHES (B:?) 15.9-17.0 i-ALT ² w Cc + Si + GREEN FLOODING FROM DYKE 17.0-17.4 i-Si + Cc; CORE MOTTLED GREY; BLACK								
17				17.0-19.6 w-TO OCCASSIONALLY m-ALT ² 19.6-21.4 m-TO i-Cc; MINOR UP TO 1cm QSTAS (± MINOR REDDISH-BROWN MINERAL ALONG CONTACTS) (VARYING 1'S TO C.A.								

DEPTH (METRES)	% Core Recy	LITHOLOGY	STRUCTURE	GEOLOGICAL DESCRIPTION	ALTERATION					FRACT INTENSITY		
					Si A	D B	Chl C	T D	Se E			
21		↑ ARG		21.4-22.6 DYKE-STR ZONE 60 % DYKE; 40 % X-CUTTING 1 to 2.5 cm QSTRs; DYKE IS GREEN-GRY FELD-PPY W UP TO 4mm FELD PHENOS IN A F. GRAM MATRIX; UP TO 5 % DISSEM PY GIVES SPECKLED LOOK TO MATRIX; UPPER CONTACT IRREGULAR @ 10 to 20° TO C.A.; LOWER IS A QSTR. STRs ARE WHITE QTZ W MINOR WHITE TO PALE ROSE CARB; VUGS W S: XTRs COMMON; DYKE FRAGS + MINOR ARG FRAGS IN STRs; LAST STR HAS FAIR NUMBER OF ARG FRAGS; STRs VARIABLE IN ORIENTATION BUT TEND TO BE @ MOD TO HIGH L'S TO C.A.; DYKE TENDS TO BE A BIT LIGHTER COLOR DIRECTLY ADJACENT STRs; ONLY MINOR PY IN STRs WITHIN THE FRAGS. LOWER CONTACT IS A STR @ 40 to 50° TO C.A.								
22	100 % →	STR ZONE										
	←	DYKE										
		↓ ARG.		22.6-59.0 ARGILLITE DARK GRAY TO BLACK EXCEPT WHERE ALTR; MASSIVE TO BENDING WEAKLY VISIBLE; HARD TO VERY HARD; FRACTURES @ MOD TO HIGH L'S TO C.A. 22.6- 23.0 20 % UP TO 3 cm QSTRs @ MOD TO HIGH L'S TO C.A; ARG MOTTLED GRAY-GREEN TO GRAY (m-T-Chl?), W-Cc; L1% PY								
23		↓										

PAGE 8 OF 25		PROJECT: ENGINEER					HOLE No. 87-108				
DEPTH (METRES)	% Core Recy	LITHOLOGY	STRUCTURE	GEOLOGICAL DESCRIPTION	ALTERATION					FRACT INTENSITY	K
					S A	D B	Ch C	T D	Se E		
23				22.6-59.0 ARGILLITE (CONT.)							
				23.0-24.7 ARG DARK GREY TO BLACK; MINOR <1cm QSTRS							
				24.7-24.9 0.1m QSTR @ 60° TO C.A. PLUS 2 <1cm QSTRS; WH QTZ + MINOR FRAGS; 1% PY IN ARG.							
25				24.9-25.6 ARG DARK GREY TO BLACK w MINOR LIGHT GREY i-c and PATCHES OF BROWNISH-GREY ALTZ (T-Se?); TRACE OF DISSEM.							
				25.6-26.6 i-QSTRS @ MOD TO HIGH < TO C.A.; STRS ARE WH QTZ w MINOR CARB; MINOR <1cm VOLS; ARG FRAGS COMMON; ARG W.P. IS BROWNISH-GREY. MINOR DISS. PY AND PY IN QTZ STRS							
27				26.6-33.0 CORE BECOMES INCREASINGLY DARK GREY TO BLACK FROM LIGHT GREY / TAN; ALTZ DROPPING; ALTZ IS WEAK Cc - T - K(?) - Se(?); ±Cc ± T ± K ON FRACTURES; MINOR <1cm QSTRS; MINOR DISS PY; CORE SCRATCHES EASILY							
32				33.0-44.4 ARG BLACK TO DARK GREY; MINOR LIGHTER PATCHES OF i-c (± PØ); MINOR <1cm Cc STRS; Cc ON FRACTURES; CORE VERY HARD BEDDING (1 TO 10mm) DISTORTED; @ VARIOUS L'S TO C.A.							
42											

MINERALIZATION DESCRIPTION	TOTAL SULPHIDE	INTERVAL	WIDTH	ASSAY NUMBER	% Au gm/t	% Ag ppm	%	Au oz/t	COMPOSITE ASSAYS
24.7-24.9 QSTRS IN ARG; 1% PY IN ARG			0.2	18244	0.18	0.7		0.005	
25.6-26.2 50% QZ; 40% ARG IN 1 TO 30 CM STRS; <1% PY			0.6	18245	0.05	0.9		0.001	
26.2-26.6 20% QZ IN 1 TO 3 CM STRS; 1% PY			0.4	18246	0.03	1.6		0.001	
27.5-27.8 15cm QSTR PLUS 1cm QSTRS IN FW; WHITE QZ + ARG FACES; <1% PY; @ 45° TO C.A.			0.2	18264	0.20	0.6		0.006	

MINERALIZATION DESCRIPTION	TOTAL SULPHIDE	INTERVAL	WIDTH	ASSAY NUMBER	% Au gmt	% Ag ppm	%	Au oz/t	COMPOSITE ASSAYS
44.4-44.5 4cm cc-qtz STR @ 30° TO C.A.; 50% W.R. FRAGS; <1% PY IN ARG.			0.1	18247	0.02	0.8		0.001	
45.6-45.9 3 1 to 5 cm QSTRS @ 45 TO 60° TO C.A.; ABNT ARG FRAGS WITH; 2% PY IN ARG.			0.3	18248	0.01	0.9		0.001	
49.5-49.7 QTZ-CC STR; WHITE QTZ; WHITE TO PALE ROSE CARB; BANDS W VARYING COMPOSITION; INTER-GROWN XTLS OF CC; QTZ; VUGS W CC; QTZ XTLS; MINOR PY IN VUGS			0.2	18249	0.20	0.9		0.006	
50.6-50.9 QSTRS; 3% PY IN W.R.; <1% IN STRS; TR - CPY IN STRS			0.3	18250	0.06	2.8		0.002	

MINERALIZATION DESCRIPTION	TOTAL SULPHIDE	INTERVAL	WIDTH	ASSAY NUMBER	% Au gm/t	% Ag ppm	%	Au oz/t	COMPOSITE ASSAYS
61.2 - 61.5 i-ALT ^B ARG + 0.1m QSTR; QSTR HAS 30 % ARG FRAGS ALIGNED TO CONTACTS; MINOR CARB; 1cm BAND IN CENTER w BRIGHT GREEN ALONG CONTACTS (MARI?); 1% PY IN ARG			0.3	18252	0.05	0.5		0.001	
61.5-62.2 ALT ^B ARG; 41% PY			0.7	18253	0.04	1.8		0.001	
62.2-62.5 QSTR 20 CM OF MOTTLED WHITE; LESSEX GREY QTZ FOLLOWED BY 10 CM OF VERY i-ALT ^B STRINGERED ARG; MINOR CARB; MINOR 2cm VUGS; 1% F.G. PY w ARG.			0.3	18254	0.03	0.8		0.001	
62.5-62.8 i-QSTRs IN ARG; 1% PY			0.3	18255	0.02	1.2		0.001	
62.8-63.65 m-QSTRs IN ARG; 1 TO 2% PY			0.85	18256	0.01	1.2		0.001	
63.65-63.80 QSTR (0.15m) BANDED WHITE; WHITE GREY; CONTACTS @ 50° TO C.A.; MINOR MM SIZE ARG FRAGS; TRACE PY.			0.15	18257	0.05	0.7		0.001	

1.6 m.
0.001 oz/t Au

PAGE 16 OF 25			PROJECT: ENGINEER					HOLE No. 87-108				
DEPTH (METRES)	% Core Recy	LITHOLOGY	STRUCTURE	GEOLOGICAL DESCRIPTION	ALTERATION					FRACT INTENSITY		
					S A	D B	CHI C	T D	Se E			
65		QSTR		60.0-147.8 ARGILLITE (CONT.)								
				65.2-65.3 QSTR (0.1m)								
				WH. QSTR @ 10° TO ARG FRAGS;								
				VUGS @ QSTR X FLS; VERY FINE								
				PY; CONTACTS @ 60° TO C.A.								
				65.3-67.8 BLACK TO MOTTLED								
				GREY W/ MIN GREEN DUE TO								
				PERVASIVE CC-CHI(?) ⇒ W-CC-								
				CHI(?) OVERALL; MINOR L/CM								
				CC STRS; 1 QSTR-CC STR @								
				66.7m.								
				67.8-116.8 DARK GREY								
				TO BLACK ARG; 5% LIGHTER								
				GREY DUE TO PERVASIVE CC;								
				MINOR TO 1% DISSEM PY;								
				BEDDING MASSIVE TO MM TO								
				3cm SCALE RHYTHMIC BEDS;								
				@ VARIOUS L'S TO C.A.; SOMETIMES								
				DISTORTED; MINOR L/CM CC								
				STRS; CC ON FRACTURES;								
				CORE HARD BUT MOST STILL								
				SCRATCHES.								
				(70.0-70.8) 2cm BAND								
				OF i-CC-K @ 5 to 10° TO								
				C.A.								
				72m) BEDDING @ 20° TO C.A.								
				74.5m) " " 25° TO C.A.								
				82.5m) " " 65° TO C.A.								
				85.0m) KINK FOLDS IN BEDDING								
				i-CC FOR 30 cm.								
				88.1m) BEDDING @ 55° TO C.A.								
				(89.1-89.25) i-QSTRS @								
				MID TO HIGH L'S TO C.A.; i-S-								
				CC ARG BETWEEN								
				93.0m) BEDDING @ 70° TO C.A.								
				96.0m) " " 80° " "								

MINERALIZATION DESCRIPTION	TOTAL SULPHIDE	INTERVAL	WIDTH	ASSAY NUMBER	% Au gm/t	% Ag ppm	%	Au oz/t	COMPOSITE ASSAYS
65.2-65.3 QSTR 0.1m - MINOR PY IN VUGS	11		0.1	18258	0.01	4.3		0.001	
66.70-66.75 QZ-Cu STR @ 60° to C.A. - WHITE ^{SPINE} QZ to Cu IN COVER; NO VISIBLE SX			0.05	18259	0.01	0.9		0.001	
87.1-87.25 QSTR ZONE 40% WHITE QSTRS @ 35 TO 70° TO C.A.; TC-PY			0.15	18260	0.02	0.9		0.001	

DEPTH (METRES)	% Core Recy	LITHOLOGY	STRUCTURE	GEOLOGICAL DESCRIPTION	ALTERATION					FRACT INTENSITY	K
					S A	D B	Chl C	T D	Sc E		
134	85%			60.0-147.8 ARGILLITE (CONT.) 130.8-135.6 (CONT.) T-Cc-K PREDOMINATE; 1% PY IN IRREGULAR BANDS OF i-PY & DISSEM; MINOR Pq; CC-T ON FRACTURES; QSTR @ 34.7m							
135											
136	100%	ARG →		135.6-136.8 m to i-K; m-Cc; CORE MUSH TO CHIPS; BLACK; UPPER CONTACT OF INTERVAL @ 25° TO C.A.; LOWER CONTACT NOT PRESERVED; MINOR PY (135.6-135.9) i-K, CORE MUSH (135.9-136.8) 1 TO 3cm BANDS OF i-K @ VERY LOW LS TO C.A.; REST w-K, IN SMALL PIECES							
137				136.8-137.9 m-Cc, w-K-T; CORE LIGHT TO MED GREY w ABNT IRREGULAR < 1cm Cc STRS							
				137.9-143.7 DARK GREY TO BLACK; MINOR LIGHT GREY Cc PATCHES; 141m BEDDING @ 25° TO C.A. 143.5m " " 50° TO C.A.							
				143.7-143.9 i-K, m-Cc; CORE MUSH; @ 30° TO C.A.							
147											

PAGE 22 OF 25			PROJECT: ENGINEER					HOLE No. 87-108				
DEPTH (METRES)	% Core Recy	LITHOLOGY	STRUCTURE	GEOLOGICAL DESCRIPTION	ALTERATION					FRACT INTENSITY		
					S A	D B	CH C	T D	Se E			
144		↑		60.0-147.8 ARGILLITE (CONT.)								
				143.9-147.8 DARK GREY TO BLACK w 10 % OF CORE LIGHT GREY-GREEN TO GREY DUE TO i-PERVASIVE S: ± CC ± CH?; MINOR PY w ALT; CORE MODERATELY HARD; BEDDING FAINTLY VISIBLE @ MOUNTAIN L'S TO C.A.								
148		*										
				147.8-151.8 DYKE DIORITE								
				-MED GRAINED; 30 % UP TO 4mm FELD PHENOS; 20 % UP TO 3mm CHLORITIZED MAPICS; FINEGRAINED GREY MATRIX; 1 TO 3 % DISSEM PY; CARBON @ MOUNTAIN TO C.A.; PY-CC ON FRACTURES								
150		D		150.6-150.8 i-S: - CC, m-CH ALT ± PATCH; MOTTLED GREY; 2 % DISSEM. PY; 1 % DISSEM PY.								
				151.8-187.8 ARGILLITE								
				DARK GREY TO BLACK; BEDDING MOSTLY FAINT TO INDISTINCT, OCCASIONALLY DISTINCT; CORE VERY HARD; 5 % OF CORE HAS PATCHES OF wro i ± CC ± S: ± CH? ALT; MINOR PY w ALT; VERY MINOR DISSEM. THRU-OUT; MINOR CC ON FRACTURES								
152		*										
				151.8-152.7 CORE								
				MOTTLED TAN-GREY, m-CC-CH? -S:; CORE SOMEWHAT CRUMBLY								
154		↓										

[illegible]

APPENDIX B
ANALYTICAL RESULTS

MIN-EN LABORATORIES LTD.

Specialists in Mineral Environments

705 West 15th Street North Vancouver, B.C. Canada V7M 1T2

PHONE: (604) 988-5814 OR (604) 988-4524

TELEX: VIA USA 7601067 UC

Analytical Report

Company: TOTAL ERICKSON RESOURCES

Project: ENGINEER

Attention: HANS SMIT

File: 7-1386

Date: SEPT 29/87

Type: ROCK GEOCHEM

Date Samples Received : SEPT 19/87

Samples Submitted by : HANS SMIT

Report on 103 ROCKS Geochem Samples

.....
..... Assay Samples
.....

Copies sent to:

1. TOTAL ERICKSON RESOURCES, NORTH VANCOUVER, B.C.
- 2.
- 3.

Samples: Sieved to mesh Ground to mesh -80.....

Prepared samples stored: X discarded:

rejects stored: X discarded:

Methods of analysis:

31 ELEMENT TRACE ICP.

AU-WET. A.A.

Remarks

VALUES IN PPM :	AG	AL	AS	B	BA	BE	BI	CA	CO	CU	FE	
5714	2.2	32550	28	31	168	1.3	2	100480	1.0	8	64	35850
5715	1.2	29020	13	30	212	1.8	1	24920	.9	9	98	50740
5716	2.0	27710	43	26	277	1.4	1	101420	1.2	7	35	36070
5717	1.7	34160	25	33	579	1.3	2	92760	.6	6	29	28740
5718	.8	10140	235	10	110	.7	1	6270	1.4	2	16	19750
5719	2.4	17880	167	20	155	1.4	2	4120	1.4	11	85	37500
5720	1.3	7440	576	9	64	.7	1	1370	2.7	6	50	21110
5721	2.3	9050	143	11	215	.7	1	1730	.8	8	67	23260
5722	2.9	9180	92	9	37	.6	1	1480	.5	6	48	17360
5723	.4	1600	35	1	10	.2	1	260	.3	1	4	5880
5724	3.2	4970	155	4	38	.5	1	660	.8	3	32	16310
5725	2.4	5580	76	6	70	.4	1	600	.5	3	38	14300
5726	1.5	13110	171	13	82	.4	1	1180	.9	7	80	10030
5727	.6	16200	135	18	82	.9	1	830	.8	10	87	29170
5728	1.9	10670	337	13	80	1.4	1	2530	1.7	3	6	48510
5729	30.9	4510	750	9	37	.9	1	2050	3.6	2	5	29860
5730	1.5	9270	400	10	121	.6	1	2180	1.9	2	5	19570
5731	1.4	11140	715	13	137	1.2	1	2430	3.4	2	6	39250
5732	1.3	11350	311	16	50	2.1	2	7440	1.9	5	13	70380
5733	.5	6640	193	7	111	.5	1	4980	1.1	5	20	13270
5734	1.7	12000	67	18	83	1.9	1	27180	1.1	7	37	56490
5735	1.7	9240	376	14	85	1.3	1	55300	2.1	6	42	36390
5736	.6	8400	95	12	149	.7	1	1850	.6	3	24	22280
5737	1.0	9290	134	11	248	.5	1	1130	.8	3	24	13810
5738	.8	3480	828	2	129	.2	1	230	3.6	2	14	8440
5739	1.8	8940	395	10	187	.7	1	1200	2.0	5	45	21050
5740	.4	3640	302	2	231	.2	1	370	1.4	1	13	5980
5741	2.9	11610	154	14	153	.9	1	1470	.9	6	60	27240
5742	.9	2070	559	1	16	.2	1	430	2.7	1	5	5740
5743	.6	3170	535	2	95	.2	1	140	2.3	1	8	5560
5744	.4	4780	911	5	42	.2	1	2210	4.2	1	8	4680
5745	.4	4690	534	4	24	.1	1	390	2.4	1	5	4330
5746	.8	13100	675	16	137	.8	1	1320	3.1	6	58	21850
5747	1.2	12030	113	15	116	1.0	1	1590	.8	6	59	28710
5748	1.6	13310	76	18	209	1.6	1	1550	.9	6	56	52830
5749	206.1	5060	138	5	104	.4	1	720	.9	2	40	12120
5750	17.2	4690	366	4	244	.3	1	960	1.8	2	22	6890
5801	1.3	4460	987	5	201	.3	1	700	4.6	2	24	9880
5802	2.1	6660	474	9	261	1.1	1	1730	2.5	7	59	37070
5803	1.9	9160	458	12	187	1.5	1	2100	2.5	7	57	49930
5804	1.9	5310	1712	6	190	.6	1	950	7.7	3	27	20840
5805	1.9	8470	571	10	187	1.1	1	2630	3.0	5	49	34740
5806	1.2	7610	317	10	131	1.0	1	6740	2.1	4	37	30990
5807	2.2	8790	873	10	369	.7	1	1030	4.2	5	44	22960
5808	2.0	5690	1255	7	171	.9	1	1230	5.8	3	18	28790
5809	4.0	8960	801	14	217	1.7	1	1450	3.9	4	47	59830
5810	4.5	8460	663	10	297	.6	1	570	3.5	4	39	17690
5811	2.3	9980	184	15	404	.8	1	1080	2.0	5	49	25430
5812	2.7	5950	400	10	301	.7	1	530	2.6	4	38	24030
5813	2.5	3860	1134	5	197	.4	1	380	5.3	3	21	13420
5814	2.3	3870	1827	7	179	.4	1	380	8.2	3	20	13010
5815	5.6	2580	2585	3	70	.5	1	340	11.9	3	13	15830
5816	4.6	690	472	17	21	.2	1	50	2.1	1	6	7190
5817	6.0	1400	967	1	37	.3	1	120	4.3	2	10	10620
5818	14.6	1990	985	1	82	.3	2	160	4.4	2	12	9190
5819	33.4	1370	914	2	44	.3	1	80	4.2	1	12	9000
5820	4.4	1840	482	1	76	.3	1	100	2.1	2	12	10030
5821	53.2	1690	936	2	152	.6	1	90	4.4	1	14	20730
5822	13.3	3280	1275	3	156	.5	1	220	5.6	2	15	15600
5823	3.1	4570	2200	5	321	.5	1	440	9.8	5	20	16720

VALUES IN PPM :	K	CI	NO	MM	MO	NA	NI	P	PR	SS	SP	TH
5714	3470	26	13110	1437	5	2710	28	1170	26	5	287	1
5715	3740	38	10510	582	4	820	39	640	26	9	67	1
5716	2690	44	18750	1800	3	710	14	540	68	5	164	1
5717	5420	36	14690	1081	2	980	12	510	30	4	150	1
5718	3730	7	5140	120	3	50	8	240	31	30	35	1
5719	5570	15	6340	218	1	50	49	620	41	53	23	1
5720	2970	4	1920	147	7	20	21	300	18	34	6	1
5721	2000	6	720	25	2	20	37	340	19	66	38	1
5722	1620	5	590	28	1	10	28	370	19	47	27	1
5723	230	2	90	47	1	10	7	70	8	22	4	1
5724	910	3	360	41	3	10	19	200	12	77	14	1
5725	1410	4	430	80	2	10	24	180	14	77	31	1
5726	3200	8	840	26	8	20	39	260	20	38	71	1
5727	2700	12	1750	174	3	20	54	210	27	34	247	1
5728	2140	5	820	23	1	10	1	690	10	47	114	1
5729	1400	2	700	46	1	10	1	390	15	94	31	1
5730	2450	3	910	44	2	10	1	290	14	44	27	1
5731	2530	4	960	22	2	10	2	520	11	80	37	1
5732	2920	4	3840	177	1	10	2	1050	21	43	22	1
5733	2400	4	3580	173	2	20	24	430	17	21	19	1
5734	3600	8	13970	935	2	30	32	670	36	20	88	1
5735	2780	10	8780	844	2	40	27	410	34	21	281	1
5736	2820	3	1400	85	1	20	6	260	19	40	59	1
5737	2970	4	910	89	2	30	10	310	18	46	61	1
5738	1150	2	320	46	4	10	10	80	12	72	44	1
5739	3190	4	1140	96	2	20	26	390	14	56	112	1
5740	1140	2	380	61	3	10	8	60	7	25	31	1
5741	3350	9	1130	74	2	20	32	460	16	116	60	1
5742	440	2	350	89	3	10	11	40	11	1093	26	1
5743	660	3	270	37	4	10	5	30	6	654	24	1
5744	690	5	990	35	4	10	3	40	11	275	22	1
5745	680	5	360	33	3	10	3	40	7	23	18	1
5746	3350	13	1760	84	6	30	39	360	16	40	93	1
5747	2950	14	2970	150	5	20	31	480	17	25	69	1
5748	3540	10	3340	215	1	40	25	460	19	41	88	1
5749	1580	3	1480	134	3	10	19	110	9	106	35	1
5750	1530	2	540	80	2	10	15	100	13	40	55	1
5801	1470	2	990	94	4	10	11	120	11	46	77	1
5802	2460	3	2990	214	6	10	41	600	24	56	174	1
5803	3450	5	6900	315	1	30	34	520	30	394	62	1
5804	1950	3	2030	124	1	10	15	280	17	125	53	1
5805	3080	5	2880	269	1	30	31	410	18	83	32	1
5806	2620	6	6720	304	2	20	23	480	20	39	41	1
5807	3340	3	1200	50	1	20	29	300	16	100	152	1
5808	2250	2	750	25	1	10	10	290	13	141	68	1
5809	3000	3	1360	24	1	10	15	280	17	1164	128	1
5810	3030	3	1020	71	2	10	26	210	13	6571	121	1
5811	3460	4	2730	150	5	30	34	450	14	950	314	1
5812	2150	3	1180	95	4	30	26	230	14	1763	166	1
5813	1480	2	640	87	1	10	16	130	12	6305	83	1
5814	1370	2	510	51	2	10	21	150	19	1828	121	1
5815	1020	1	380	55	3	10	15	90	11	3013	79	1
5816	280	1	120	52	1	20	8	20	7	2218	14	1
5817	670	1	190	77	2	10	15	50	10	589	38	1
5818	840	1	250	93	2	10	20	60	12	257	51	1
5819	610	1	180	60	1	10	10	40	11	855	27	1
5820	810	1	230	126	2	10	19	50	17	3445	31	1
5821	630	1	250	80	2	10	12	100	11	164	43	1
5822	1300	2	490	71	1	10	16	110	13	121	78	1
5823	1740	3	930	65	2	10	27	200	13	151	120	1

PROJECT NO: ENGINEER

705 WEST 15TH ST., NORTH VANCOUVER, B.C. V7M 1T2

FILE NO: 7-1386R/P1-7

ATTENTION: HANS SMIT

(604)980-5814 OR (604)988-4524

* TYPE ROCK GEOCHEM * DATE: SEPT 29, 1987

VALUES IN PPM :	0	0	04	04	04	04	04	04
VALUES IN PPM :	0	0	04	04	04	04	04	04
5714	10	27.9	86	1	3	3	61	10
5715	1	68.5	93	2	2	3	59	5
5716	0	51.9	747	1	3	3	16	5
5717	4	55.6	90	3	4	3	39	5
5718	1	9.5	92	1	1	1	141	65
5719	2	43.9	115	1	1	2	41	90
5720	1	21.5	56	1	1	1	158	70
5721	1	26.1	117	1	1	1	101	30
5722	1	19.1	84	1	1	1	132	40
5723	1	2.3	12	1	1	1	270	20
5724	1	11.7	41	1	1	1	215	60
5725	1	12.7	39	1	1	1	184	20
5726	1	25.4	56	1	1	1	114	10
5727	1	44.3	102	1	1	2	69	5
5728	1	10.9	66	1	1	1	133	60
5729	1	4.8	49	1	1	1	191	190
5730	1	5.8	31	1	1	1	181	5
5731	1	8.2	45	1	1	1	110	80
5732	1	22.2	88	1	1	2	56	40
5733	1	18.1	102	1	1	1	128	40
5734	1	35.6	161	1	1	2	39	5
5735	2	32.6	69	1	1	1	32	100
5736	1	11.1	53	1	1	1	79	10
5737	1	11.4	49	1	1	1	87	30
5738	1	6.1	24	1	1	1	233	130
5739	1	18.0	60	1	1	1	110	120
5740	1	5.3	13	1	1	1	230	70
5741	1	25.4	74	1	1	1	123	40
5742	1	3.5	11	1	1	1	236	100
5743	1	3.9	13	1	1	1	124	110
5744	1	3.9	18	1	1	1	119	160
5745	1	3.1	11	1	1	1	134	100
5746	1	31.8	78	1	1	1	92	80
5747	2	30.8	71	1	1	1	101	10
5748	1	26.6	83	1	2	2	67	10
5749	1	16.7	59	1	1	1	181	290
5750	1	8.6	25	1	1	1	159	100
5801	1	15.0	118	1	1	1	169	350
5802	1	52.1	89	1	1	1	69	40
5803	1	23.8	88	1	2	1	82	50
5804	1	15.6	47	1	1	1	186	520
5805	2	22.2	73	1	1	1	115	170
5806	1	27.4	80	1	1	1	97	90
5807	1	19.6	75	1	1	1	111	200
5808	1	11.0	45	1	1	1	103	280
5809	1	24.7	102	1	2	1	109	250
5810	1	28.4	140	1	1	1	177	390
5811	1	59.7	315	1	1	1	125	60
5812	1	27.7	157	1	1	1	202	80
5813	1	10.1	54	1	1	1	289	250
5814	1	12.0	53	1	1	1	252	400
5815	1	6.9	37	1	1	1	306	950
5816	5	2.9	13	1	1	1	383	110
5817	2	4.9	19	1	1	1	308	480
5818	3	6.7	36	1	1	1	313	390
5819	4	4.9	14	1	1	1	383	450
5820	2	6.3	23	1	1	1	394	90
5821	1	4.7	22	1	1	1	352	110
5822	1	8.9	23	1	1	1	348	210
5823	1	18.6	34	1	1	1	279	350

PROJECT NO: ENGINEER

705 WEST 15TH ST., NORTH VANCOUVER, B.C. V6M 1T2

FILE NO: 7-13868/P3+4

ATTENTION: HANS SMIT

(604)980-5814 OR (604)980-4524

* TYPE ROCK GEOCHEM * DATE: SEPT 29, 1987

(VALUES IN PPM)	46	41	45	8	86	8E	91	CA	CO	CU	FE	
5624	2.2	4210	1749	10	249	.5	1	1320	7.8	3	19	15130
5625	2.6	3790	980	9	178	.4	1	360	4.5	3	23	12940
5626	.2	3390	83	5	29	.1	1	160	.5	1	4	4580
5627	.2	5360	47	8	58	.1	1	680	.2	1	3	2580
5628	.3	3300	55	5	23	.1	1	550	.3	1	3	3180
5629	.7	4960	43	7	176	.1	1	920	.3	1	3	3170
5630	.2	1820	24	5	84	.1	1	410	.2	1	3	3290
5631	.3	1150	25	21	78	.1	2	230	.1	1	4	4080
5632	.7	2030	411	5	116	.3	1	270	1.9	1	9	7830
5633	.3	2090	108	7	82	.2	1	290	.5	1	5	5020
5634	40.6	1450	152	3	217	.3	2	240	.7	1	8	8560
5635	2.9	7300	1202	14	515	.7	1	490	5.9	4	16	21070
5636	2.8	5040	1485	9	378	.8	1	790	6.9	2	15	26360
5637	4.7	10170	1879	35	527	1.1	1	890	9.3	2	6	35510
5638	4.6	6850	2057	13	521	1.0	1	500	9.6	2	9	34020
5639	29.7	4750	1016	10	230	.6	1	1260	5.1	3	30	17190
5640	3.2	7730	1081	14	250	1.0	1	2000	5.2	4	37	32830
5641	3.8	5440	2222	9	227	.7	1	990	10.6	3	18	23560
5642	3.5	3060	2644	6	190	.6	1	780	12.4	2	11	20070
5643	2.3	2730	1417	5	122	.4	1	370	6.7	2	13	12690
5644	4.6	2000	562	5	75	.2	1	330	2.6	1	13	7770
5645	2.5	3750	1067	7	196	.5	1	580	5.1	3	29	16620
5646	3.0	2890	2166	7	129	.7	1	560	10.0	2	13	24350
5647	1.0	1260	860	2	34	.2	1	80	4.0	1	7	6340
5648	1.0	1120	731	2	33	.2	1	60	1.1	1	6	5450
5649	6.4	3750	1294	5	68	.3	1	330	5.8	1	10	8290
5650	17.9	1860	593	2	46	.2	1	230	2.8	1	22	5430
5651	10.9	2280	1373	3	42	.2	2	340	6.1	1	17	7450
5652	1.0	5150	2712	9	236	.7	1	1070	12.4	5	34	22540
5653	13.5	7640	717	12	59	.6	1	11210	3.5	4	39	17950
5654	6.5	6770	1320	2	49	.6	1	3330	6.3	2	25	16500
5655	64.4	9890	1234	5	89	.7	1	5810	5.7	3	89	21410
5656	1.2	11580	156	6	95	.8	1	2960	1.1	4	41	22130
5657	1.8	9110	325	8	199	1.4	1	20010	2.6	7	65	41340
5658	1.3	6560	1693	3	220	1.1	1	19160	8.1	6	40	32150
5659	2.8	7540	1282	6	149	.9	1	22320	6.1	4	37	21950
5660	1.9	7850	1469	6	75	.6	1	10220	6.7	4	32	16970
5661	1.8	9750	1160	8	58	.8	1	13470	5.7	4	29	20250
5662	.9	12020	246	8	53	.5	1	11320	1.4	3	34	13590
5663	1.0	10020	576	6	43	.5	1	10860	2.8	3	29	12590
5664	.8	9590	452	6	255	.6	1	5840	2.3	3	22	15080
5665	1.3	14630	807	14	242	.7	1	17220	3.8	4	43	18120
5666	1.4	17930	673	20	378	1.1	1	25030	3.5	6	59	26930

VALUES IN PPM	K	LI	MG	NN	MO	NA	NI	P	PR	SR	TH	
5624	1670	2	870	49	2	10	18	170	12	118	122	1
5625	1400	2	850	80	2	10	19	120	12	84	102	1
5626	450	2	140	53	2	10	7	20	6	10	7	1
5627	1790	2	290	28	1	10	3	20	3	8	10	1
5628	930	1	200	74	1	10	4	20	7	16	7	1
5629	1340	1	250	43	2	10	8	40	5	13	23	1
5630	620	1	130	35	1	10	4	20	6	8	12	1
5631	390	1	120	63	1	20	9	20	8	7	11	1
5632	770	1	230	47	2	10	8	60	8	26	29	1
5633	590	2	200	49	1	10	6	30	6	13	20	1
5634	360	1	170	49	2	10	8	90	11	45	41	1
5635	2110	4	650	60	2	10	9	330	15	115	170	1
5636	1680	4	1420	704	2	10	6	300	19	127	69	1
5637	1280	9	1430	424	1	40	2	460	13	157	176	1
5638	1050	6	1500	321	2	10	10	330	12	198	124	1
5639	2040	3	1440	184	2	10	16	230	25	101	35	1
5640	3070	5	3090	169	1	20	10	620	25	97	58	1
5641	2380	2	1400	77	1	20	11	320	19	212	47	1
5642	1280	2	570	66	1	10	6	320	16	374	67	1
5643	1190	2	690	64	2	10	9	110	14	321	30	1
5644	770	2	520	58	2	10	8	60	13	315	23	1
5645	1550	3	1550	135	1	10	17	200	21	1330	53	1
5646	980	4	1510	145	1	10	8	180	21	2091	40	1
5647	570	1	180	35	5	10	6	40	11	80	9	1
5648	470	1	140	65	9	10	11	30	11	35	8	1
5649	1550	1	460	47	10	10	7	50	19	58	20	1
5650	660	2	730	73	2	10	10	30	7	45	11	1
5501	840	2	430	86	2	10	9	50	8	59	10	1
5502	2220	4	2870	129	2	20	21	240	17	67	54	1
5503	2020	10	8180	203	11	20	18	290	22	56	23	1
5504	1400	10	4620	78	4	30	8	150	19	47	12	1
5505	2030	13	6750	135	1	100	13	270	19	98	18	1
5506	2190	18	6630	124	3	90	18	300	20	9	11	1
5507	2500	11	11810	338	2	40	34	630	31	49	73	1
5508	2020	7	10650	413	2	30	18	230	29	74	60	1
5509	1860	10	9080	290	7	50	18	240	25	38	87	1
5510	2390	9	4870	149	8	30	15	340	18	42	46	1
5511	2360	14	6760	254	7	50	15	270	20	38	45	1
5512	2700	17	4400	205	5	40	12	230	14	14	23	1
5513	2260	13	3840	234	4	40	13	230	13	26	24	1
5514	1840	13	3400	144	4	30	11	210	15	19	24	1
5515	2620	23	5290	310	4	60	20	320	17	43	35	1
5516	2840	30	6950	386	4	60	18	440	29	37	51	1

ATTENTION: HAVS EXIT

(604)980-5014 OR (604)988-4524

FILE NO: 7-1386R/P344

VALUES IN PPM :	U	V	ZR	GA	SN	W	CR	AU-PPM
5624	1	11.3	44	1	1	1	270	390
5625	1	10.5	44	1	1	1	282	340
5626	1	2.1	7	1	1	1	350	10
5627	1	2.0	5	1	1	1	217	5
5628	4	1.8	10	1	1	1	236	15
5629	1	2.3	8	1	1	1	253	5
5630	4	1.6	5	1	1	1	268	5
5631	7	1.7	5	1	1	1	318	5
5632	3	2.9	15	1	1	1	290	180
5633	2	2.3	8	1	1	1	324	30
5634	4	2.8	7	1	1	1	330	100
5635	1	12.2	133	1	1	1	224	370
5636	1	10.4	80	1	1	1	236	790
5637	1	20.3	71	1	1	1	177	1600
5638	1	14.0	61	2	1	1	224	2160
5639	1	11.9	34	1	1	1	192	380
5640	1	16.6	91	1	1	1	104	80
5641	1	9.8	47	1	1	1	183	180
5642	1	5.0	40	1	1	1	253	170
5643	1	4.7	24	1	1	1	252	280
5644	1	4.3	12	1	1	1	280	230
5645	1	10.3	50	1	1	1	256	400
5646	1	6.3	40	1	1	1	239	1100
5647	1	3.8	8	1	1	1	326	620
5648	1	5.6	7	1	1	1	350	100
5649	1	4.6	16	1	1	1	267	320
5650	1	4.0	12	1	1	1	282	300
5651	1	4.3	11	1	1	1	249	700
5652	1	21.1	59	1	1	1	137	1060
5653	1	17.2	45	1	1	1	143	1030
5654	2	9.8	41	1	1	1	189	400
5655	1	16.4	45	1	1	1	126	670
5656	2	20.1	42	1	1	1	171	20
5657	3	51.4	190	2	1	1	76	45
5658	3	36.9	109	2	1	1	78	520
5659	3	21.5	57	1	1	1	79	620
5660	3	18.7	56	1	1	1	97	260
5661	1	21.3	58	1	1	1	127	290
5662	1	17.5	39	1	1	1	81	60
5663	2	16.5	46	1	1	1	96	140
5664	1	10.9	32	1	1	1	92	60
5665	1	25.4	53	1	1	1	83	250
5666	2	34.4	57	1	1	2	42	230

MIN-EN LABORATORIES LTD.

Specialists in Mineral Environments

705 West 15th Street North Vancouver, B.C. Canada V7M 1T2

(604) 980-5814 OR (604) 988-4524

TELEX: VIA USA 7601067 UC

Analytical Report

Company: TOTAL ERICKSON RESOURCES
Project: ENGINEER
Attention: HANS SMIT

File: 7-1403
Date: SEPT 29/87
Type: SOIL GEOCHEM

Date Samples Received : SEPT 22/87
Samples Submitted by : HANS SMIT

Report on 53 SOILS, 18 ROCKS Geochem Samples
.....
..... Assay Samples
.....

Copies sent to:
1. TOTAL ERICKSON RESOURCES, NORTH VANCOUVER, B.C.
2.
3.

Samples: Sieved to mesh -80 Ground to mesh -80

Compared samples stored: X discarded:
rejects stored: discarded: X

Methods of analysis:

HG - FLAMELESS A.A.
AS - VAPOR GENERATED A.A.
AU - WET A.A.
31 ELEMENT TRACE ICP.

Remarks

COMPANY: TOTAL ERICKSON RESOURCES

MIN-EN LABS ICP REPORT

(ACT:F31) PAGE 1 OF 3

PROJECT NO: ENGINEER

705 WEST 15TH ST., NORTH VANCOUVER, B.C. V7M 1T2

FILE NO: 7-1403R/P1

ATTENTION: HANS SMIT

(604)980-5814 OR (604)988-4524

* TYPE ROCK GEOCHEM *

DATE: SEPT 29, 1987

(VALUES IN PPM)	AG	AL	AS	R	BA	BE	BI	CA	CD	CO	CU	FE
5517	1.7	17490	77	17	90	1.7	1	46640	1.1	7	70	49300
5518	1.2	23250	72	18	163	1.5	1	8710	1.0	9	78	41780
5519	.8	16610	105	10	102	1.0	1	8390	.8	6	46	25710
5520	1.2	24610	63	18	207	1.4	1	27880	1.1	7	56	34240
5521	1.0	21810	502	15	166	1.3	1	19130	2.8	7	53	32040
5522	.3	3890	976	1	31	.4	1	1120	4.4	2	9	10620
5523	.2	1780	378	1	18	.2	1	630	1.8	1	6	7120
5524	1.1	11270	1812	5	80	.9	1	2880	8.1	5	30	24180
5525	1.6	19600	218	14	100	1.3	1	6070	1.6	7	61	35510
5526	.3	3330	182	1	21	.3	1	1400	1.0	1	8	8550
5527	1.4	13470	95	23	89	1.0	1	15430	1.1	4	32	26150
5528	1.6	14850	223	9	105	1.0	1	5270	1.5	5	59	27450
5529	1.4	25200	9	22	137	2.6	2	7490	.8	11	85	77830
5530	2.6	12090	408	7	102	1.3	1	10290	2.2	6	59	38350
5531	3.3	8600	542	4	63	1.1	1	23750	2.7	4	41	34810
5532	1.7	18400	40	14	59	1.2	1	48390	.8	7	65	34340
5533	5.5	10690	477	5	84	1.0	1	19100	2.7	5	55	25920
5534	1.9	37870	49	31	167	1.7	3	58470	1.0	9	84	46540

(VALUES IN PPM)	K	LI	MG	MN	MO	NA	NI	P	PB	SB	SR	TH
5517	2800	31	13040	784	3	150	15	490	49	15	76	1
5518	4920	31	10370	305	3	110	38	540	22	10	28	1
5519	2920	24	9190	219	11	90	22	400	24	5	29	1
5520	4100	36	16750	451	3	130	27	690	24	8	65	1
5521	3560	32	13180	413	4	50	24	560	22	12	59	1
5522	1010	6	2440	76	9	10	10	100	15	15	11	1
5523	520	3	1240	53	6	20	7	40	18	8	8	1
5524	2240	16	6370	154	22	100	17	320	22	26	18	1
5525	3270	30	9870	262	5	160	24	570	26	9	27	1
5526	630	6	2200	68	3	30	7	90	14	6	14	1
5527	2250	20	10810	386	18	110	20	320	30	6	73	1
5528	2670	20	8400	218	19	90	22	360	20	9	25	1
5529	4680	47	14740	307	9	340	50	490	32	12	20	1
5530	3570	11	6500	228	2	50	23	360	20	230	17	1
5531	2380	9	3310	451	2	30	20	510	18	56	22	1
5532	3290	30	9850	982	3	50	22	480	39	32	94	1
5533	2410	12	11780	247	2	50	24	300	29	40	64	1
5534	3620	38	13000	837	3	1930	24	490	25	10	100	1

COMPANY: TOTAL ERICKSON RESOURCES

MIN-EN LABS ICP REPORT

(ACT:F31) PAGE 3 OF 3

PROJECT NO: ENGINEER

705 WEST 15TH ST., NORTH VANCOUVER, B.C. V7M 1T2

FILE NO: 7-1403R/P1

ATTENTION: HANS SMIT

(604)980-5814 OR (604)988-4524

* TYPE ROCK GEOCHEM * DATE: SEPT 29, 1987

(VALUES IN PPM)	U	V	ZN	GA	SN	W	CR	AU-PPR
5517	3	31.4	107	1	1	2	36	20
5518	1	44.8	103	1	1	2	58	5
5519	1	35.1	56	1	1	2	135	10
5520	1	47.6	76	1	1	2	72	5
5521	2	42.5	69	1	1	2	94	100
5522	1	15.8	21	1	1	1	237	190
5523	1	12.3	9	1	1	1	277	30
5524	1	33.8	59	1	1	1	162	320
5525	1	37.8	79	1	1	2	80	40
5526	1	15.1	16	1	1	1	256	10
5527	1	47.1	64	2	1	2	150	40
5528	1	55.2	63	1	1	2	131	40
5529	2	77.9	164	3	2	3	65	5
5530	1	24.5	81	1	1	2	85	90
5531	2	18.3	66	1	1	1	136	90
5532	1	35.5	76	3	1	2	36	5
5533	2	23.8	63	1	1	2	146	140
5534	2	81.2	162	1	1	3	63	5

MIN-EN LABORATORIES LTD.

Specialists in Mineral Environments

705 West 15th Street North Vancouver, B.C. Canada V7M 1T2

(604)980-5814 OR (604)988-4524

TELEX:VIA USA 7601067 UC

Analytical Report

Company:TOTAL ERICKSON RESOURCES
Project:ENGINEER
Attention:H. SMIT

File:7-1585
Date:OCT 17/87
Type:ROCK GEOCHEM

Date Samples Received :OCT 9/87
Samples Submitted by :H. SMIT

Report on80 ASSAY PREP..... Geochem Samples
.....
..... Assay Samples
.....

Copies sent to:

1. TOTAL ERICKSON RESOURCES, NORTH VANCOUVER, B.C.
- 2.
- 3.

Samples: Sieved to mesh Ground to mesh-100.....

Prepared samples stored:.....X.... discarded:.....
rejects stored:.....X.... discarded:.....

Methods of analysis: AU-WET;31 ELEMENT TRACE ICP

Remarks

COMPANY: TOTAL ERICKSON RESOURCES

MIN-EN LABS ICP REPORT

(ACT:F31) PAGE 1 OF 3

PROJECT NO: ENGINEER

705 WEST 15TH ST., NORTH VANCOUVER, B.C. V7M 1T2

FILE NO: 7-1585/P1+2

ATTENTION: H. SMIT

(604)980-5814 OR (604)988-4524

* TYPE ROCK GEOCHEM * DATE: OCT 17, 1987

(VALUES IN PPM)	AG	AL	AS	B	BA	BE	BI	CA	CD	CO	CU	FE
5535	1.2	2290	56	2	30	.5	1	7850	1.1	1	5	13690
5536	5.1	6310	1167	5	53	1.0	1	4580	9.9	4	37	27560
5537	3.3	8420	1002	5	49	1.0	1	6920	7.7	6	55	29710
5538	1.1	12160	212	9	47	1.0	1	58190	1.5	5	35	27150
5539	.8	11360	41	9	54	1.0	1	60740	1.4	4	39	28720
5540	.9	5220	881	4	120	.9	1	3430	5.8	7	63	26460
5541	.4	2630	1383	1	332	.6	1	1780	10.6	3	23	17320
5542	.3	3790	98	2	65	.8	1	1820	.9	4	48	26630
5543	.5	6190	65	4	142	1.1	1	3020	.6	5	52	30840
5544	.4	8570	63	9	100	1.4	1	10010	.9	7	57	38970
5545	.6	4910	260	2	243	.8	1	830	1.6	5	49	24040
5546	.9	5490	628	3	330	.8	1	740	4.5	6	60	24540
5547	.8	4370	530	2	127	.8	1	1120	4.2	6	47	25920
5548	1.0	6850	133	6	132	1.2	1	9300	2.1	6	62	38310
5549	1.0	4070	148	2	109	.9	1	590	1.2	4	35	32170
5550	2.7	2180	373	2	58	.2	1	1630	2.3	1	17	6490
4001	.8	7270	140	6	114	.8	1	2070	1.1	8	57	24250
4002	3.9	5120	712	4	73	1.1	1	1970	4.3	4	24	36360
4003	.7	6400	68	10	45	3.4	3	3120	1.0	4	34	125210
4004	.3	3030	31	1	40	.3	1	1740	.1	1	7	9420
4005	2.3	2900	511	1	50	.6	1	2740	4.0	3	24	18480
4006	2.6	3900	855	4	135	1.6	1	5080	8.3	6	48	51580
4007	2.3	4980	164	4	147	1.1	1	3540	2.9	7	64	33880
4008	87.3	2350	445	1	129	.6	1	3130	4.9	3	29	14910
4009	3.5	8150	501	9	86	1.7	2	5090	7.6	7	59	57310
4010	3.8	5470	494	6	130	1.4	1	3580	6.6	6	64	47630
4011	2.7	6050	231	8	131	1.5	1	11290	3.5	7	66	47560
4012	2.2	5930	125	10	62	2.4	1	3930	6.7	5	31	78270
4013	1.1	3220	592	2	235	.8	1	11940	5.7	3	28	21910
4014	1.1	3870	1647	3	57	.8	1	4980	12.3	5	46	27260
4015	.9	5620	1144	8	77	.6	1	5600	11.0	4	38	19250
4016	2.6	12840	148	15	81	1.3	1	7210	11.9	8	70	34840
4017	3.9	12850	257	14	119	2.2	1	3540	2.4	8	79	67350
4018	2.4	14550	833	14	129	1.3	1	3440	6.1	11	90	34990
4019	2.2	11730	675	12	190	1.3	1	2790	5.9	9	79	36130
4020	2.4	6830	2398	6	107	1.1	1	2980	20.4	7	51	31840
4021	3.7	6550	1684	5	102	1.0	1	1840	15.1	7	47	29900
4022	5.6	7260	2274	7	255	1.1	1	1800	18.9	8	49	33540
4023	8.0	6080	2557	4	246	.9	1	1180	21.7	7	35	28470
4024	9.0	3880	2034	1	287	.4	1	580	14.1	4	21	13010
4025	18.3	3300	2400	1	198	.5	1	480	17.4	3	20	14940
4026	4.9	4680	2789	2	296	.7	1	740	23.3	5	39	20850
4027	4.0	9400	962	9	325	1.4	1	1380	7.2	8	36	43860
4028	4.1	8580	1129	9	210	1.7	1	1430	8.4	10	61	55010
4029	4.6	7100	2413	7	121	1.1	1	880	22.5	7	55	34680
4030	4.3	6540	1440	11	280	1.3	1	1980	13.8	6	34	42730
4031	3.4	6540	444	9	141	1.6	2	1290	5.2	6	37	53860
4032	2.6	7120	1000	8	320	1.1	1	1670	8.8	7	31	35570
4033	3.0	6330	3656	6	283	.7	1	750	29.0	7	35	22950
4034	3.3	5370	512	3	390	.7	1	620	3.8	5	41	23150
4035	6.2	5470	1083	4	315	.9	1	850	8.0	7	59	29306
4036	.6	1180	413	1	52	.2	1	2250	2.2	1	8	6710
4037	1.1	4470	515	1	311	.4	1	590	3.1	4	27	11900
4038	2.6	7350	673	5	439	1.0	1	910	5.8	8	72	30330
4039	.8	2990	1706	1	199	.4	1	720	12.4	5	36	11730
4040	1.4	7530	1830	6	422	.6	1	550	11.2	6	57	17740
4041	.3	4350	452	1	106	.1	1	500	1.9	1	4	3990
4042	.3	3100	795	1	93	.2	1	370	4.4	1	6	5370
4043	.8	6830	963	4	333	.7	1	950	7.7	4	41	20660
4044	.9	11220	162	12	493	1.3	1	1820	1.2	11	96	40490

(VALUES IN PPM)	K	LI	MG	MN	MO	NA	NI	P	PR	SB	SR	TH
5535	1570	3	3400	62	2	10	1	40	51	8	18	1
5536	1230	10	5860	209	6	10	35	400	30	71	17	1
5537	1630	15	7800	179	3	10	45	430	36	82	22	1
5538	1580	23	9680	707	2	10	16	440	37	12	89	1
5539	1450	17	11400	843	1	20	13	610	36	6	130	1
5540	1970	4	3160	324	10	20	32	370	23	26	25	1
5541	970	2	1550	175	9	10	16	160	19	34	18	1
5542	1220	4	2720	334	7	10	23	290	25	13	18	1
5543	1980	5	4070	318	8	10	29	370	26	10	20	1
5544	2890	7	7870	535	4	60	39	480	32	10	40	1
5545	1810	4	1420	133	4	10	22	220	21	35	46	1
5546	1930	4	2050	162	4	10	30	290	23	45	87	1
5547	1560	4	2910	151	10	10	29	300	23	41	45	1
5548	1640	10	6430	487	7	10	26	370	29	18	22	1
5549	1200	3	1110	110	3	10	19	170	18	55	55	1
5550	790	4	960	77	3	10	7	80	14	22	13	1
4001	2500	6	3090	180	1	20	25	460	35	23	43	1
4002	1350	5	2500	215	2	10	9	460	28	98	28	1
4003	370	4	1550	91	1	10	1	640	34	70	31	3
4004	880	1	950	52	2	10	3	40	9	8	18	1
4005	1420	1	1990	92	1	10	11	250	18	1233	12	1
4006	1510	4	8760	253	1	10	22	390	37	112	22	1
4007	2310	4	5490	129	1	10	26	410	33	1368	28	1
4008	1020	3	5810	120	3	10	16	160	19	504	30	1
4009	2160	12	8580	171	1	10	34	580	39	120	27	2
4010	2340	3	3330	101	6	10	41	510	33	121	17	1
4011	2340	4	8450	269	5	20	31	500	40	38	44	1
4012	2020	4	4770	215	1	10	9	640	35	64	26	1
4013	1400	2	6670	189	12	10	14	270	26	31	38	1
4014	1640	5	5990	240	1	20	28	330	29	93	25	1
4015	2020	7	4750	134	4	10	23	320	31	83	54	1
4016	4300	6	6980	211	21	20	58	830	39	60	75	1
4017	4520	5	5840	185	2	20	42	640	37	93	61	1
4018	5190	6	5810	173	3	30	58	690	33	98	98	1
4019	4270	5	5310	163	4	20	45	620	29	625	160	1
4020	2440	7	6270	227	2	10	44	410	34	993	124	1
4021	2330	3	2880	110	3	10	37	370	24	1403	69	1
4022	2300	5	5000	277	3	10	36	400	29	1565	163	1
4023	1990	4	3230	179	3	10	30	300	24	757	155	1
4024	1560	2	750	39	2	10	23	150	15	190	113	1
4025	1240	1	560	29	3	10	20	90	14	220	51	1
4026	1710	2	900	68	3	10	33	150	14	1759	93	1
4027	3110	1	1410	16	1	10	34	400	18	506	258	1
4028	2970	1	1430	15	2	10	55	280	28	288	189	1
4029	2490	2	1180	37	3	10	41	220	21	1029	187	1
4030	2060	4	1460	29	2	10	26	250	26	569	155	1
4031	2120	2	1260	18	2	10	30	270	27	257	180	1
4032	2180	2	1140	21	1	10	32	220	20	148	195	1
4033	2120	2	930	48	2	10	38	190	18	1663	184	1
4034	2300	2	960	45	3	20	23	290	21	1395	120	1
4035	2530	2	910	33	4	10	39	200	22	394	79	1
4036	630	1	300	47	5	10	8	30	13	32	13	1
4037	1730	2	830	61	4	10	21	160	18	29	84	1
4038	2450	4	3730	230	3	10	44	320	29	34	226	1
4039	1120	2	510	53	4	10	11	120	13	58	60	1
4040	2790	3	1660	67	5	10	30	250	26	74	152	1
4041	1130	2	400	24	2	10	3	40	13	20	21	1
4042	1110	1	370	32	2	10	7	70	12	33	27	1
4043	2380	4	2730	197	14	20	15	260	21	29	113	1
4044	3870	8	5070	382	6	40	51	560	25	15	151	1

(VALUES IN PPM)	U	V	ZN	BA	SN	W	CR	AU-PPB
5535	1	1.2	115	1	1	1	129	30
5536	1	34.0	220	1	1	1	142	400
5537	1	18.0	107	1	1	1	113	480
5538	5	19.5	66	1	1	1	30	80
5539	6	19.3	86	1	1	1	83	10
5540	2	19.9	86	1	1	1	114	140
5541	1	13.1	47	1	1	1	180	130
5542	1	22.0	61	1	1	1	131	35
5543	1	29.2	70	1	1	1	161	10
5544	2	37.5	80	1	1	1	118	5
5545	1	14.4	74	1	1	1	125	60
5546	2	16.9	75	1	1	1	121	180
5547	1	17.0	66	1	1	1	155	150
5548	1	26.6	77	1	1	1	124	20
5549	1	15.1	116	1	1	1	158	50
5550	1	3.6	31	1	1	1	185	170
4001	2	17.6	98	1	1	1	67	60
4002	1	11.5	63	1	1	1	145	530
4003	5	10.2	86	1	1	1	112	30
4004	1	2.0	10	1	1	1	171	10
4005	1	5.7	54	1	1	1	152	170
4006	2	22.2	140	1	1	1	78	140
4007	1	20.2	107	1	1	1	105	65
4008	1	15.9	93	1	1	1	160	250
4009	3	24.7	184	1	1	1	79	180
4010	2	28.3	241	1	1	1	115	130
4011	3	21.8	106	1	1	1	75	40
4012	2	23.7	308	1	1	1	79	30
4013	3	10.0	51	1	1	1	121	70
4014	1	20.6	99	1	1	1	136	165
4015	1	30.4	177	1	1	1	184	70
4016	1	87.8	624	1	1	2	71	50
4017	2	40.9	130	1	2	1	103	60
4018	1	46.3	127	1	1	1	77	130
4019	1	44.5	130	1	1	1	94	100
4020	1	42.9	115	1	1	1	144	450
4021	2	28.3	116	1	1	1	147	110
4022	1	45.4	132	1	1	1	152	550
4023	2	34.8	100	1	1	1	199	700
4024	1	16.2	44	1	1	1	171	750
4025	1	11.6	29	1	1	1	251	730
4026	1	20.4	33	1	1	1	210	890
4027	1	26.1	76	1	1	1	140	300
4028	3	33.6	91	1	1	1	124	110
4029	1	33.2	97	2	1	1	125	320
4030	1	24.6	165	1	1	1	134	390
4031	2	24.2	240	2	1	1	120	90
4032	1	21.1	62	1	1	1	136	125
4033	1	24.2	51	1	1	1	197	760
4034	1	18.2	98	1	1	1	84	320
4035	1	18.4	120	1	1	1	97	790
4036	1	2.8	16	1	1	1	125	65
4037	1	14.8	61	1	1	1	152	60
4038	1	45.8	123	1	1	1	113	100
4039	1	7.8	33	1	1	1	158	440
4040	1	23.2	94	1	1	1	124	500
4041	1	3.3	18	1	1	1	172	50
4042	1	4.4	27	1	1	1	221	60
4043	1	25.2	60	1	1	1	134	130
4044	1	48.1	93	1	1	1	84	20

COMPANY: TOTAL ERICKSON RESOURCES

MIN-EN LABS ICP REPORT

(ACT:F31) PAGE 1 OF 3

PROJECT NO: ENGINEER

705 WEST 15TH ST., NORTH VANCOUVER, B.C. V7M 1T2

FILE NO: 7-1585/P3

ATTENTION: H. SMIT

(604)980-5814 OR (604)988-4524

* TYPE ROCK GEOCHEM *

DATE: OCT 17, 1987

(VALUES IN PPM)	AG	AL	AS	B	BA	BE	BI	CA	CD	CO	CU	FE
4045	1.1	9220	1323	15	230	1.1	1	3470	8.7	6	44	33290
4046	.8	11590	394	13	855	1.3	1	3970	2.8	7	67	39040
4047	.7	9120	1534	7	504	.8	1	1070	11.3	5	54	24620
4048	.3	7960	1098	3	742	.7	1	1900	7.7	3	11	22310
4049	.8	12480	225	10	208	1.9	2	1560	1.5	5	28	61440
4050	.4	7260	69	3	203	.7	1	960	.4	6	53	23580
4051	.8	5650	424	2	270	.9	1	2250	3.8	6	55	26930
4052	.6	6000	800	1	312	.5	1	1610	5.4	6	51	15060
4053	.6	9260	105	4	250	1.0	1	2280	.4	10	82	31650
4054	.7	8690	121	4	327	.9	1	850	.9	9	47	26840
4055	.7	5930	44	2	296	1.1	1	2900	.1	6	40	35240
4056	.3	9520	12	5	668	.9	1	890	.3	9	75	27200
4057	.6	12270	25	7	736	.4	1	530	.3	8	71	11690
4058	2.2	6380	122	5	152	1.8	2	430	.1	3	33	63160
4059	.4	7070	290	4	276	.9	1	750	1.6	6	51	28380
4060	1.1	3930	2800	2	177	1.4	1	500	18.3	3	15	45780
4061	1.0	9190	874	6	421	1.2	1	1260	6.4	8	69	36100
4062	.8	5930	810	1	341	.9	1	2430	5.0	4	36	28020
4063	6.7	6590	4770	4	234	1.5	2	1660	32.4	8	208	48790
4064	1.2	7560	789	5	192	1.2	1	1440	7.3	8	75	38460

COMPANY: TOTAL ERICKSON RESOURCES

MIN-EN LABS ICP REPORT

(ACT:F31) PAGE 2 OF 3

PROJECT NO: ENGINEER

705 WEST 15TH ST., NORTH VANCOUVER, B.C. V7M 1T2

FILE NO: 7-1585/P3

ATTENTION: H. SMIT

(604)980-5814 OR (604)988-4524

* TYPE ROCK GEOCHEM * DATE: OCT 17, 1987

(VALUES IN PPM)	K	LI	HG	MN	MO	NA	NI	P	PB	SB	SR	TH
4045	3060	10	4800	346	10	30	17	700	36	34	60	1
4046	2930	9	5410	460	5	20	29	830	31	17	284	1
4047	2730	6	3190	286	12	10	20	300	24	41	253	1
4048	2430	5	2180	229	7	10	1	630	21	42	157	1
4049	2520	7	2460	371	3	10	1	1220	29	49	489	1
4050	2180	3	810	64	2	10	31	240	20	148	203	1
4051	2060	2	680	31	5	10	28	220	24	62	127	1
4052	2310	3	630	47	6	10	32	140	18	47	73	1
4053	3650	5	1730	118	2	30	48	190	20	49	73	1
4054	3430	4	1260	104	8	20	44	210	24	43	95	1
4055	2230	2	730	36	2	10	25	220	21	73	106	1
4056	3070	5	1460	147	1	30	40	340	27	69	182	1
4057	3750	5	840	16	2	40	36	370	17	65	217	1
4058	1680	3	710	18	2	10	6	220	22	91	157	1
4059	2250	4	1060	95	6	10	25	280	20	35	262	1
4060	1560	2	810	79	15	10	9	170	26	99	88	1
4061	3390	5	3650	290	3	30	39	440	27	56	200	1
4062	2190	3	1610	122	5	10	20	240	16	60	140	1
4063	2530	3	2830	205	2	20	32	360	48	133	93	1
4064	3040	4	3850	379	10	30	43	340	27	33	86	1

COMPANY: TOTAL ERICKSON RESOURCES

MIN-EN LABS ICP REPORT

(ACT:F31) PAGE 3 OF 3

PROJECT NO: ENGINEER

705 WEST 15TH ST., NORTH VANCOUVER, B.C. V7M 1T2

FILE NO: 7-1585/P3

ATTENTION: H. SMIT

(604)980-5814 OR (604)988-4524

* TYPE ROCK GEOCHEM * DATE: OCT 17, 1987

(VALUES IN PPM)	U	V	ZN	GA	SN	W	CR	AU-PPB
4045	2	30.5	85	1	1	1	82	240
4046	3	47.5	97	1	1	1	88	50
4047	1	29.3	90	1	1	1	119	280
4048	1	21.0	68	1	1	1	106	160
4049	1	31.8	136	1	1	1	45	40
4050	2	18.3	103	1	1	1	97	20
4051	2	15.8	101	1	1	1	79	50
4052	1	13.5	60	1	1	1	86	120
4053	1	25.3	84	1	1	1	66	20
4054	1	25.4	109	1	1	1	90	25
4055	1	12.9	112	1	1	1	84	20
4056	1	29.7	109	1	1	1	74	10
4057	2	22.2	89	1	1	1	106	30
4058	1	10.6	50	1	1	1	146	50
4059	1	18.1	86	1	1	1	84	60
4060	1	9.6	36	1	1	1	162	240
4061	1	32.4	102	1	1	1	125	300
4062	1	17.0	61	1	1	1	178	275
4063	1	19.9	82	1	1	1	113	2000
4064	1	31.5	97	1	1	1	94	60

MIN-EN LABORATORIES LTD.

Specialists in Mineral Environments

705 West 15th Street North Vancouver, B.C. Canada V7M 1T2

☐ ONE: (604) 980-5814 OR (604) 988-4524

TELEX: VIA USA 7601067 UC

Analytical Report

Company: TOTAL ERICKSON RESOURCES
Project: ENGINEER
Attention: HANS SMIT

File: 7-1558
Date: OCT 10/87
Type: ROCK ASSAY

Date Samples Received : OCT 6/87
Samples Submitted by : HANS SMIT

Report on Geochem Samples
.....
..... 55 Assay Samples
.....

Copies sent to:

1. TOTAL ERICKSON RESOURCES, NORTH VANCOUVER, B.C.
- 2.
- 3.

Samples: Sieved to mesh Ground to mesh -150....

☐ repaired samples stored: X discarded:
rejects stored: X discarded:

Methods of analysis:

AU - FIRE ASSAY.
31 ELEMENT TRACE ICP.

Remarks

MIN-EN LABORATORIES LTD.

Specialists in Mineral Environments

705 West 15th Street North Vancouver, B.C. Canada V7M 1T2

TE: (604) 980-5814 OR (604) 988-4524

TELEX: VIA USA 7601067 UC

Certificate of ASSAY

Company: TOTAL ERICKSON
Project: ENGINEER
Attention: H. SMIT

File: 7-1558/P1
Date: OCT 10/87
Type: ROCK ASSAY

We hereby certify the following results for samples submitted.

Sample Number	AU G/TONNE	AU OZ/TON
4065	0.17	0.005
4066	0.03	0.001
4067	0.08	0.002
4068	0.16	0.005
4069	0.09	0.003
4070	1.86	0.054
4071	1.77	0.057
4072	0.01	0.001
4073	0.63	0.018
4074	0.39	0.011
4075	0.06	0.002
4076	3.21	0.094
4077	0.21	0.006
4078	1.23	0.036
4079	0.29	0.008
4080	0.62	0.001
4081	1.42	0.041
4082	0.08	0.002
4083	0.12	0.012
4084	0.61	0.018
4085	1.21	0.035
4086	0.27	0.008
4087	0.65	0.019
4088	0.53	0.016
4089	0.04	0.001
4090	0.11	0.001
4091	0.63	0.020
4092	0.01	0.001
4093	0.40	0.013
4094	0.75	0.022

Certified by

MIN-EN LABORATORIES LTD.

not 17

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Specialists in Mineral Environments

705 West 15th Street North Vancouver, B.C. Canada V7M 1T2

TE: (604) 980-5814 OR (604) 988-4524

TELEX: VIA USA 7601067 UC

Certificate of ASSAY

Company: TOTAL ERICKSON

Project: ENGINEER

Attention: H. SMIT

File: 7-1358/P2

Date: OCT 10/87

Type: ROCK ASSAY

We hereby certify the following results for samples submitted.

Sample Number	AU G/TONNE	AU OZ/TON
4095	0.42	0.012
4096	0.03	0.001
4097	0.01	0.001
4098	0.03	0.001
4099	0.03	0.001
4100	0.06	0.002
5580	0.02	0.001
5581	0.01	0.001
5582	0.29	0.008
5583	0.19	0.006
5584	0.01	0.001
5585	0.01	0.001
5586	0.02	0.001
5587	0.01	0.001
5588	0.02	0.001
5589	0.01	0.001
5590	0.01	0.001
5591	0.10	0.003
5592	0.02	0.001
5593	0.04	0.001
5594	0.06	0.002
5595	0.01	0.001
5596	0.20	0.006
5597	0.02	0.001
5598	0.13	0.004

Certified by

Eric Smith
MIN-EN LABORATORIES LTD.

717

COMPANY: TOTAL ERICKSON RESOURCES

MIN-EN LABS ICP REPORT

(ACT:F31) PAGE 1 OF 3

PROJECT NO: ENGINEER

705 WEST 15TH ST., NORTH VANCOUVER, B.C. V7M 1T2

FILE NO: 7-1558R/PI+2

ATTENTION: HANS SMIT

(604)980-5814 OR (604)988-4524

* TYPE ROCK GEOCHEM * DATE: OCT 10, 1987

(VALUES IN PPM)	AG	AL	AS	B	BA	BE	BI	CA	CO	CU	FE
4065	1.9	14460	207	12	166	1.0	1	28580	1.8	4	29450
4066	1.5	19170	146	14	106	1.2	2	75120	2.4	6	35710
4067	1.8	19610	339	17	193	1.7	1	40450	4.0	10	52420
4068	2.1	23070	382	20	204	1.8	1	50390	4.7	10	51290
4069	3.9	26870	254	24	174	1.6	2	30640	4.0	10	46830
4070	7.1	7790	6355	7	73	.8	1	12680	151.1	4	22490
4071	13.0	11740	4424	33	108	1.1	4	10310	673.3	9	28750
4072	7.5	24020	356	23	235	1.7	1	10720	10.1	11	45490
4073	7.2	25860	1520	27	209	2.0	2	16340	12.9	10	56810
4074	15.8	19400	985	17	150	1.4	2	20810	11.1	8	36830
4075	2.6	29960	102	30	271	1.8	2	17700	2.1	11	53120
4076	4.4	19780	10584	19	145	1.8	1	21240	81.1	10	52570
4077	3.4	29390	526	26	156	1.9	1	28860	5.1	10	54420
4078	5.0	22390	4745	24	160	1.6	1	31280	36.9	8	43540
4079	1.0	8090	166	4	80	1.0	1	22700	3.5	4	27260
4080	.9	1150	17	1	13	.3	1	17190	1.8	1	6710
4081	6.5	11830	376	8	103	1.3	1	7390	4.3	6	38030
4082	2.0	16440	254	14	116	1.7	1	37270	1.8	8	49450
4083	.8	15040	661	16	158	1.3	1	2070	6.4	7	40460
4084	.9	8410	1292	5	103	1.1	1	1250	8.2	6	34790
4085	2.1	8970	3682	7	89	1.6	1	1180	27.4	6	56070
4086	1.5	12670	1079	11	131	1.4	1	1400	7.6	10	45800
4087	2.3	14690	1715	16	197	1.1	1	1570	11.5	10	34640
4088	1.6	9950	1421	7	123	1.1	1	1270	10.8	10	33330
4089	.5	4410	191	3	57	1.8	1	280	1.1	3	62090
4090	2.7	1850	63	1	27	.4	1	100	.6	1	13900
4091	3.9	6240	1974	1	61	1.2	2	580	13.7	4	37720
4092	1.7	8600	590	7	106	2.2	1	16280	4.3	5	71460
4093	11.1	9010	3722	8	78	2.0	1	24830	29.9	5	66190
4094	4.1	18370	3894	16	117	1.5	1	17350	28.2	10	45020
4095	3.9	16330	1150	16	95	1.4	1	33660	7.5	8	39890
4096	.9	22260	753	21	46	1.6	1	25760	5.0	5	46110
4097	1.0	19370	150	20	57	1.6	1	40820	2.4	8	46500
4098	1.5	19390	62	20	55	1.3	2	66500	.5	8	34250
4099	2.4	8230	44	8	16	.5	3	283840	.1	2	11080
4100	2.8	2350	38	3	38	.4	1	10590	.8	1	11430
5580	1.2	10870	26	14	135	1.4	1	31650	2.6	7	37880
5581	1.4	11890	54	13	154	1.6	1	59370	4.4	7	43280
5582	2.3	5780	239	7	74	1.2	1	6630	2.3	5	36400
5583	27.1	7390	318	10	110	1.5	2	10180	2.7	6	44130
5584	3.1	16070	67	17	142	1.5	1	40150	1.7	9	39070
5585	.9	11950	50	13	117	1.1	1	16810	1.3	6	29950
5586	.3	1080	35	1	16	.3	1	13110	.4	1	8480
5587	.7	16740	20	15	355	1.3	1	25400	2.5	5	33630
5588	1.4	10930	24	11	100	1.2	3	59450	3.8	3	29860
5589	.9	23250	40	20	133	1.3	1	71170	1.6	7	34080
5590	1.2	25000	49	21	133	1.5	1	66170	1.6	8	35420
5591	1.2	18470	25	16	105	1.3	1	52590	1.4	6	35880
5592	.9	7140	52	5	75	.9	1	12710	1.4	5	26070
5593	1.2	22980	74	19	130	1.5	1	22220	1.9	9	42910
5594	1.2	1070	29	1	12	.3	1	133490	.3	1	5940
5595	1.1	24960	95	21	92	1.6	2	50510	1.8	8	41610
5596	.9	3810	465	1	33	.5	1	55770	2.3	1	12380
5597	1.0	26990	1	23	127	1.5	2	10050	.6	7	44470
5598	1.9	15630	33	10	89	1.0	1	91460	.8	4	29950

OCT 17 1987

(VALUES IN PPM)	K	LI	MG	MN	MO	NA	NI	P	PB	SB	SR	TH
4065	3200	17	8660	450	11	20	10	310	24	21	174	1
4066	2180	25	19270	978	1	30	10	420	30	3	691	1
4067	4210	19	14130	591	2	40	26	660	25	13	412	1
4068	5410	19	14850	807	1	40	28	650	29	15	521	1
4069	4590	25	14540	592	1	40	31	650	40	19	99	1
4070	1840	5	4670	201	3	50	13	250	335	619	48	1
4071	3150	7	4740	170	11	80	23	490	2489	1434	60	1
4072	5460	24	9580	324	1	110	27	620	293	256	45	1
4073	5360	26	10670	483	1	80	23	660	52	126	57	1
4074	3720	17	10340	433	1	70	18	460	496	191	75	1
4075	7910	28	12530	499	1	160	25	620	29	52	72	1
4076	4140	19	8830	359	2	60	23	500	638	70	106	1
4077	5850	30	14230	571	2	70	30	650	58	18	112	1
4078	5710	15	9340	509	6	50	24	660	47	28	233	1
4079	2120	9	13350	575	4	80	13	290	34	4	132	1
4080	510	1	9170	68	27	10	5	40	23	2	71	1
4081	3710	8	5650	182	4	40	19	410	147	12	51	1
4082	4440	12	8960	648	7	30	24	500	37	11	216	1
4083	5390	7	3080	277	4	40	20	440	15	24	19	1
4084	3380	2	1290	96	14	30	14	290	14	26	39	1
4085	3490	1	1010	23	8	30	11	360	34	60	43	1
4086	4710	3	1120	18	1	40	30	460	23	53	141	1
4087	5430	4	1370	150	2	60	32	490	19	74	112	1
4088	3810	2	860	15	2	30	32	370	21	55	38	1
4089	1620	1	670	23	1	20	5	150	9	160	16	1
4090	640	2	250	54	1	10	6	40	8	45	13	1
4091	2270	2	740	26	2	20	11	180	12	138	29	1
4092	3190	3	7870	308	2	20	5	420	24	29	33	1
4093	2300	7	5370	423	1	30	6	510	204	87	158	1
4094	3920	18	9700	434	1	40	27	620	256	70	91	1
4095	3120	17	10200	565	2	40	25	510	43	19	140	1
4096	3180	22	13550	583	6	10	19	640	28	1	77	1
4097	3780	19	12110	619	3	30	36	680	35	23	67	1
4098	3780	22	9460	774	1	10	31	410	25	4	131	1
4099	520	11	8340	2430	1	10	3	170	34	2	570	1
4100	900	1	4640	92	1	10	6	70	12	16	54	1
5580	3480	8	15160	619	1	60	23	530	36	21	95	1
5581	3210	9	27530	1039	2	90	23	610	41	17	129	1
5582	2090	3	4690	138	1	30	14	250	20	144	97	1
5583	3040	4	7080	269	1	30	20	410	21	3609	56	1
5584	3700	17	13800	682	1	130	29	540	23	23	111	1
5585	3400	13	8830	455	5	90	31	560	21	10	113	1
5586	260	3	4840	151	1	20	8	40	12	9	20	1
5587	2380	25	14970	522	1	90	18	400	24	2	52	1
5588	2000	16	26370	811	2	100	8	290	32	2	102	1
5589	3760	34	14190	1000	1	150	22	500	20	5	225	1
5590	3980	38	18240	745	1	190	26	500	32	2	194	1
5591	3320	22	16140	727	5	90	18	500	27	1	190	1
5592	2140	5	6340	226	11	60	19	230	17	11	51	1
5593	4150	28	11810	463	2	130	24	550	25	4	77	1
5594	250	2	7870	876	1	20	1	70	23	1	513	1
5595	4750	35	15940	696	1	120	18	540	21	6	116	1
5596	1210	4	5110	415	2	30	5	90	15	77	71	1
5597	3290	48	12370	332	88	240	21	520	42	1	26	1
5598	1660	29	13370	1230	1	80	9	390	25	3	679	1

OCT 17 1987

COMPANY: TOTAL ERICKSON RESOURCES

MIN-EN LABS ICP REPORT

(ACT:F31) PAGE 3 OF 3

PROJECT NO: ENGINEER

705 WEST 15TH ST., NORTH VANCOUVER, B.C. V7M 1T2

FILE NO: 7-15588/P1+2

ATTENTION: HANS SMIT

(604)980-5814 OR (604)988-4524

* TYPE ROCK GEOCHEM * DATE: OCT 10, 1987

(VALUES IN PPM)	U	V	ZN	BA	SN	W	CR
4065	1	38.9	61	1	1	1	108
4066	4	33.4	70	1	1	2	28
4067	5	33.2	115	2	2	2	41
4068	3	32.7	248	2	2	2	25
4069	3	63.3	164	3	2	2	72
4070	1	15.9	15113	2	1	14	198
4071	2	24.0	167036	1	1	78	88
4072	2	46.7	1087	1	1	3	51
4073	2	51.4	359	1	2	2	37
4074	3	36.8	562	1	2	2	75
4075	1	60.7	160	1	1	3	36
4076	1	36.1	498	1	1	2	39
4077	5	75.1	140	1	2	3	30
4078	2	44.3	267	3	2	2	58
4079	2	40.7	78	2	1	1	131
4080	1	18.7	22	1	1	1	150
4081	2	30.0	120	2	1	1	134
4082	2	41.7	90	3	2	2	78
4083	1	32.8	139	1	1	1	126
4084	1	23.7	101	1	1	1	155
4085	1	23.9	138	1	1	1	147
4086	1	30.6	144	1	1	1	80
4087	1	37.8	136	1	1	1	90
4088	1	24.0	117	1	1	1	89
4089	1	7.7	45	1	1	1	183
4090	1	4.7	17	1	1	1	392
4091	1	13.7	49	1	1	1	172
4092	1	23.0	61	1	1	1	95
4093	1	18.1	409	1	2	2	86
4094	1	36.9	133	1	2	2	42
4095	1	36.5	136	2	2	2	45
4096	2	70.2	147	3	2	2	102
4097	1	47.1	118	2	1	2	45
4098	3	40.4	83	1	1	2	26
4099	5	13.8	18	1	1	1	2
4100	1	11.0	13	1	1	1	182
5580	4	36.9	95	1	1	2	81
5581	2	52.9	92	2	1	2	38
5582	1	18.7	49	1	1	1	138
5583	1	19.6	110	1	1	1	115
5584	1	67.2	105	3	1	2	46
5585	1	84.0	83	2	1	2	113
5586	1	7.6	17	1	1	1	309
5587	1	56.4	92	1	1	2	104
5588	3	33.7	41	2	1	2	140
5589	1	71.2	83	2	1	2	29
5590	2	57.0	98	2	1	2	29
5591	3	76.9	90	1	1	2	48
5592	1	47.3	59	1	1	1	169
5593	2	74.9	113	2	1	2	76
5594	6	6.5	7	2	1	1	118
5595	2	61.3	106	1	1	3	55
5596	3	14.9	20	1	1	1	194
5597	2	124.0	101	2	1	3	102
5598	2	36.2	65	2	1	2	107

OCT 17 1987

MIN-EN LABORATORIES LTD.

Specialists in Mineral Environments

705 West 15th Street North Vancouver, B.C. Canada V7M 1T2

PHONE: (604) 980-5814 OR (604) 988-4524

TELEX: VIA USA 7601067 UC

Analytical Report

Company: TOTAL ERICKSON RESOURCES
Project:
Attention:

File: 7-1578
Date: OCT 14/87
Type: ROCK ASSAY

Date Samples Received : OCT 8/87
Samples Submitted by :

Report on Geochem Samples
.....
.....72..... Assay Samples
.....

Copies sent to:

1. TOTAL ERICKSON RESOURCES, NORTH VANCOUVER, B.C.
- 2.
- 3.

Samples: Sieved to mesh Ground to mesh -150.....

Prepared samples stored:X.... discarded:
rejects stored:X.... discarded:

Methods of analysis:

AU-FIRE ASSAY.
31 ELEMENT TRACE ICP.

Remarks

MIN-EN LABORATORIES LTD.*Specialists in Mineral Environments*

705 West 15th Street North Vancouver, B.C. Canada V7M 1T2

PHONE: (604) 980-5814 OR (604) 988-4524

TELEX: VIA USA 7601067 UC

Certificate of ASSAY

Company: TOTAL ERICKSON RESOURCES
Project:
Attention:

File: 7-1578/P1
Date: OCT 13/87
Type: ROCK ASSAY

We hereby certify the following results for samples submitted.

Sample Number	AU G/TONNE	AU OZ/TON
5240	.37	0.011
5241	9.35	0.273
5242	2.10	0.061
5243	.19	0.006
5244	.06	0.002
5245	.06	0.002
5246	.12	0.004
5247	.14	0.004
5248	.19	0.006
5249	.16	0.005
5250	.11	0.003
5251	.02	0.001
5252	.03	0.001
E18101	.02	0.001
E18102	.02	0.001
E18103	.56	0.016
E18104	.21	0.006
E18105	1.70	0.050
E18106	.36	0.011
E18107	.02	0.001
E18108	.16	0.005
E18109	1.53	0.045
E18110	.60	0.018
E18111	.66	0.019
E18112	.73	0.021
E18113	1.55	0.045
E18114	.20	0.006
E18115	.14	0.004
E18116	.02	0.001
E18117	.20	0.006

Certified by

MIN-EN LABORATORIES LTD.

MIN-EN LABORATORIES LTD.*Specialists in Mineral Environments*

705 West 15th Street North Vancouver, B.C. Canada V7M 1T2

PHONE: (604) 980-5814 OR (604) 988-4524

TELEX: VIA USA 7601067 UC

Certificate of ASSAY

Company: TOTAL ERICKSON RESOURCES

Project:

Attention:

File: 7-1578/P2

Date: OCT 13/87

Type: ROCK ASSAY

We hereby certify the following results for samples submitted.

Sample Number	AU G/TONNE	AU OZ/TON
E18118	.06	0.002
E18119	.27	0.008
E18120	.01	0.001
E18121	.01	0.001
E18122	.01	0.001
E18123	.03	0.001
E18124	.01	0.001
E18125	.02	0.001
E18126	.02	0.001
E18127	.04	0.001
E18128	.39	0.011
E18129	.20	0.006
E18130	.08	0.002
E18131	2.40	0.070
E18132	.09	0.003
E18133	.02	0.001
E18134	.02	0.001
E18135	.12	0.004
E18136	.02	0.001
E18137	.10	0.003
E18138	.03	0.001
E18139	.02	0.001
E18140	.02	0.001
E18141	.02	0.001
E18142	.12	0.004
E18143	.03	0.001
E18144	.12	0.004
E18145	.08	0.002
E18146	.17	0.005
E18147	1.85	0.054

Certified by

MIN-EN LABORATORIES LTD.

MIN-EN LABORATORIES LTD.*Specialists in Mineral Environments*

705 West 15th Street North Vancouver, B.C. Canada V7M 1T2

PHONE: (604) 980-5814 OR (604) 988-4524

TELEX: VIA USA 7601067 UC

Certificate of ASSAY

Company: TOTAL ERICKSON

Project:

Attention:

File: 7-1578/P3

Date: OCT 13/87

Type: ROCK ASSAY

We hereby certify the following results for samples submitted.

Sample Number	AU G/TONNE	AU OZ/TON
E18148	.05	0.001
E18149	.04	0.001
E18150	.04	0.001
E18151	.02	0.001
E18152	.02	0.001
E18153	.08	0.002
E18154	.06	0.002
E18155	.03	0.001
E18156	.02	0.001
E18157	.17	0.005
E18158	.02	0.001
E18159	.03	0.001

Certified by

MIN-EN LABORATORIES LTD.

PROJECT NO:

705 WEST 15TH ST., NORTH VANCOUVER, B.C. V7M 1T2

FILE NO: 7-1578/P1+2

ATTENTION:

(604)980-5814 OR (604)988-4524

* TYPE ROCK BEDCHEN * DATE: OCT 13, 1987

(VALUES IN PPM)	AG	AL	AS	B	BA	BE	BI	CA	CD	CO	CU	FE
5240	2.2	7300	992	6	63	1.3	1	9860	14.4	7	70	39270
5241	9.5	2430	2308	1	34	1.0	1	2540	22.2	4	25	32070
5242	3.2	2050	3251	1	30	1.0	1	1270	29.3	3	21	34080
5243	1.1	6590	473	7	92	1.9	2	2560	5.9	9	59	59120
5244	.5	12440	340	9	65	1.3	1	6930	4.7	7	55	38940
5245	.8	5330	108	4	68	1.0	1	1680	2.2	7	59	31440
5246	1.3	7550	113	9	102	1.4	1	2150	2.7	9	75	45100
5247	1.0	3150	107	1	44	.8	1	1300	1.6	5	33	24320
5248	1.8	3950	135	1	50	.8	1	1220	2.7	5	40	26150
5249	2.8	2350	178	1	29	.4	1	540	2.3	3	23	12620
5250	1.6	2570	200	1	30	.6	1	530	2.0	3	13	21020
5599	1.5	16420	7	15	68	1.5	1	72030	2.1	2	29	47240
5600	1.5	18770	74	16	130	1.5	1	33480	2.0	7	51	42130
E18101	.6	4060	302	1	55	1.0	1	2510	3.8	9	110	32130
E18102	.6	6000	81	5	67	1.6	1	6170	2.9	9	91	51940
E18103	2.3	10700	2223	12	88	1.6	1	20680	21.6	9	84	47220
E18104	6.7	11720	252	13	86	1.6	2	12290	7.2	9	137	46850
E18105	6.8	6480	2920	9	69	2.0	1	12140	30.6	7	75	65300
E18106	5.1	9790	283	10	85	1.6	1	11440	4.9	7	81	49290
E18107	1.4	12650	68	13	100	1.5	2	18220	3.0	8	101	46920
E18108	1.1	14830	426	12	79	1.3	1	29330	5.1	8	89	39150
E18109	7.6	11690	4702	10	65	1.2	1	21190	47.3	7	147	37910
E18110	5.4	17230	1819	15	83	1.5	2	30700	18.0	8	71	44890
E18111	4.2	16590	2282	14	97	1.5	2	50080	22.2	6	72	41870
E18112	5.8	12520	2865	11	75	1.3	1	21550	27.2	9	95	38770
E18113	73.4	16170	2609	18	85	2.6	7	3190	32.2	11	791	84030
E18114	4.5	16080	214	15	96	1.7	1	8610	5.2	11	117	52460
E18115	1.8	18380	44	16	103	1.5	3	29230	2.3	9	78	42490
E18116	1.1	3660	172	1	101	.7	1	1420	2.4	4	45	22310
E18117	4.0	4060	262	2	112	.7	1	2120	3.4	6	52	23840
E18118	7.3	2080	105	1	66	.4	1	10910	2.5	2	12	11760
E18119	2.7	6470	422	6	305	1.1	1	3380	4.9	6	54	33010
E18120	.8	10270	66	12	374	1.6	1	10360	2.4	6	54	46480
E18121	1.3	5510	39	5	148	1.3	1	65600	2.9	3	23	32570
E18122	.9	13520	51	15	208	1.5	1	32620	2.5	6	65	41110
E18123	1.4	11240	155	9	95	1.3	1	42250	2.8	7	61	39610
E18124	2.0	18970	24	18	116	1.7	2	36170	1.9	9	79	50160
E18125	1.6	5140	67	3	74	1.0	1	13100	2.0	5	55	28980
E18126	1.2	6540	52	5	236	.9	1	2690	.7	6	11	28600
E18127	.8	4320	80	1	180	.7	1	2960	1.2	4	24	19260
E18128	1.4	2370	350	1	84	.5	1	3550	3.6	3	41	16410
E18129	1.8	2900	265	1	62	.7	1	15020	3.1	3	25	21160
E18130	1.7	18440	57	16	142	1.6	1	38820	2.5	9	93	46140
E18131	2.1	18100	21	14	98	1.4	2	10740	2.2	8	194	40370
E18132	1.7	15840	51	13	85	1.4	1	46180	3.5	7	79	40310
E18133	1.6	14200	47	16	120	1.4	1	67810	2.5	8	84	40960
E18134	1.5	16360	90	16	113	1.4	2	48010	2.7	8	91	42740
E18135	1.6	12320	68	12	123	1.4	2	75550	3.5	6	54	39670
E18136	1.1	24990	10	25	190	1.8	1	38750	2.3	10	99	50730
E18137	1.4	17230	25	20	214	1.8	2	55670	3.9	9	109	52000
E18138	1.2	18280	48	15	94	1.3	1	55570	2.6	7	58	38580
E18139	1.2	19560	36	17	134	1.7	1	25400	2.8	10	90	50900
E18140	.7	24650	14	25	253	1.7	1	17850	2.0	10	92	48560
E18141	1.1	23430	87	23	189	1.7	1	23500	2.0	10	94	50310
E18142	1.1	20580	151	20	196	1.7	1	29790	3.2	10	88	48890
E18143	1.1	24420	40	25	160	1.7	1	39620	3.2	8	83	51870
E18144	1.3	22430	85	21	132	1.5	1	48130	1.9	7	59	45820
E18145	1.1	24230	108	24	145	1.4	1	48450	2.7	8	77	40440
E18146	1.1	16610	154	15	121	1.2	1	16630	2.9	7	57	36410
E18147	1.1	20470	47	20	144	1.4	1	37500	3.1	7	74	40000

PROJECT NO:

705 WEST 15TH ST., NORTH VANCOUVER, B.C. V7M 1T2

FILE NO: 7-1578/P1+2

ATTENTION:

(604)980-5814 OR (604)988-4524

* TYPE ROCK GEOCHEM * DATE: OCT 13, 1987

(VALUES IN PPM)	K	LI	MG	MN	MO	NA	NI	P	PB	SB	SR	TH
5240	2030	6	4870	285	9	30	19	450	116	16	63	1
5241	1180	2	1690	68	41	10	10	250	28	43	22	1
5242	970	1	1100	84	9	10	9	180	17	47	11	1
5243	2970	2	2450	524	1	30	19	470	24	15	9	1
5244	2260	13	10300	321	1	20	22	570	23	46	60	1
5245	2200	3	2050	147	5	20	21	370	17	27	24	1
5246	2850	6	2910	208	2	30	24	480	19	40	23	1
5247	1340	3	1890	200	5	10	15	300	14	30	15	1
5248	1830	3	2050	155	3	10	15	280	16	37	16	1
5249	1100	1	680	75	1	10	12	130	10	95	8	1
5250	1330	1	350	23	37	10	9	150	17	17	8	1
5599	1410	15	16500	893	2	10	1	540	35	13	264	1
5600	3090	17	12090	591	8	30	15	690	35	11	89	1
E18101	1670	2	1960	416	1	10	32	490	21	33	22	1
E18102	1480	7	8560	403	1	30	30	510	29	35	34	1
E18103	2470	12	13600	505	1	40	25	540	55	40	44	1
E18104	2610	12	11430	445	1	40	26	460	382	86	33	1
E18105	2010	6	7970	360	3	30	22	550	715	153	30	1
E18106	2510	9	10140	667	1	40	18	540	73	64	33	1
E18107	3000	11	12450	451	1	50	28	580	37	25	38	1
E18108	2890	15	9230	493	5	30	26	620	37	17	179	1
E18109	2270	12	7940	369	2	30	19	410	667	57	65	1
E18110	2800	21	11770	477	1	30	23	500	46	24	77	1
E18111	2220	18	13960	670	1	20	14	390	48	19	143	1
E18112	2400	13	8810	412	1	30	24	470	39	22	74	1
E18113	2880	17	10200	607	1	30	29	670	3180	71	25	1
E18114	3670	14	9850	390	2	40	36	620	71	39	30	1
E18115	3780	24	11730	336	1	600	23	640	36	13	98	1
E18116	1450	3	1320	111	7	20	13	190	20	25	46	1
E18117	1820	1	1200	30	1	20	15	280	18	59	51	1
E18118	790	2	5720	120	1	30	5	110	13	28	58	1
E18119	2160	6	3790	120	2	50	18	390	19	62	254	1
E18120	3180	9	8850	352	1	80	16	450	24	15	211	1
E18121	1800	5	19010	1164	4	40	7	240	32	4	179	1
E18122	3000	14	12860	669	3	70	14	490	25	3	158	1
E18123	2640	14	7630	625	4	20	21	500	24	11	244	1
E18124	3290	21	11070	692	1	80	26	520	27	11	201	1
E18125	1840	3	5840	272	18	40	18	400	21	22	57	1
E18126	2260	5	3670	114	14	40	22	420	20	16	175	1
E18127	1600	4	3030	81	23	20	15	240	15	11	144	1
E18128	1130	1	2480	46	23	20	10	140	14	16	40	1
E18129	1200	1	7840	232	7	20	9	160	19	31	71	1
E18130	2900	22	12750	762	3	90	26	570	31	8	152	1
E18131	2490	24	12090	363	1	110	24	450	24	6	47	1
E18132	2140	21	12280	870	5	50	20	610	28	7	156	1
E18133	2620	16	10980	1256	2	50	22	460	33	10	244	1
E18134	2060	16	12760	802	2	60	22	540	32	8	193	1
E18135	2480	11	15040	1197	2	50	17	880	36	12	277	1
E18136	4540	25	15630	775	1	100	22	630	22	10	120	1
E18137	3340	13	13210	905	1	100	26	670	36	12	195	1
E18138	1780	20	14830	726	1	90	18	500	28	2	231	1
E18139	2490	23	13330	503	2	130	29	620	29	12	114	1
E18140	3690	23	13960	452	1	80	28	710	20	3	92	1
E18141	3200	25	12610	549	3	60	28	600	28	6	95	1
E18142	2880	22	12210	497	2	70	29	610	38	9	146	1
E18143	2440	23	15020	605	5	60	20	580	30	6	262	1
E18144	2210	23	14740	594	3	60	17	800	36	3	295	1
E18145	2800	23	16060	593	1	60	18	480	26	1	318	1
E18146	2390	18	10290	314	8	40	22	400	21	8	72	1
E18147	2590	25	12790	587	10	50	18	480	27	8	235	1

PROJECT NO:

705 WEST 15TH ST., NORTH VANCOUVER, B.C. V7M 1T2

FILE NO: 7-1578/P1+2

ATTENTION:

(604)980-5814 DR (604)988-4524

* TYPE ROCK GEOCHEM * DATE: OCT 13, 1987

(VALUES IN PPM)	U	V	ZN	GA	SN	W	CR
5240	1	26.4	650	1	1	2	66
5241	1	11.9	75	1	1	1	97
5242	1	9.4	114	1	1	1	118
5243	1	18.7	163	1	1	1	53
5244	1	38.8	98	1	1	2	75
5245	1	22.3	97	1	1	1	90
5246	1	24.9	125	1	1	1	57
5247	1	13.3	64	1	1	1	111
5248	1	12.9	78	1	1	1	101
5249	1	8.0	37	1	1	1	166
5250	1	15.5	54	1	1	1	136
5599	4	12.4	153	2	1	2	30
5600	2	30.1	113	1	2	2	19
E18101	1	16.5	116	1	1	1	58
E18102	2	24.2	117	1	1	1	54
E18103	2	39.7	151	1	1	2	45
E18104	2	28.6	647	1	1	2	32
E18105	3	22.4	568	2	2	2	50
E18106	1	31.2	187	1	1	2	52
E18107	1	31.7	117	1	1	2	28
E18108	3	40.3	149	1	1	2	41
E18109	1	28.1	498	1	1	2	68
E18110	4	39.0	125	1	2	2	41
E18111	5	40.9	269	2	1	2	40
E18112	1	27.0	127	1	1	2	46
E18113	2	38.0	1300	2	2	3	68
E18114	2	41.1	300	1	1	2	70
E18115	3	54.5	157	1	1	2	59
E18116	1	13.8	64	1	1	1	105
E18117	2	7.9	80	1	1	1	81
E18118	1	5.4	22	1	1	1	126
E18119	1	19.7	71	1	1	1	99
E18120	1	36.5	100	1	1	2	82
E18121	2	23.1	41	3	1	1	54
E18122	1	37.9	89	3	2	2	67
E18123	1	29.6	92	1	1	2	61
E18124	3	51.5	125	1	2	2	48
E18125	1	22.0	81	1	1	1	83
E18126	2	28.6	66	1	1	1	102
E18127	1	18.5	47	1	1	1	109
E18128	1	10.9	30	1	1	1	129
E18129	3	10.6	31	1	1	1	112
E18130	6	53.6	131	1	1	2	39
E18131	1	53.6	114	2	2	2	70
E18132	2	49.7	171	1	1	2	37
E18133	7	34.1	116	1	1	2	33
E18134	1	35.8	126	4	2	2	40
E18135	7	42.4	149	4	1	2	32
E18136	7	68.3	132	4	2	3	29
E18137	9	55.9	294	4	2	2	33
E18138	4	44.6	80	3	2	2	31
E18139	5	50.5	137	1	2	2	54
E18140	2	52.5	133	1	2	3	57
E18141	5	49.8	140	1	2	3	58
E18142	3	44.0	131	3	2	2	38
E18143	3	46.4	125	2	2	3	53
E18144	2	44.6	80	2	2	2	66
E18145	2	35.1	88	1	2	2	43
E18146	1	33.3	73	1	1	2	112
E18147	2	40.0	88	1	2	2	41

COMPANY: TOTAL ERICKSON RESOURCES

MIN-EN LABS ICP REPORT

(ACT:F31) PAGE 1 OF 3

PROJECT NO:

705 WEST 15TH ST., NORTH VANCOUVER, B.C. V7M 1T2

FILE NO: 7-1578/P3

ATTENTION:

(604)980-5814 OR (604)988-4524

* TYPE ROCK GEOCHEM *

DATE: OCT 13, 1987

(VALUES IN PPM)	AG	AL	AS	B	BA	BE	BI	CA	CD	CO	CU	FE
E18148	.7	23990	55	17	147	1.9	2	25240	1.9	11	105	55120
E18149	1.0	23930	29	18	141	1.8	2	37070	2.6	9	85	51960
E18150	1.2	23750	40	17	180	1.8	3	35530	2.5	10	87	53570
E18151	.8	22570	11	16	171	1.6	1	33880	1.5	8	81	47240
E18152	1.1	18660	26	13	391	1.7	1	59520	2.3	8	76	48850
E18153	1.4	12940	38	5	117	1.4	1	14800	2.5	9	67	41960
E18154	1.2	3890	31	1	59	.5	1	13950	1.0	3	11	13840
E18155	1.3	21500	63	12	92	1.7	2	58880	2.5	9	94	50080
E18156	2.3	22000	58	13	127	1.8	1	24670	2.7	10	139	52090
E18157	1.9	25760	231	16	123	1.6	1	106940	5.6	7	78	47260
E18158	1.8	17990	31	9	121	1.4	1	16980	2.1	8	76	41680
E18159	1.3	30580	4	20	131	1.7	2	64690	1.5	10	91	46240

COMPANY: TOTAL ERICKSON RESOURCES

MIN-EN LABS ICP REPORT

(ACT:F31) PAGE 2 OF 3

PROJECT NO:

705 WEST 15TH ST., NORTH VANCOUVER, B.C. V7M 1T2

FILE NO: 7-1578/P3

ATTENTION:

(604)980-5814 OR (604)988-4524

* TYPE ROCK GEOCHEM * DATE: OCT 13, 1987

(VALUES IN PPM)	K	LI	MG	MN	MO	NA	NI	P	PB	SB	SR	TH
E18148	2640	31	15330	514	24	90	38	830	39	3	155	1
E18149	2630	29	15020	618	1	60	21	600	31	5	235	1
E18150	2700	25	15310	603	1	100	22	600	26	2	232	1
E18151	2750	20	15360	614	1	100	17	510	25	3	167	1
E18152	2490	16	15510	899	1	100	21	620	34	5	296	1
E18153	2470	14	11460	440	9	40	28	520	19	9	89	1
E18154	1300	4	7140	278	46	30	11	180	21	5	92	1
E18155	1820	29	16380	973	1	150	27	640	28	2	402	1
E18156	2460	26	15850	545	1	160	33	440	35	20	193	1
E18157	3250	38	19770	1655	19	70	20	1030	34	6	544	2
E18158	3770	18	11510	358	22	60	23	470	24	14	108	1
E18159	3270	48	23480	803	1	150	21	700	30	7	170	1

COMPANY: TOTAL ERICKSON RESOURCES

MIN-EN LABS ICP REPORT

(ACT:F31) PAGE 3 OF 3

PROJECT NO:

705 WEST 15TH ST., NORTH VANCOUVER, B.C. V7M 1T2

FILE NO: 7-1578/P3

ATTENTION:

(604)980-5814 OR (604)988-4524

* TYPE ROCK GEOCHEM * DATE: OCT 13, 1987

(VALUES IN PPM)	U	V	ZN	GA	SN	W	CR
E18148	2	59.9	142	2	2	3	52
E18149	5	41.7	119	2	2	2	56
E18150	2	46.9	148	3	3	3	47
E18151	2	46.2	131	2	1	2	52
E18152	5	47.7	126	2	2	2	46
E18153	2	59.4	123	1	2	2	62
E18154	2	27.9	35	1	1	1	171
E18155	4	50.1	158	2	2	3	38
E18156	2	60.7	147	1	3	2	74
E18157	2	97.7	197	2	2	3	37
E18158	2	76.2	119	1	2	2	141
E18159	1	61.2	113	2	2	3	37

MIN-EN LABORATORIES LTD.

Specialists in Mineral Environments

705 West 15th Street North Vancouver, B.C. Canada V7M 1T2

PHONE: (604) 980-5814 OR (604) 988-4524

TELEX: VIA USA 7801067 UC

Analytical Report

Company: TOTAL ERICKSON RESOURCES
Project: ENGINEER
Attention: H. SMIT

File: 7-1672
Date: OCT 26/87
Type: ROCK ASSAY

Date Samples Received : OCT 21/87
Samples Submitted by : H. SMIT

Report on Geochem Samples
.....
..... 29 Assay Samples
.....

Copies sent to:

1. TOTAL ERICKSON RESOURCES, NORTH VANCOUVER, B.C.
- 2.
- 3.

Samples: Sieved to mesh: Ground to mesh:-100.....

Prepared samples stored:X.... discarded:
rejects stored:X.... discarded:

Methods of analysis: AU-FIRE
31 ELEMENT TRACE ICP

Remarks

MIN-EN LABORATORIES LTD.

Specialists in Mineral Environments

705 West 15th Street North Vancouver, B.C. Canada V7M 1T2

E: (604) 960-5814 OR (604) 988-4524

TELEX: VIA USA 7601067 UC

Certificate of ASSAY

Company: TOTAL ERICKSON RESOURCES
Project: ENGINEER
Attention: H. SMIT

File: 7-1672/P1
Date: OCT 26/87
Type: ROCK ASSAY

We hereby certify the following results for samples submitted.

Sample Number	AU G/TONNE	AU OZ/TON
---------------	------------	-----------

5386	.06	0.002
5387	.04	0.001
5388	.02	0.001
5389	.05	0.001
5390	.01	0.001

5391	.03	0.001
5392	1.62	0.047
5393	1.37	0.040
E18160	.10	0.003
E18161	.04	0.001

E18162	.05	0.001
E18163	.06	0.002
E18164	.04	0.001
E18165	.07	0.002
E18166	.32	0.009

E18167	.06	0.002
E18168	.02	0.001
E18169	.01	0.001
E18170	.01	0.001
E18171	.04	0.001

E18172	.02	0.001
E18173	.03	0.001
E18174	.02	0.001
E18175	.01	0.001
E18176	.02	0.001

E18177	.01	0.001
E18178	.02	0.001
E18179	.01	0.001
E18180	.04	0.001

Certified by

MIN-EN LABORATORIES LTD.

PROJECT NO: ENGINEER

705 WEST 15TH ST., NORTH VANCOUVER, B.C. V7M 1T2

FILE NO: 7-1672

ATTENTION: H. SMIT

(604)980-5814 OR (604)988-4524

* TYPE ROCK GEOCHEM *

DATE: OCT 26, 1987

(VALUES IN PPM)	AG	AL	AS	B	BA	BE	BI	CA	CD	CO	CU	FE
53 86	1.6	4620	85	1	37	.4	1	820	1.3	2	95	13500
53 87	1.3	4920	67	1	37	.4	1	620	.8	1	42	13810
53 88	2.5	5200	61	1	35	.5	1	270	.3	1	115	14590
53 89	.9	5630	124	1	52	.5	1	710	1.2	1	56	13660
53 90	.3	620	15	1	8	.2	3	590	.1	1	46	5120
53 91	.3	4360	27	1	45	.4	2	690	.8	2	58	11690
53 92	25.2	2670	24	1	352	.4	7	9560	18.0	2	369	10940
53 93	2.4	5690	3637	1	32	.6	1	31850	32.3	2	19	16380
E181 60	1.0	22050	61	19	52	.8	6	47790	1.4	9	30	18090
E181 61	.5	44930	3	30	19	.8	1	118610	.1	6	24	20550
E181 62	.8	17490	452	14	80	1.4	1	81230	3.6	5	29	35650
E181 63	1.8	4550	316	1	42	.5	1	25580	3.6	2	24	11930
E181 64	.6	9690	59	6	75	1.0	1	7990	2.1	6	63	27720
E181 65	.7	6380	152	1	52	.7	1	4940	2.1	4	56	18690
E181 66	3.4	13020	1150	8	47	1.2	1	3200	11.0	7	224	32930
E181 67	.4	7770	96	4	23	.9	1	6770	2.0	3	63	24640
E181 68	.8	28360	4	20	451	1.2	2	46520	.6	7	76	34500
E181 69	1.1	38630	6	26	846	1.2	2	75040	.7	8	65	31270
E181 70	1.0	27150	7	18	80	1.5	2	48570	1.8	9	50	43470
E181 71	1.0	18910	74	11	49	1.0	1	122810	.2	5	37	24220
E181 72	1.4	29180	42	22	37	1.6	1	76380	3.2	11	69	47550
E181 73	.9	21280	125	12	23	1.1	2	122310	3.1	7	45	32450
E181 74	.9	24940	87	15	24	1.2	2	96500	3.0	7	43	37680
E181 75	.9	45000	16	33	94	2.3	2	22600	16.6	9	81	68220
E181 76	.6	36770	37	56	117	1.9	2	11040	4.5	11	84	56720
E181 77	.6	34770	41	27	103	2.0	1	20040	3.8	10	70	60430
E181 78	1.0	28680	65	27	118	2.1	2	53970	2.3	11	91	61330
E181 79	1.6	3240	42	1	36	.4	1	212220	.3	2	4	10860
E181 80	1.1	12170	367	6	44	1.3	1	77660	5.0	6	56	38540

PROJECT NO: ENGINEER

705 WEST 15TH ST., NORTH VANCOUVER, B.C. V7M 1T2

FILE NO: 7-1672

ATTENTION: H.SMIT

(604)980-5814 OR (604)988-4524

* TYPE ROCK BEDCHEM *

DATE: OCT 26, 1987

(VALUES IN PPM)	K	LI	MG	MN	MO	NA	NI	P	PB	SB	SR	TH
53 86	1100	4	2500	100	24	40	6	140	22	1	5	1
53 87	1290	4	2280	92	12	20	4	220	24	1	8	1
53 88	1400	4	1610	111	16	20	4	140	13	2	5	1
53 89	1730	4	1640	79	17	10	3	130	15	1	8	1
53 90	170	1	340	97	1	10	5	30	8	1	3	1
53 91	1040	4	920	278	2	60	10	200	9	1	3	1
53 92	1450	1	5290	282	1	40	9	100	611	73	39	1
53 93	1350	6	7090	271	46	30	10	170	42	88	54	1
E181 60	690	17	11150	447	1	1700	34	590	23	2	185	1
E181 61	1410	27	8220	532	2	700	21	490	10	3	120	1
E181 62	3400	22	8140	732	1	80	8	490	19	4	39	1
E181 63	1430	4	5750	227	14	40	9	150	24	4	74	1
E181 64	2260	9	9730	253	1	110	24	420	17	3	26	1
E181 65	1880	6	6480	196	14	70	15	250	22	1	18	1
E181 66	3160	12	7130	259	18	70	37	450	31	11	16	1
E181 67	1510	8	8280	241	29	30	14	200	27	3	19	1
E181 68	2120	20	13020	466	1	1160	18	400	13	4	197	1
E181 69	4740	26	11900	732	2	2640	21	580	23	4	243	1
E181 70	3500	40	18320	750	2	280	35	630	26	3	53	1
E181 71	3230	36	11630	789	4	150	10	640	26	3	240	1
E181 72	2400	63	17690	657	1	760	42	610	21	4	53	1
E181 73	2720	38	16390	690	1	100	24	480	36	1	188	1
E181 74	2330	45	19710	819	1	80	27	520	36	1	78	1
E181 75	4160	59	26910	687	2	930	23	690	20	1	125	1
E181 76	5940	48	20250	496	1	850	46	740	48	5	55	1
E181 77	6360	49	20360	499	2	170	42	850	35	8	35	1
E181 78	3600	30	14850	717	13	90	27	770	30	2	340	1
E181 79	610	5	3320	1059	9	20	1	140	26	2	1028	1
E181 80	1340	20	12790	1030	2	30	13	450	29	1	303	1

(VALUES IN PPM)	U	V	ZN	BA	SN	W	CR
53 86	1	32.7	44	1	1	1	154
53 87	1	33.1	37	1	1	1	183
53 88	1	46.2	33	1	1	1	176
53 89	1	52.9	29	1	1	1	227
53 90	1	6.5	11	1	1	1	235
53 91	1	39.9	73	1	1	1	256
53 92	1	5.3	508	1	1	10	142
53 93	3	51.2	50	1	1	1	122
E181 60	2	49.5	84	1	1	2	62
E181 61	4	55.0	49	1	2	3	44
E181 62	1	21.4	54	1	2	2	31
E181 63	1	74.1	37	1	1	1	166
E181 64	1	58.0	53	1	1	1	175
E181 65	1	52.6	40	1	1	1	223
E181 66	1	92.3	59	1	2	2	151
E181 67	1	81.5	46	1	1	1	166
E181 68	5	52.2	57	1	1	3	92
E181 69	3	63.6	117	1	3	3	66
E181 70	1	53.8	71	2	1	3	26
E181 71	7	26.3	78	2	2	2	3
E181 72	1	110.3	119	3	1	3	74
E181 73	4	53.2	203	3	1	2	17
E181 74	4	58.6	134	1	2	2	19
E181 75	1	90.4	1304	3	4	5	66
E181 76	1	88.6	257	1	4	4	72
E181 77	1	64.7	345	3	4	4	53
E181 78	2	62.5	132	2	2	3	25
E181 79	3	13.1	24	1	1	1	26
E181 80	1	24.0	107	2	2	2	45

MIN-EN LABORATORIES LTD.

Specialists in Mineral Environments

705 West 15th Street North Vancouver, B.C. Canada V7M 1T2

TE: (604) 980-5814 OR (604) 988-4524

TELEX: VIA USA 7601067 UC

Analytical Report

Company: TOTAL ERICKSON RESOURCES
Project:
Attention:

File: 7-1708
Date: OCT 28/87
Type: ROCK ASSAY

Date Samples Received : OCT 22/87
Samples Submitted by :

Report on Geochem Samples
.....
..... 56 Assay Samples
.....

Copies sent to:

1. TOTAL ERICKSON RESOURCES, NORTH VANCOUVER, B.C.
- 2.
- 3.

Samples: Sieved to mesh Ground to mesh -150....

Prepared samples stored: X discarded:
rejects stored: X discarded:

Methods of analysis:

31 ELEMENT TRACE ICP.
AU - FIRE ASSAY.

Remarks

NOV 3 1987

MIN-EN LABORATORIES LTD.

Specialists in Mineral Environments

705 West 15th Street North Vancouver, B.C. Canada V7M 1T2

PHONE: (604) 980-5814 OR (604) 988-4524

TELEX: VIA USA 7601067 UC

Certificate of ASSAY

Company: TOTAL ERICKSON RESOURCES

Project:

Attention:

File: 7-1708/P1

Date: OCT 28/87

Type: ROCK ASSAY

We hereby certify the following results for samples submitted.

Sample Number	AU G/TONNE	AU OZ/TON
E 18181	.01	0.001
E 18182	.01	0.001
E 18183	.01	0.001
E 18184	.02	0.001
E 18185	.01	0.001
E 18186	.07	0.002
E 18187	.01	0.001
E 18188	.10	0.003
E 18189	.34	0.010
E 18190	.20	0.006
E 18191	.24	0.007
E 18192	.31	0.009
E 18193	.15	0.004
E 18194	.17	0.005
E 18195	.49	0.014
E 18196	.22	0.006
E 18197	.23	0.007
E 18198	.62	0.018
E 18199	.29	0.008
E 18200	.10	0.003
E 18201	.41	0.012
E 18202	.26	0.008
E 18203	.37	0.011
E 18204	.75	0.022
E 18205	.44	0.013
E 18206	.63	0.018
E 18207	.41	0.012
E 18208	.23	0.007
E 18209	.45	0.013
E 18210	.62	0.018

Certified by

MIN-EN LABORATORIES LTD.

MIN-EN LABORATORIES LTD.

Specialists in Mineral Environments

705 West 15th Street North Vancouver, B.C. Canada V7M 1T2

PHONE: (604) 980-5814 OR (604) 988-4524

TELEX: VIA USA 7601067 UC

Certificate of ASSAY

Company: TOTAL ERICKSON RESOURCES
Project:
Attention:

File: 7-1708/P2
Date: OCT 25/87
Type: ROCK ASSAY

We hereby certify the following results for samples submitted.

Sample Number	AU G/TONNE	AU OZ/TON
E 18211	.08	0.002
E 18212	.03	0.001
E 18213	.12	0.004
E 18214	.04	0.001
E 18215	.06	0.002
E 18216	.03	0.001
E 18217	.06	0.002
E 18218	6.45	0.188
E 18219	.17	0.005
E 18220	.20	0.006
E 18221	.17	0.005
E 18222	.23	0.007
E 18223	.01	0.001
E 18224	.18	0.005
E 18225	.17	0.005
E 18226	.03	0.001
E 18227	.19	0.006
E 18228	.59	0.017
E 18229	.04	0.001
E 18230	.01	0.001
E 18231	.01	0.001
E 18232	.07	0.002
E 18233	.21	0.006
E 18234	.01	0.001
E 18235	.23	0.007
E 18236	.08	0.002

Certified by

MIN-EN LABORATORIES LTD.

PROJECT NO:

705 WEST 15TH ST., NORTH VANCOUVER, B.C. V7M 1T2

FILE NO: 7-1708

ATTENTION:

(604)980-5814 DR (604)988-4524

* TYPE ROCK GEOCHEM *

DATE: OCT 28, 1987

(VALUES IN PPM)	AG	AL	AS	B	BA	BE	BI	CA	CD	CO	CU	FE
E 18181	1.3	17640	12	19	125	1.4	1	80140	.8	7	58	42130
E 18182	1.4	21260	16	23	196	1.6	1	97010	2.0	8	64	48890
E 18183	1.7	28090	9	24	175	2.0	2	109730	1.8	6	54	60530
E 18184	1.4	31230	1	32	148	1.6	1	77950	.9	8	79	47430
E 18185	1.2	19800	60	23	130	2.2	2	30480	2.7	8	71	60660
E 18186	1.2	18010	120	18	97	1.3	1	12470	.9	8	69	36450
E 18187	1.2	13550	36	14	118	1.5	1	25070	3.5	8	67	43790
E 18188	1.3	18720	69	19	118	1.6	1	25160	2.2	9	85	48050
E 18189	2.0	11580	261	10	101	1.2	1	30370	3.2	8	64	36150
E 18190	1.8	12020	131	11	95	1.5	1	10870	2.7	9	78	43880
E 18191	2.4	5050	229	1	44	.7	1	6980	2.7	3	27	20890
E 18192	2.3	17990	211	17	141	1.5	1	3030	3.6	12	111	46490
E 18193	2.2	13520	52	16	107	1.9	1	9210	1.1	7	72	64250
E 18194	3.4	20950	96	21	138	1.9	2	3430	2.1	11	88	57790
E 18195	4.3	9300	306	8	64	1.1	1	1870	3.6	5	42	33390
E 18196	3.1	10290	176	11	82	1.3	1	2900	2.4	8	75	41480
E 18197	2.1	12680	154	12	78	1.0	1	3130	1.3	9	66	29350
E 18198	1.3	11870	103	12	102	2.1	1	3460	2.1	5	30	72250
E 18199	1.2	7250	307	5	74	1.2	1	2240	3.3	8	74	40690
E 18200	127.8	6030	107	3	137	.8	1	40050	.9	5	42	25370
E 18201	5.8	7310	336	6	79	1.2	1	1350	2.9	7	70	41620
E 18202	1.4	9460	225	9	96	1.2	1	2180	2.5	8	75	40000
E 18203	1.4	7750	500	7	97	1.5	1	2570	5.5	9	69	50640
E 18204	2.0	10720	1214	11	122	1.6	1	6630	10.7	10	97	49010
E 18205	2.2	15290	462	12	102	.8	1	5800	4.3	5	60	22610
E 18206	1.9	14010	784	12	100	1.5	1	4530	7.6	9	73	47460
E 18207	3.3	11000	534	9	83	1.3	1	7630	6.7	7	60	38080
E 18208	1.6	11340	365	9	169	1.1	1	23230	4.9	3	38	34410
E 18209	1.6	7330	534	5	72	1.1	1	5150	5.0	7	59	33250
E 18210	1.5	8190	578	7	81	1.2	1	2110	5.9	7	75	37650
E 18211	.6	3410	42	1	43	.3	1	6020	1.1	2	13	6830
E 18212	.4	2950	32	1	44	.3	1	6630	.8	1	4	3760
E 18213	1.7	8000	126	6	153	.9	1	12350	3.1	5	10	24530
E 18214	.5	3910	30	1	65	.4	1	1260	.2	3	5	11680
E 18215	1.6	11380	247	11	127	1.5	1	2400	3.5	9	69	46040
E 18216	1.6	12340	249	12	110	1.5	1	2140	2.1	9	63	46720
E 18217	1.2	5210	148	2	49	.7	1	890	.9	5	16	31700
E 18218	1.4	8920	268	8	103	1.3	1	1530	3.0	9	77	39390
E 18219	.6	3080	217	1	38	.7	1	860	1.9	5	32	20680
E 18220	1.2	8150	387	6	80	1.0	1	1410	3.2	7	57	31860
E 18221	.7	4510	429	1	38	.4	1	610	3.2	3	25	13330
E 18222	2.5	7420	455	5	60	1.1	1	1200	3.6	6	42	35580
E 18223	.7	1670	75	1	17	.3	1	630	.5	2	7	8380
E 18224	.8	5690	252	5	58	.8	1	3160	2.6	5	20	25330
E 18225	1.2	7610	325	6	65	1.1	1	6650	3.5	6	24	31620
E 18226	1.6	13160	266	15	143	1.8	1	8530	3.7	10	98	53420
E 18227	1.1	12850	198	13	128	1.0	1	6020	2.8	7	61	29430
E 18228	3.2	19460	522	20	272	1.6	1	10940	5.6	8	72	46250
E 18229	.5	7170	144	6	63	.6	1	1040	1.3	5	41	17330
E 18230	.6	1870	56	1	17	.2	2	940	1.0	2	10	6000
E 18231	.9	3350	46	1	25	.3	1	1610	.5	4	17	3275
E 18232	1.7	5110	267	3	138	1.3	1	39900	5.4	5	49	31100
E 18233	1.3	14840	1149	16	106	1.2	1	10440	10.3	6	46	32340
E 18234	1.3	20150	36	19	204	1.6	1	21670	1.8	3	75	43760
E 18235	1.8	17900	159	14	64	1.2	1	64490	2.5	5	10	33170
E 18236	1.4	20060	145	21	150	1.5	2	41660	4.1	7	61	37280

PROJECT NO:

705 WEST 15TH ST., NORTH VANCOUVER, B.C. V7M 1T2

FILE NO: 7-1706

ATTENTION:

(604)980-5814 OR (604)988-4524

* TYPE ROCK GEDCHEM *

DATE: OCT 28, 1987

(VALUES IN PPM)	K	LI	MG	MN	MO	NA	NI	P	PB	SB	SR	TH
E 18181	2900	27	10050	923	2	50	18	350	30	18	195	1
E 18182	2710	37	12500	1167	1	120	18	520	33	6	214	1
E 18183	1620	59	22330	1184	1	50	8	660	34	4	208	1
E 18184	5090	39	15030	613	1	220	17	540	23	1	130	1
E 18185	4830	19	16450	505	1	60	18	530	26	7	72	1
E 18186	5070	13	6600	363	1	50	21	480	14	16	39	1
E 18187	4210	10	15200	708	1	80	22	590	28	12	81	1
E 18188	5180	12	9890	660	1	50	24	630	24	17	73	1
E 18189	3530	11	8140	615	1	40	25	520	26	33	79	1
E 18190	4100	6	8410	476	1	50	27	610	27	32	60	1
E 18191	1930	2	4090	153	1	30	11	190	12	40	37	1
E 18192	6090	8	5750	291	2	40	33	590	19	53	124	1
E 18193	4440	9	5790	688	1	40	15	520	23	38	22	1
E 18194	7370	10	6470	338	2	60	28	680	16	53	31	1
E 18195	3060	8	3350	242	1	30	13	360	12	62	18	1
E 18196	3790	6	4020	249	1	30	24	490	21	50	18	1
E 18197	3470	7	2630	386	1	40	21	630	13	29	10	1
E 18198	3960	8	6260	1258	2	40	6	760	20	22	39	1
E 18199	2620	5	1840	208	1	30	26	550	15	19	25	1
E 18200	1870	3	1100	216	1	30	24	200	16	157	21	1
E 18201	2650	3	870	30	1	40	21	280	16	99	14	1
E 18202	3310	8	3230	321	1	30	33	470	17	32	19	1
E 18203	3270	4	3060	228	1	40	29	490	19	26	12	1
E 18204	4210	6	4670	303	1	50	34	540	27	38	23	1
E 18205	4190	11	7270	195	1	70	22	270	14	55	21	1
E 18206	5970	2	3450	46	2	50	27	590	20	21	26	1
E 18207	4060	5	6450	99	4	30	26	400	21	37	31	1
E 18208	2170	14	8900	268	1	30	9	3720	18	18	217	1
E 18209	2850	4	4830	96	6	30	19	510	20	27	35	1
E 18210	3670	3	2770	69	4	30	25	450	20	32	16	1
E 18211	1350	3	3800	67	5	20	7	140	14	8	37	1
E 18212	1080	3	5150	57	9	60	7	90	15	4	39	1
E 18213	2930	4	8730	138	3	30	17	250	22	16	126	1
E 18214	1640	2	1630	54	17	20	10	130	13	7	34	1
E 18215	4630	5	4330	132	30	40	28	510	22	23	36	1
E 18216	4540	12	3710	324	4	40	24	560	22	20	121	1
E 18217	2340	2	1480	160	42	20	18	220	20	12	17	1
E 18218	3760	4	2320	131	21	40	31	420	21	20	27	1
E 18219	1610	1	1060	72	4	20	15	220	13	13	10	1
E 18220	3380	4	1900	91	4	20	17	380	18	33	43	1
E 18221	1930	1	690	39	3	20	10	170	8	28	11	1
E 18222	3000	2	1790	63	4	30	21	320	17	41	29	1
E 18223	810	1	560	29	21	10	7	80	13	7	4	1
E 18224	2470	3	2690	90	9	20	15	280	18	16	16	1
E 18225	3150	4	4260	217	21	40	20	620	20	16	24	1
E 18226	4920	9	8030	505	1	50	27	610	25	20	36	1
E 18227	4670	11	5480	211	3	50	22	470	17	13	66	1
E 18228	4930	17	9220	405	1	60	18	530	23	56	36	1
E 18229	2420	5	2130	114	1	20	18	220	13	18	43	1
E 18230	690	2	550	81	1	30	9	60	8	9	17	1
E 18231	1230	4	840	73	3	20	12	170	10	12	19	1
E 18232	2300	2	19640	274	2	30	17	410	30	14	116	1
E 18233	3310	17	9080	356	28	120	22	520	28	18	43	1
E 18234	5480	19	11570	467	2	100	29	640	36	2	45	1
E 18235	2710	26	12710	1204	4	70	23	460	24	13	303	1
E 18236	5170	18	10730	868	9	160	32	1190	33	3	185	1

PROJECT NO:

705 WEST 15TH ST., NORTH VANCOUVER, B.C. V7M 1T2

FILE NO: 7-1708

ATTENTION:

(604)980-5814 DR (604)988-4524

* TYPE ROCK GEOCHEM * DATE: OCT 28, 1987

(VALUES IN PPM)	U	V	ZN	GA	SN	W	CR
E 18181	6	29.8	85	1	1	2	8
E 18182	4	44.8	93	2	2	2	3
E 18183	2	47.2	80	4	2	3	1
E 18184	4	66.5	105	3	2	3	18
E 18185	1	51.9	100	1	2	2	25
E 18186	1	50.3	111	2	2	2	63
E 18187	1	42.8	117	1	3	2	35
E 18188	3	55.2	120	1	3	2	32
E 18189	1	45.5	105	1	1	2	41
E 18190	1	41.6	108	1	1	2	36
E 18191	1	14.4	44	1	1	1	156
E 18192	1	67.8	173	1	3	2	46
E 18193	1	43.4	150	1	2	2	77
E 18194	1	56.6	156	1	1	2	45
E 18195	1	26.8	87	1	2	1	124
E 18196	1	33.4	119	1	3	1	57
E 18197	1	38.6	122	1	1	2	88
E 18198	1	31.7	126	1	1	2	54
E 18199	1	33.2	137	1	1	1	72
E 18200	1	14.3	64	1	2	1	84
E 18201	1	18.9	112	1	1	1	72
E 18202	1	39.5	119	1	1	1	89
E 18203	1	25.1	135	1	2	1	76
E 18204	1	32.4	168	1	1	2	42
E 18205	1	42.6	86	1	1	2	212
E 18206	1	36.0	149	1	3	2	75
E 18207	1	29.1	103	1	2	1	74
E 18208	1	32.8	69	1	1	2	157
E 18209	1	19.1	93	1	1	1	54
E 18210	1	27.0	97	1	2	1	68
E 18211	1	17.9	32	1	1	1	158
E 18212	1	15.2	19	1	1	1	196
E 18213	2	34.7	66	1	1	1	112
E 18214	1	27.8	36	1	1	1	176
E 18215	1	46.0	127	1	1	1	65
E 18216	1	46.4	141	1	1	2	86
E 18217	1	31.2	52	1	1	1	131
E 18218	1	38.2	122	1	2	1	50
E 18219	1	10.0	47	1	1	1	146
E 18220	1	24.5	84	1	2	1	67
E 18221	1	10.2	37	1	1	1	167
E 18222	1	23.8	90	1	1	1	78
E 18223	1	13.2	18	1	1	1	190
E 18224	1	28.5	66	1	2	1	79
E 18225	1	44.4	79	1	1	1	124
E 18226	1	37.4	133	1	2	2	35
E 18227	1	38.3	94	1	2	2	100
E 18228	1	48.3	90	1	2	2	70
E 18229	1	22.5	62	1	1	1	117
E 18230	1	6.6	16	1	1	1	149
E 18231	1	12.3	37	1	1	1	178
E 18232	1	12.8	64	1	2	1	34
E 18233	1	43.7	74	1	1	2	62
E 18234	1	54.0	150	1	3	2	37
E 18235	1	33.3	101	1	2	2	27
E 18236	1	66.2	221	1	3	2	26

MIN-EN LABORATORIES LTD.

Specialists in Mineral Environments

705 West 15th Street North Vancouver, B.C. Canada V7M 1T2

NE: (604)980-5814 OR (604)988-4524

TELEX: VIA USA 7601067 UC

Analytical Report

Company: TOTAL ERICKSON RESOURCES
Project: ENGINEER
Attention: HANS SMIT

File: 7-1740
Date: OCT 29/87
Type: ROCK ASSAY

Date Samples Received : OCT 26/87
Samples Submitted by : HANS SMIT

Report on Geochem Samples
.....
..... 35 Assay Samples
.....

Copies sent to:

1. TOTAL ERICKSON RESOURCES, NORTH VANCOUVER, B.C.
- 2.
- 3.

Samples: Sieved to mesh Ground to mesh -150....

Prepared samples stored: X discarded:
rejects stored: X discarded:

Methods of analysis:

3) ELEMENT TRACE ICP,
AU-FIRE ASSAY.

Remarks

NOV 3 1987

MIN-EN LABORATORIES LTD.*Specialists in Mineral Environments*

705 West 15th Street North Vancouver, B.C. Canada V7M 1T2

TE: (604) 980-5814 OR (604) 988-4524

TELEX: VIA USA 7601067 UC

Certificate of ASSAY

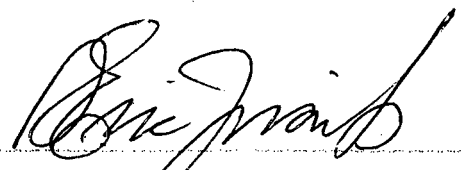
Company: TOTAL ERICKSON RESOURCES
Project: ENGINEER
Attention: HANS SMIT

File: 7-1740/P1
Date: OCT 29/87
Type: ROCK ASSAY

We hereby certify the following results for samples submitted.

Sample Number	AU G/TONNE	AU OZ/TON
E18237	.04	0.001
E18238	.02	0.001
E18239	.03	0.001
E18240	.20	0.006
E18241	.10	0.003
E18242	.40	0.012
E18243	.24	0.007
E18244	.18	0.005
E18245	.05	0.001
E18246	.03	0.001
E18247	.02	0.001
E18248	.01	0.001
E18249	.20	0.006
E18250	.06	0.002
E18251	.01	0.001
E18252	.05	0.001
E18253	.04	0.001
E18254	.03	0.001
E18255	.02	0.001
E18256	.01	0.001
E18257	.05	0.001
E18258	.01	0.001
E18259	.01	0.001
E18260	.02	0.001
E18261	.01	0.001
E18262	1.52	0.044
E18263	.01	0.001
E18264	.20	0.006
E18265	.04	0.001
E18266	.75	0.022

Certified by



MIN-EN LABORATORIES LTD.

PROJECT NO: ENGINEER

705 WEST 15TH ST., NORTH VANCOUVER, B.C. V7M 1T2

FILE NO: 7-1740R/P1+2

ATTENTION: HANS SMIT

(604)980-5814 OR (604)988-4524

TYPE ROCK GEOCHEM # DATE: OCT 29, 1987

(VALUES IN PPM)	AG	AL	AS	B	BA	BE	BI	CA	CD	CO	CU	FE
E18237	1.1	28530	1	31	277	1.3	1	55860	2.6	6	49	38410
E18238	1.7	16220	128	16	170	1.0	1	124330	2.4	5	48	26970
E18239	1.3	19440	45	20	134	1.5	2	38770	3.0	8	79	43750
E18240	.4	5110	377	8	60	.8	1	12530	4.9	2	14	24990
E18241	.3	1910	438	2	30	.3	1	2830	3.5	1	38	9330
E18242	.5	1480	1199	1	39	.5	1	11810	10.4	1	18	15200
E18243	1.4	10980	811	11	73	1.2	1	6270	8.7	7	90	35380
E18244	.7	4870	462	9	64	1.1	1	15580	5.1	4	59	30280
E18245	.9	3790	30	4	58	.7	1	3850	1.7	3	111	18950
E18246	1.6	9760	99	13	122	1.2	2	6100	2.7	7	209	37140
E18247	.8	13800	53	10	27	1.0	1	89400	1.6	6	66	28890
E18248	.9	18320	31	14	59	1.3	1	10550	1.3	6	63	35400
E18249	.9	4080	453	1	18	.4	1	103490	3.0	1	7	8760
E18250	2.8	13640	104	12	59	1.4	1	18760	2.7	7	144	37970
E18251	1.0	21590	47	17	536	1.3	1	63650	2.6	7	52	36910
E18252	.5	9420	55	12	73	1.2	1	12930	2.9	6	65	35350
E18253	1.8	18170	63	17	156	1.5	1	31000	2.7	7	192	41430
E18254	.8	5610	26	4	78	.6	1	5830	2.8	3	93	15130
E18255	1.2	14660	66	13	187	1.5	1	26210	3.1	6	72	41350
E18256	1.2	14360	119	14	127	1.5	1	19080	3.7	7	76	42410
E18257	.7	2690	27	1	51	.4	1	6120	1.1	1	12	10920
E18258	4.3	1150	24	1	25	.9	4	43480	4.2	1	490	21760
E18259	.9	1260	28	1	11	.3	1	73660	.2	1	102	8910
E18260	.9	11930	259	7	31	.8	1	89140	1.3	4	25	20220
E18261	1.5	44430	30	36	292	1.5	4	41510	1.3	10	75	42630
E18262	3.8	7890	3134	5	63	.9	1	13610	22.3	5	36	26520
E18263	.5	13570	16	12	94	1.5	1	5910	1.7	9	76	43020
E18264	.6	5990	228	4	37	.7	1	4850	3.6	4	69	21680
E18265	.7	20480	54	16	67	1.2	1	58670	1.3	5	25	33220
E18266	4.4	7350	1630	6	41	.9	1	5190	12.3	4	44	27370
E18267	1.1	23060	3	23	105	1.3	2	78370	.8	6	71	37260
5394	25.5	2090	390	4	43	.7	1	5710	2.2	2	24	21420
5395	147.5	1270	72	1	16	.5	194	7320	81.8	2	12950	17440
5396	3.7	340	14	1	1148	.3	2	170	7.5	1	137	8400
5397	11.3	510	1	3	387	.8	3	110	.2	1	48	25580

NOT
ENG-
INDEX

PROJECT NO: ENGINEER

705 WEST 15TH ST., NORTH VANCOUVER, B.C. V7M 1T2

FILE NO: 7-1740R/P1+2

ATTENTION: HANS SMIT

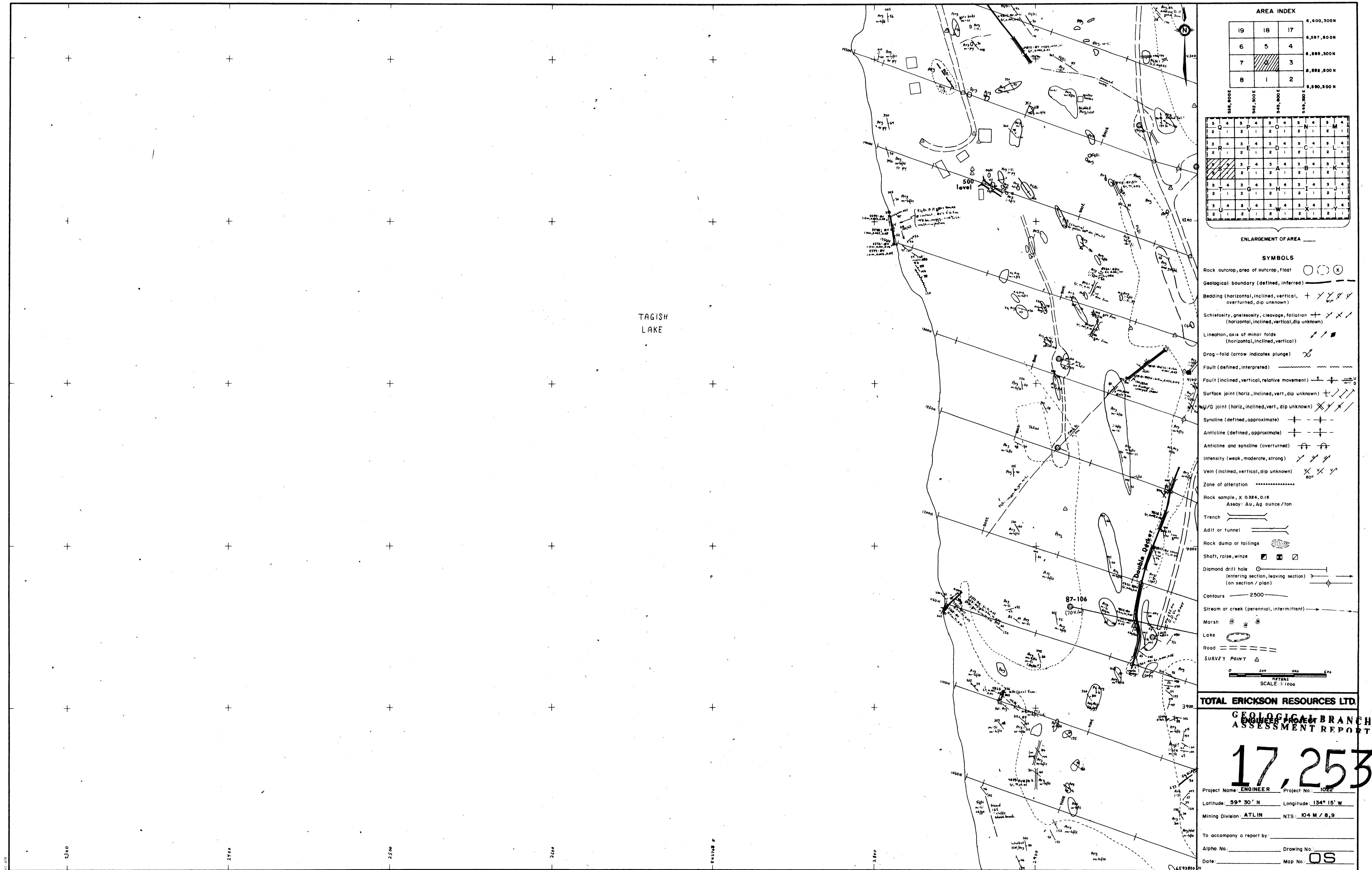
(604)980-5814 OR (604)988-4524

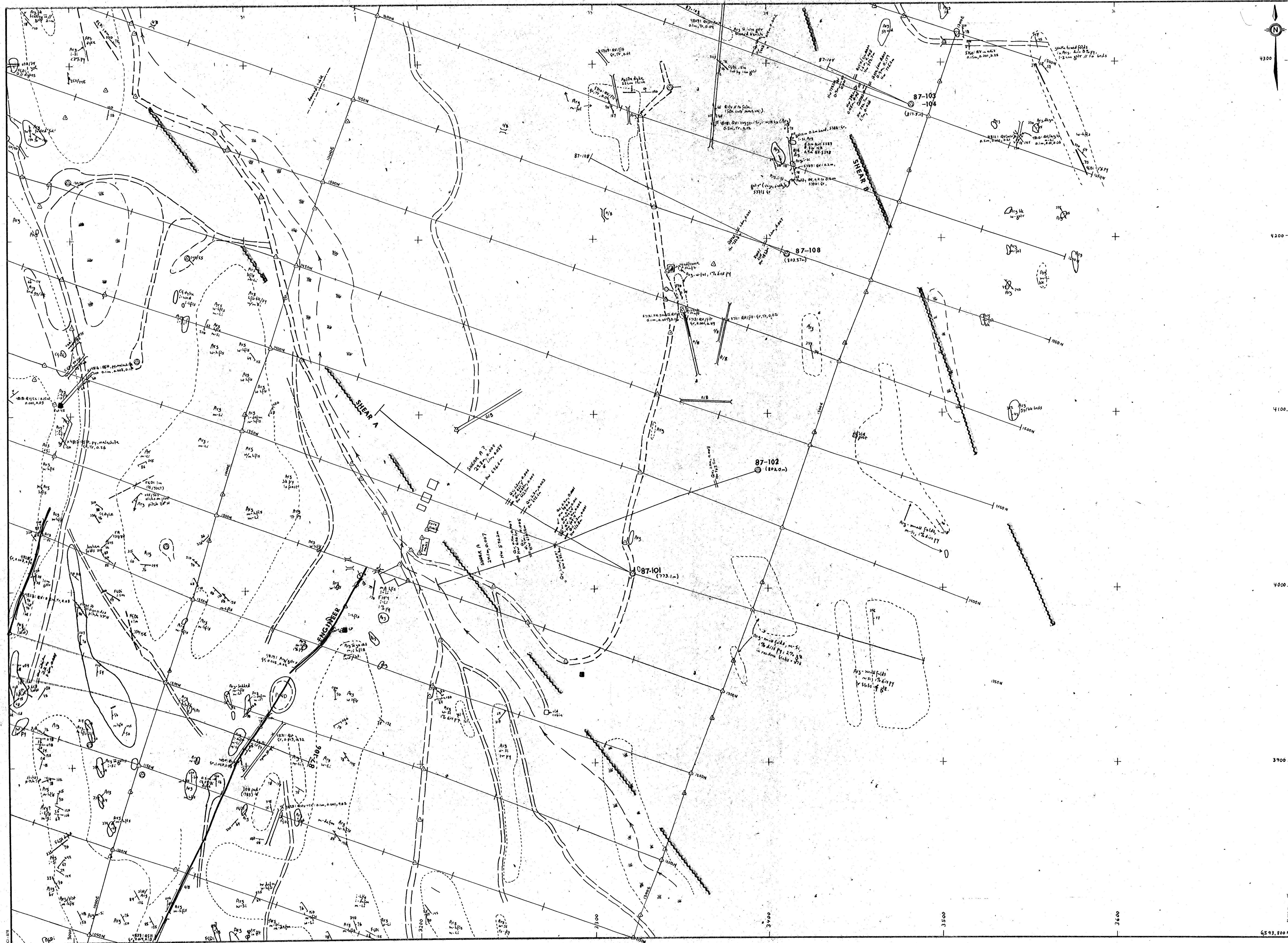
* TYPE ROCK GEOCHEM *

DATE: OCT 29, 1987

(VALUES IN PPM)	K	LI	MG	MN	MO	NA	NI	P	PB	SB	SR	TH
E18237	6060	20	16020	797	1	1200	12	500	37	6	132	1
E18238	2260	18	9030	1861	7	550	14	750	32	4	174	1
E18239	4150	21	10950	796	3	430	32	610	39	1	88	1
E18240	1440	6	6860	531	5	220	6	120	21	3	45	1
E18241	680	2	1850	86	6	60	4	70	10	4	21	1
E18242	620	2	6700	203	4	200	3	50	19	10	34	1
E18243	1870	17	10000	433	17	80	19	490	20	5	30	1
E18244	1510	6	9050	390	6	40	11	280	25	5	54	1
E18245	1320	6	4960	245	5	40	12	210	17	2	67	1
E18246	2960	13	8250	429	3	70	24	580	20	1	141	1
E18247	1330	24	9890	597	3	130	18	480	24	3	327	1
E18248	2140	30	10960	312	10	120	21	450	18	1	21	1
E18249	670	7	4010	988	7	30	1	110	23	1	437	1
E18250	2170	21	7730	337	11	100	26	520	25	1	73	1
E18251	2920	28	11390	1016	3	730	23	900	20	5	88	1
E18252	2190	13	8900	432	10	80	29	440	23	5	64	1
E18253	2510	25	12320	787	8	340	34	1020	23	3	53	1
E18254	1380	7	5830	156	14	60	14	290	17	2	19	1
E18255	2690	20	8970	525	13	110	31	1100	19	3	81	1
E18256	2580	18	8640	527	14	120	25	910	23	3	49	1
E18257	750	4	4090	173	23	30	6	340	24	1	57	1
E18258	330	2	23630	333	1	60	5	110	28	2	59	1
E18259	140	4	1750	391	1	30	3	50	12	1	99	1
E18260	1040	24	8250	666	5	60	13	330	18	1	163	1
E18261	2010	61	17360	561	1	2600	25	630	15	4	192	1
E18262	1780	9	3450	224	3	50	13	290	15	158	28	1
E18263	2590	18	7190	181	1	60	24	630	19	22	31	1
E18264	1420	9	6070	161	9	30	23	220	17	11	42	1
E18265	1220	33	11190	1090	6	540	17	480	24	6	60	1
E18266	1750	10	3440	120	3	60	11	290	16	74	27	1
E18267	2330	33	11320	1380	5	640	12	560	30	2	135	1
5394	720	2	1290	408	30	30	1	420	21	38	12	1
5395	650	1	660	623	5	20	2	330	7273	1058	9	1
5396	210	1	120	29	5	20	3	20	2032	13	40	1
5397	260	1	220	37	117	30	4	40	306	2	13	1

(VALUES IN PPM)	U	V	ZN	GA	SN	W	CR
E18237	1	59.9	132	2	2	1	44
E18238	1	76.8	163	3	1	1	6
E18239	1	84.2	179	1	2	1	36
E18240	1	14.8	93	2	1	1	85
E18241	1	8.2	39	1	1	1	155
E18242	1	4.5	20	1	1	1	82
E18243	1	62.8	104	1	2	1	53
E18244	1	27.9	61	2	1	1	109
E18245	1	45.9	48	1	1	1	114
E18246	1	90.0	87	1	1	1	44
E18247	1	42.7	69	1	1	1	5
E18248	1	100.4	89	2	2	1	54
E18249	1	13.1	18	1	1	1	44
E18250	1	70.3	148	1	2	1	38
E18251	1	103.6	137	2	3	1	29
E18252	1	84.5	147	1	1	1	40
E18253	1	131.0	159	1	3	1	30
E18254	1	58.2	118	1	1	1	122
E18255	1	128.7	130	2	2	1	40
E18256	2	107.4	150	1	2	1	41
E18257	1	45.2	29	1	1	1	163
E18258	1	15.9	33	1	1	1	142
E18259	1	33.7	17	1	1	1	252
E18260	2	34.1	47	1	1	1	44
E18261	3	66.0	129	2	1	1	33
E18262	1	16.3	61	1	1	1	63
E18263	2	27.3	110	1	2	1	15
E18264	1	35.3	59	1	1	1	109
E18265	2	56.2	146	1	2	1	15
E18266	1	11.5	65	1	1	1	65
E18267	5	26.1	105	2	3	1	2
5394	1	10.5	53	1	1	1	134
5395	1	3.8	5219	1	1	1	110
5396	1	.9	694	1	1	1	136
5397	1	.8	57	1	1	1	130





AREA INDEX

19	18	17
6	5	4
7	3	2
8	1	2

ENLARGEMENT OF AREA

SYMBOLS

Rock outcrop, area of outcrop, float

Geological boundary (defined, inferred)

Bedding (horizontal, inclined, vertical, overturned, dip unknown)

Schistosity, gneissosity, cleavage, foliation (horizontal, inclined, vertical, dip unknown)

Lineation, axis of minor folds (horizontal, inclined, vertical)

Drag - fold (arrow indicates plunge)

Fault (defined, interpreted)

Fault (inclined, vertical, relative movement)

Surface joint (horiz, inclined, vert, dip unknown)

U/G joint (horiz, inclined, vert, dip unknown)

Syncline (defined, approximate)

Anticline (defined, approximate)

Anticline and syncline (overturned)

Intensity (weak, moderate, strong)

Vein (inclined, vertical, dip unknown)

Zone of alteration

Rock sample, X 0.324, 0.15
Assay: Au, Ag ounce/ton

Trench

Adit or tunnel

Rock dump or tailings

Shaft, raise, winze

Diamond drill hole
(entering section, leaving section)
(on section / plan)

Contours 2500

Stream or creek (perennial, intermittent)

Marsh

Lake

Road

SURVEY POINT

0 300 600 900

SCALE 1:1000

TOTAL ERICKSON RESOURCES LTD.

ENGINEERING PROJECT
ASSESSMENT REPORT

17,253

Project Name: ENGINEER Project No. 1022

Latitude: 59° 30' N Longitude: 134° 15' W

Mining Division: ATLIN N.T.S. 104 M / 8,9

To accompany a report by:

Alpha No.: Drawing No.

Date: Map No. OF