TOTAL ENERGOLD

Erickson Gold Mining Corp.

DIAMOND DRILLING REPORT

ON THE ERICKSON GOLD MINE PROPERTY

CASSIAR DISTRICT, LIARD MINING DIVISION

Claims :	Up, Sun, FG No. 2, L 6540 (Adit 1), and Red Hill 5.
Work Performed:	June 1 1990 through March 31, 1991
Location:	NTS 104P/4E Latitude 59°, 13 ' NORTH Longitude 129°, 39' WEST
Owners:	Erickson Gold Mining Corporation Table Mountain Mines Limited
Operator:	Erickson Gold Mining Corporation
By:	Matt Ball, M.Sc.
Date:	May 30, 1991

21550

1500 - 700 West Pender Street, Vancouver, British Columbia, Canada V6C 1G8 Telephone: (604) 681-9501 Fax: (604) 68

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INTRODUCTION

This report documents diamond drilling conducted in 1990 on the Erickson Gold Mine property, northern British Columbia.

The objective of the work described in this report was to utilize diamond drilling to explore for extensions of veins and alteration zones exposed in the Erickson mine. Most of the drilling was done east of Erickson creek.

Selection of drill targets was constrained by the results of previous geophysical and geological work.

LOCATION AND ACCESS

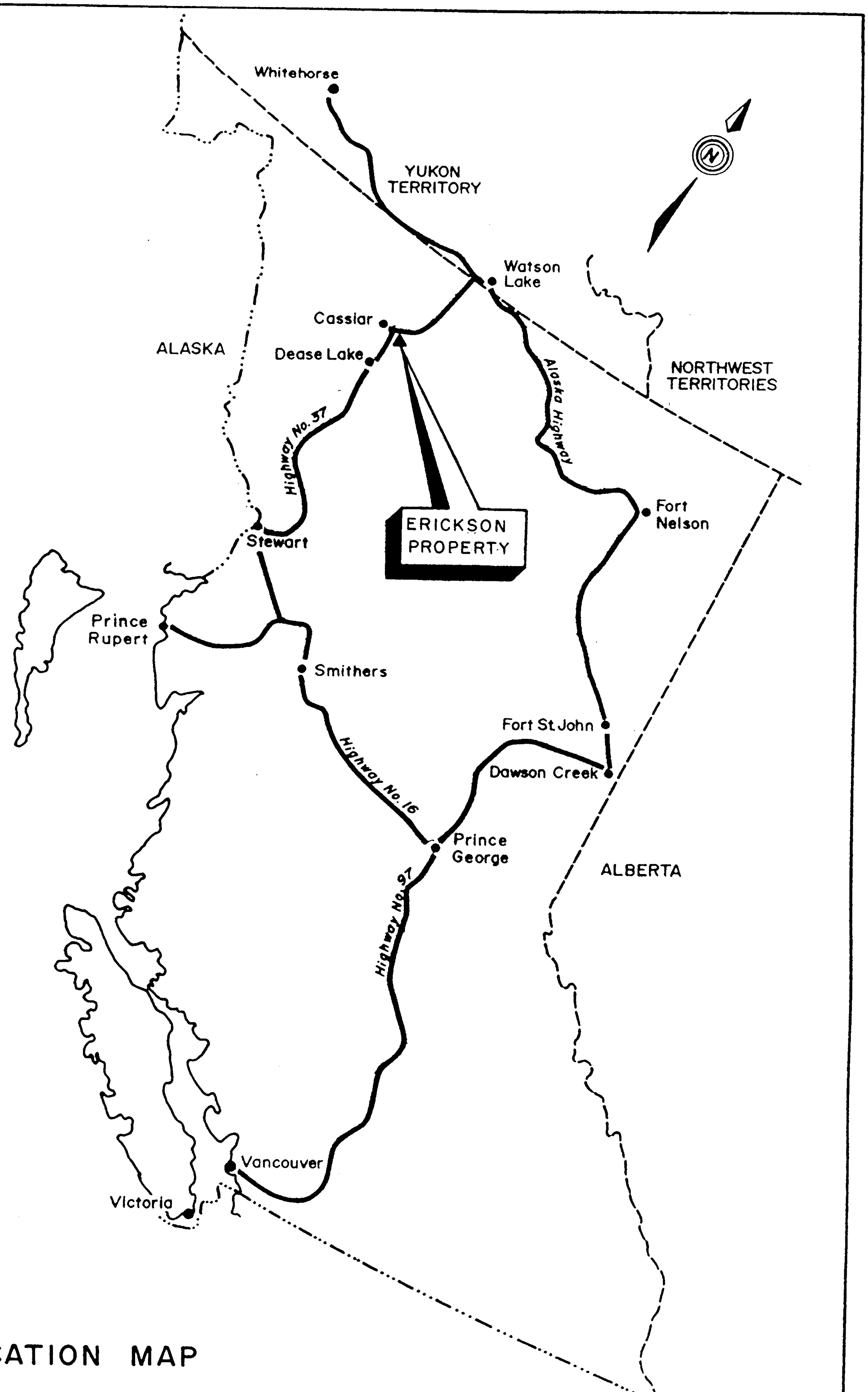
The property is located in northern British Columbia (Figure 1) and lies within the Liard Mining Division. The work described in this report was done in the areas which lie immediately east and south of the Erickson gold mine, which is situated approximately 7 kilometers southeast of the Cassiar mine townsite (Figure 2). Access to the property is via Highway 37 and Erickson mine roads.

TENURE

The area consists of mineral claims owned by Erickson Gold Mining Corporation (EGMC) and Table Mountain Mines Ltd. (TMM) as indicated in Figure 3 and in table 1.

Table 1. List of claims

Claim	Record No.	Record. Date	Units	Owner
Up	0014	11/07/1975	5	EGMC
Sun	0013	11/07/1975	8	EGMC
FG No 2	72236	22/10/1974	1	EGMC
C.G.	6540	02/07/1901	1	EGMC
RED HILL 5	2996	24/08/1953	1	TMM
		Total	59 units	

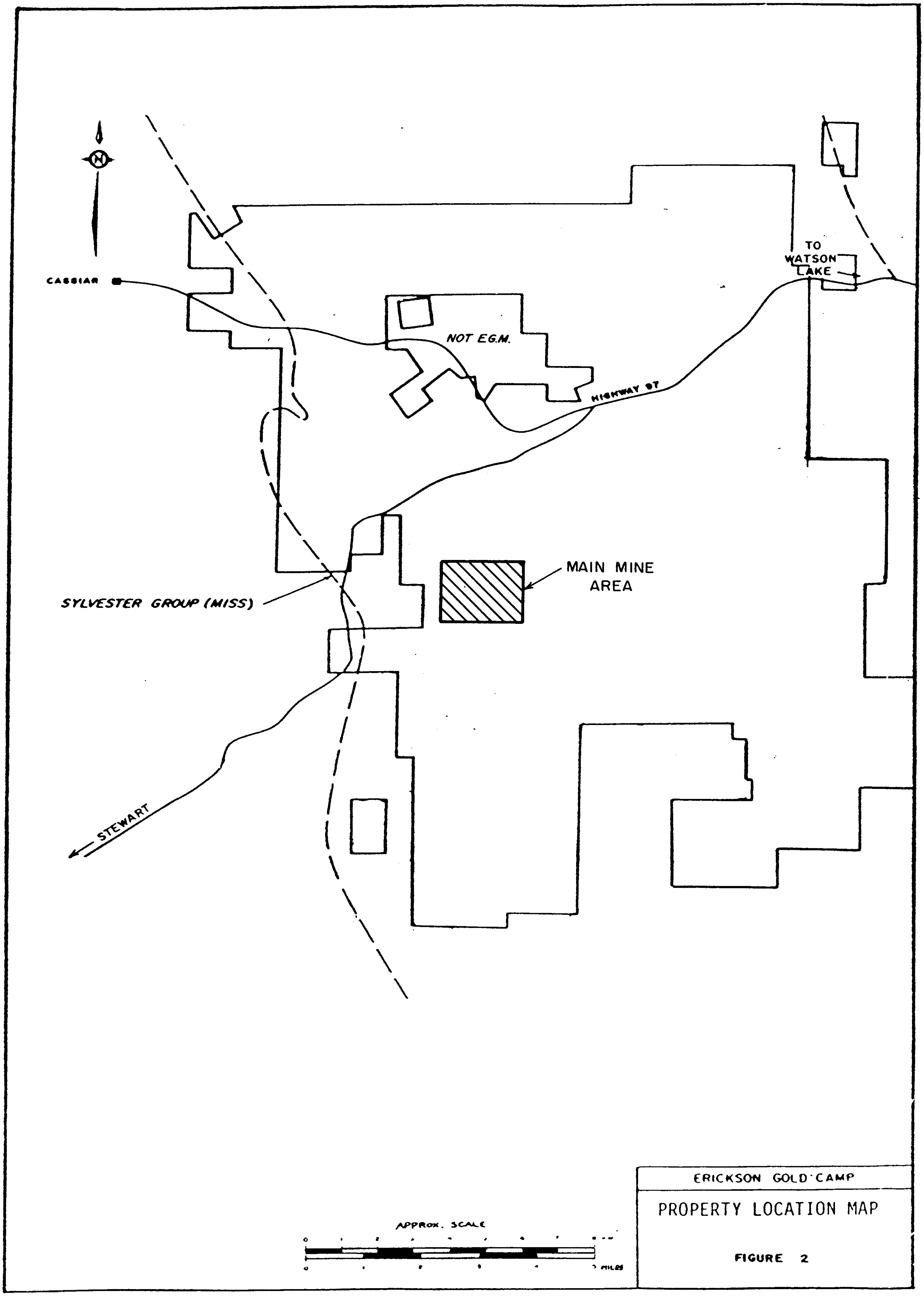


B.C. LOCATION MAP

100 50 0 100 200 km

SCALE 1:7,500,000

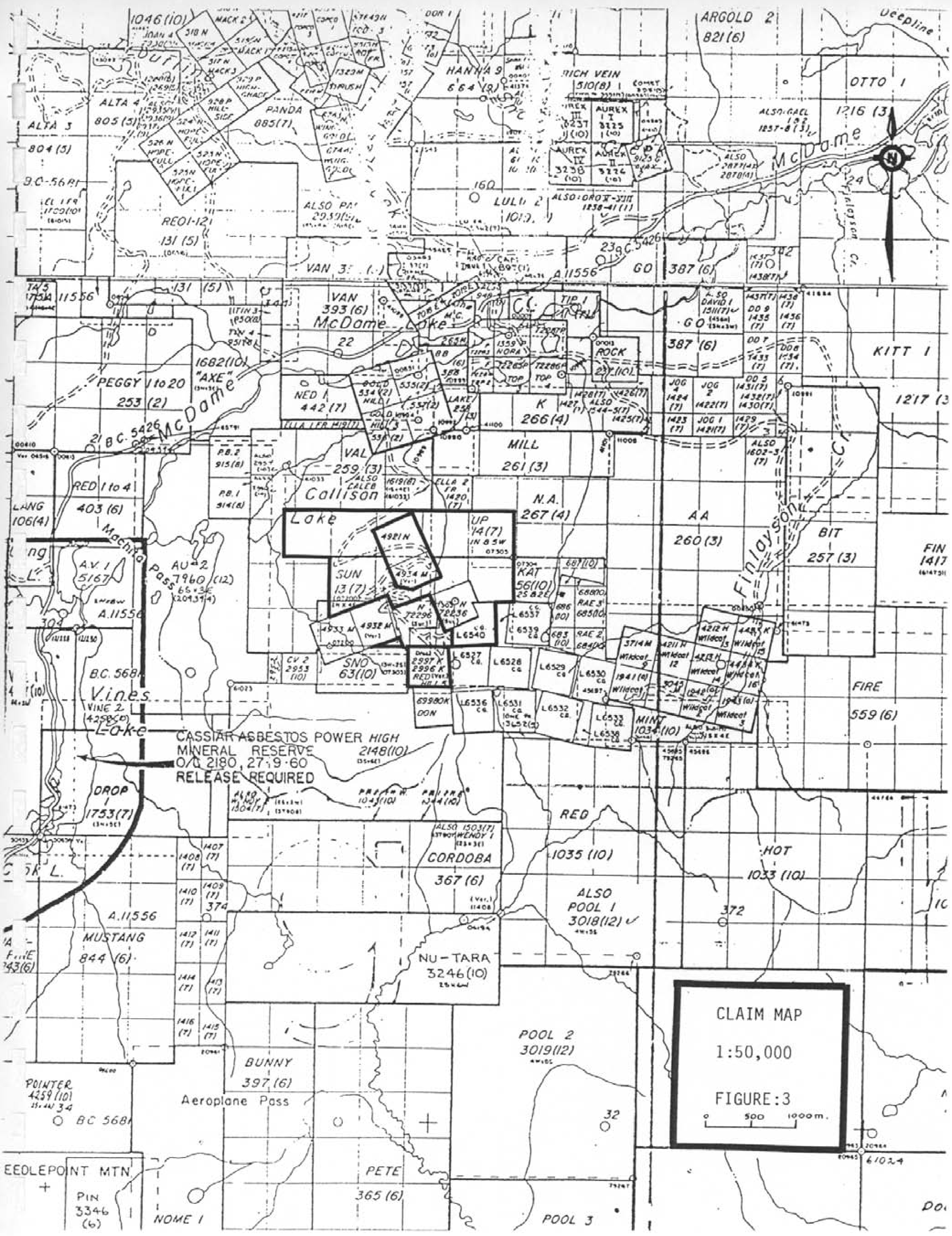
FIGURE 1



ERICKSON GOLD CAMP

PROPERTY LOCATION MAP

FIGURE 2



CLAIM MAP

1:50,000

FIGURE: 3

GEOLOGY AND MINERALIZATION

Topography and Vegetation

The area of work described in this report is situated on the south side of McDame creek valley, and lies on the north flank of Table Mountain. McDame creek valley is an east trending glacial U-shaped valley. Elevations range from 1100 meters to 1550 meters above sea level in the area of work, with moderate relief. Coniferous forest, consisting predominantly of spruce, covers most of the area below about 1450 meters elevation.

Surficial Geology

Overburden consists of glacial till and glacio-fluvial sediment, and is generally 1-3 meters thick, with accumulations to 10 meters in the Erickson creek drainage.

Regional Geology

The area described in this report is underlain by Upper Devonian to Late Triassic metamorphosed volcanic, sedimentary and ultrabasic rocks of the Sylvester Group. The area lies on the west margin of the Sylvester allochthon, a deformed and fault bounded assemblage of oceanic crust which was emplaced between Late Triassic and mid-Cretaceous time (Harms et al, 1988). The allochthon overlies North American miogeoclinal rocks and is intruded by the mid to Late Cretaceous Cassiar batholith.

Property Geology

The strata on the property can be divided into three major units separated by thrusts. The lowermost unit consists of medium green coloured, aphanitic pillowed to massive metavolcanics. The middle unit is a black, graphitic argillite. Listwanite is a metasomatically altered ultramafic rock which occurs in lenses along the metavolcanic / metasediment thrust contact. The upper unit consists of metavolcanic and carbonate strata. Metamorphic grade is predominantly very low or subgreenschist, although amphibolite facies rocks occur locally. Primary textures are generally preserved and therefore the prefix "meta" has been omitted in this report for simplification.

Alteration and Mineralization

The Erickson Gold Camp is defined by areas of alteration and quartz veins which occur along a principal trend corresponding to a zone of discontinuous post-ore faults. This zone is called the Erickson Creek Fault Zone. Alteration, veins and mineralization are concentrated at the thrust along the base of the middle argillite unit. Gold and silver bearing quartz veins occupy steep dipping shear structures in the lower volcanic/chert package. Economic grades generally only occur within 25 meters of the top of veins, at the base of the listwanite. Veins horsetail where they intrude the listwanite and have never been seen to carry appreciable gold in the overlying argillite. Almost all economic veins trend east-west to northeast-southwest and are associated with faults. Average vein width is commonly one to two meters, although locally veins reach widths of three to five meters. Veins are frequently offset by oblique slip normal faults of various orientations, with true offset of up to 50 meters. These cross faults are abundant along the Erickson Creek Fault Zone.

Mineralogy of the gold bearing quartz veins commonly consists of multi-stage white and grey colored quartz with or without minor creamy colored dolomite. Common sulphide minerals include pyrite, sphalerite, chalcopyrite, galena, tetrahedrite, and gold. Sulphides generally make up 0.5-5% of the vein and increase in abundance with gold content. An intense carbonate alteration envelope occurs around quartz veins and is typically approximately one meter wide in both the footwall and hanging wall. Alteration zones are controlled by fracture systems, and may or may not be associated with veins.

There are several hydrothermal alteration assemblages present in the area. The most common alteration consists of carbonate alteration of the volcanic rocks and is characterized by ankerite-sericite-quartz +/- pyrite. Carbonate alteration is restricted to discrete zones surrounding quartz veins, faults and joints. Less common alteration types are sericite, graphite, silica and clay. Hydrothermal alteration of ultrabasic rocks to listwanite can be classified into the following progressively intense alteration assemblages: 1. serpentinite-carbonate; 2. talc-carbonate; 3. quartz-carbonate

The claims in the area of this report straddle a major thrust fault within the Sylvester Group which separates black argillaceous sedimentary rocks from an underlying package of basalt, pale green chert and tuffaceous chert. Listwanite (altered ultramafic rock) commonly occurs along this thrust contact. The thickness of listwanite varies up to a maximum of about 30 meters in the area of the Erickson mine, located immediately west of the area of this report. In addition, a second listwanite horizon occurs in this area and is structurally lower and entirely within volcanic rocks. This second horizon lies within approximately 50-100 meters of the upper listwanite and is interpreted to mark a second order thrust or splay associated with the major thrust.

There are no veins exposed at surface in the immediate area of diamond drilling discussed in this report. However, several quartz veins and alteration zones are exposed in the underground workings of the Erickson mine west of the area of drilling and west of Erickson creek. A few of these veins extend in the subsurface east of Erickson creek before they pinch out. These include the Maura, Jennie, Caitlin and Bear gold bearing quartz veins.

In addition, the McDame vein extends east of Erickson creek without pinching. The McDame vein does not carry gold mineralization and is an epithermal-style, colloform banded and brecciated carbonate vein, which cross cuts quartz veins and therefore represents a late stage of hydrothermal activity.

PREVIOUS WORK

In 1934 J.F. Callison staked several mineral claims on Quartzrock creek following the placer gold rush in the McDame creek area. The following year John Vollaug and Hans Erickson discovered and staked the Vollaug vein on Table Mountain and the Jennie vein in Erickson creek.

From 1935 to 1937 veins in the area were extensively explored. Consolidated Mining and Smelting Co. Ltd. completed several diamond drill holes south of McDame Lake in 1937. During this time, a short cross cut was driven into the Jennie vein.

Minor exploration activities took place until 1973 when Table Mountain Mines drove a decline and an adit on the west end of the Vollaug vein. An extension to this adit and two raises were completed in 1977.

Agnes and Jennie Mining Co. Ltd. sampled and drilled the Jennie vein in 1974. Development of the Erickson mine began in 1977 with the 1350 level on the Jennie vein. The first ore was milled on Dec 22, 1978.

Erickson Gold Mining Corp. (EGMC) continued exploration and development on the Jennie, Maura, Bear, Dease and Alison veins from the workings of the Erickson mine. Previous drilling in the general area of this report is described in Dussell (1986) and Boronowski (1986).

In 1979 and 1980 Plaza Resources explored and commenced open pit development on the eastern portion of the Vollaug vein. These claims were subsequently acquired by Troutline Creek Golds Ltd. and optioned to EGMC.

EGMC explored and developed the Vollaug vein from underground between 1984 and 1988. In 1984, EGMC drove the 1420 level on the east end of the vein on the Troutline Creek Gold property.

The Vollaug vein was trenched and mined from surface on both the Troutline and Table Mountain Mines property in 1984. In 1987 the 1490 level and Finlayson decline were developed, and in 1988 the 1560 decline was driven.

The last ore was milled from the Erickson mine and Vollaug vein in the fall of 1988.

SUMMARY OF WORK PERFORMED

Between June 18 and September, 1990, eighteen holes, totalling 3350.6 meters of NQ size core were drilled. The core was logged by geologists employed by Erickson Gold Mining Corporation (M. Andrews, S. Blower, L. Mortimer, D. Ball, R. Zuran and G. Yip). All geologists possess a B.Sc. degree. The project was supervised by M. Ball, M.Sc. The core is stored at the Erickson Gold minesite. A summary of drill hole Lengths is provided in Table 1. Figures 6 and 7 show drill hole collar locations.

Table 2. List of diamond drill holes

HOLE	AZIMUTH	DIP	LENGTH
M90-736	176	55	226.2
M90-737	177	59	244.1
M90-738	012	58	267.0
M90-739	164	46	168.2
M90-740	152	44	92.1
M90-741	315	55	214.2
M90-742	202	44	126.4
M90-743	181	58	132.2
M90-744	153	41	139.3
M90-745	174	44	117.8
M90-746	169	49	99.4
M90-747	173	45	107.3
M90-748	339	69	152.8
M90-749	001	58	365.9
M90-750	173	59	221.3
M90-751	163	59	241.5
M90-752	151	71	230.7
M90-753	357	64	204.2
TOTAL	18		3350.6 meters

RESULTS AND INTERPRETATIONS

The following describes highlights of the drilling campaign. Table 2 lists summaries of specific targets and results obtained. Table 3 lists significant intersections. The collar locations and surface trace of the holes is shown on map 1. The following is a brief discussion of each hole.

Table 3. SUMMARY OF TARGETS AND RESULTS.

HOLE #	TARGET	RESULTS
M90-736	JENNIE VEIN EXTENSION	HOLE LOST AT BASE OF FIRST LISTWANITE
M90-737	JENNIE VEIN EXT./TABLE MTN LAMP.	SEVERAL PYRITIC BRECCIA ZONES
M90-738	MCDAME VEIN	GOOD ALTERATION, MCDAME VEIN @ 245m
M90-739	M80-126 FOLLOW-UP 80-126	SOME ALTERATION, NO INTERSECTIONS
M90-740	M88-722 FOLLOW-UP (BEAR VEIN EXT.)	SMALL ZONE OF INTENSE ALTERATION
M90-741	S. DIPPING VEIN NORTH OF BEAR VEIN	EXCELLENT ALTERATION AND 1.5m CARB VEIN
M90-742	110 TRENDING RES. CONTRAST AND CHARGEABILITY	GOOD ALTERATION BELOW LIST. FOR 12m.
M90-743	SAME AS M90-742	NO INTERSECTIONS BUT SOME EXCELLENT ALTER.
M90-744	SANDY VEIN EXT., RES. HIGH BETWEEN TWO CHARGEABILITY HIGHS	20cm PYRITIC FLT BX AND CHERTS
M90-745	CHARG. HIGH, SP AND VLF-EM CONDUCTOR	1.5m PYRITIC FLT BX @ 60m
M90-746	E-W TRENDING CHARG. HIGH @ 24+00S MAY BE BEAR VEIN	QV @ 55.3m (1% CPY+PY):0.7m @ 0.117 oz/ton Au

Table 3. SUMMARY OF TARGETS AND RESULTS.

HOLE #	TARGET	RESULTS
M90-747	FOLLOW-UP OF VEIN IN M90-746 TO EAST	QSTR @ 40m (2% PY):0.2m @ 0.007 oz/ton Au
M90-748	FOLLOW-UP OF VEIN IN M90-746 TO WEST	MCDAME VEIN @ 113m, THEN @ 130 IS 1.0m OF i-D-5Ca AND 20cm QSTRS (1.0 @ 0.080 oz/ton Au)
M90-749	MCDAME VEIN AND STRONG E-W CHARG. HIGH (C17)	
M90-750	CHARG. HIGH (C21) AND JENNIE VEIN	18m WIDE ZONE OF i-ALTERED VOLC FLT BX
M90-751	JENNIE VEIN EXTENSION WITH ASSOCIATED LAMP DIKE	DYKE IN ARG, GOOD ALTERATION AND STRONG SI SEALED FLT BX @ 223.2-225.4m
M90-752	UP DIP EXTENSION OF PATRICIA VEIN	GOOD ALTERATION THROUGHOUT AND MINOR QSTRS
M90-753	BEAR VEIN EXT. AND NE TRENDING CHARG. HIGH (C16)	QSTR @ 162.1 m (3% PY): 0.2m @ 0.018 oz/ton Au

TABLE 4. SUMMARY OF DRILLING RESULTS

HOLE #	STRUCTURE	INTERVAL (m)	WIDTH (m)	SAMPLE #	Au (oz/ton)	Ag (oz/ton)	Au (ppb)
M90-737	QSTRed 5Ca	115.8-116.9	1.1	E26801	0.051	0.01	
M90-738	QV	197.6-197.9	0.3	E26809	0.001	0.01	
	HW 5Ca	240.9-241.5	4.5	E26814-16	0.002	0.01	
	MCDAME	245.5-246.1	0.6	E26803			47
M90-741	5Ca	89.5-90.1	0.6	E23753	0.023	0.02	
	CARB VEIN	177.8-179.9	2.1	E23768-70	0.002	0.02	
	5Ca	205.4-205.9	0.5	E23778	0.019	0.02	
M90-746	QCV	36.5-36.8	0.3	E23906	0.006	0.01	
	QV	53.1-54.0	0.9	E23907	0.117	0.01	
	5Ca	92.1-92.7	0.6	E23908	0.012	0.02	
M90-749	QV	234.2-234.8	0.6	E28210	0.010	0.02	
	QV	235.3-235.6	0.3	E28211	0.002	0.02	
	QV	285.6-286.1	0.5	E28219			43
M90-751	QV	152.9-153.4	0.5	E23715	N/A	N/A	
M90-753	QSTR	162.1-162.3	0.2	E26819	0.018	0.01	

Prior to commencement of the 1990 field season, previous geological, geophysical and diamond drilling results were compiled. Structural targets were selected based on projections of known veins and cross fault interpretations. A grid was laid out for an induced polarization/resistivity (IP/RES) geophysical survey designed to provide additional control for the planned diamond drilling campaign east of Erickson creek. Structural targets were drilled initially, while the IP/RES survey was conducted.

Hole M90-736 was drilled to test a structural target consisting of an inflection in the dip of the argillite/volcanic thrust contact. At the top of Table Mountain the contact dips approximately 30 degrees north and hosts the Vollaug vein. The contact flattens to the north and does not host any vein. A potential vein was modelled to splay off the base of the argillite at an inflection in dip of the thrust contact.

Hole M90-736 was abandoned short of the target depth when circulation in the hole was lost suddenly and the rods became stuck. The hole penetrated the base of the argillite, intersected very little listwanite and less than 30 centimetres of Vollaug type vein at the thrust contact. The hole was lost in moderately carbonate altered volcanic rocks.

Hole M90-737 was drilled about 200 meters west of hole M90-736. The objective was to test the same model described above, and also for a possible fault offset of a structure associated with the Caitlin vein in the Erickson mine. Hole M90-737 intersected two listwanite horizons. The upper listwanite occurs at the base of the argillite and the second was intersected approximately 100 meters below the first. No veins were intersected.

Hole M90-738 was drilled to test the McDame vein-fault structure east of Erickson creek. The McDame carbonate vein was modelled as a late stage reactivation of a pre-existing structure which might host early stage gold-bearing quartz lodes. The hole intersected abundant intensely altered volcanic rocks and the McDame carbonate vein. No significant quartz veins were intersected.

Hole M90-739 was drilled to follow-up an intersection in a previous hole (80-126: 0.2 meters @ 0.277 ounce/ton Au). The upper listwanite was not present in this hole. The hole was stopped before the lower horizon was intersected. No significant veins were intersected.

Hole M90-740 was drilled to follow-up an intersection in a previous hole (88-722: 0.6 meters @ 2.315 ounce/ton Au). Hole M90-740 was collared 40 meters east of hole 88-722. This intersection may be an easterly extension of the Bear vein in the Erickson mine. Intercalated listwanite and volcanics were intersected for 10 meters below the base of the argillite. No significant veins were intersected.

Hole M90-741 was collared about 50 meters west of the intersection in hole 88-722 and drilled from south to north. A 1 meter thick listwanite horizon was intersected about 10 meters below the base of the argillite. The hole intersected 2.1 meters of McDame-type carbonate veining which was oriented 10 degrees to the core axis. No significant quartz veins were intersected and no significant assays were obtained.

Hole M90-742 was drilled to test a structural target interpreted from an IP/RES survey. The target consisted of an interpreted fault contact between argillite and volcanic rocks trending 110 degrees. This orientation is the same as that of the Jennie vein and a similar major vein was anticipated to be associated with the interpreted fault. The hole intersected a 10 meter thick upper listwanite horizon followed by approximately 12 meters of intensely altered pyritized volcanic rocks. No significant intersections were obtained.

Hole M90-743 was collared immediately north of M90-742 to test a possibility that M90-742 had been drilled close to a vein. No significant intersections were obtained. The hole intersected less alteration than in hole M90-742.

Hole M90-744 was drilled to test a geophysical anomaly consisting of a linear resistivity high flanked by chargeability highs, correlative with a VLF-EM conductor. The hole was collared in volcanic rocks and intersected very little altered ground.

Hole M90-745 was drilled to test a geophysical anomaly consisting of a chargeability high coincident between a boundary dividing resistive and conductive ground. The target model for this hole consisted of pyritic alteration and veining situated at a chert/volcanic contact. The hole collared in listwanite (20 meters thick) and intersected intense alteration for the top 20 meters within volcanic rocks. A 1.7 meter thick pyritic fault breccia was intersected at 56.4 meters. No significant intersections were obtained.

Hole M90-746 was collared approximately 60 meters east of hole M90-741 to test a strong east trending geophysical chargeability anomaly. This zone appears to correlate with the Bear vein east extension. The hole intersected a quartz vein which assayed 0.7 meters @ 0.117 oz/ton Au, 0.02 oz/ton Ag, oriented 30 degrees to the core, which contains 1% combined pyrite and chalcopyrite. The intersection is correlated with those in holes M90-722 and M90-723, as an 052 degree trending, steeply dipping vein.

Hole M90-747 was collared about 40 meters east of M90-746 to follow-up the intersection in M90-746. The hole intersected a 0.2 meter quartz stringer with 2% pyrite which assayed 0.007 ounce/ton gold. The intersection appears similar to that in Hole M90-746.

Hole M90-748 was collared approximately 40 meters west of hole M90-746 to test the structure close to the McDame vein. The hole intersected a 4 meter thick McDame vein, followed by a 1.0 meter thick quartz stringer zone containing 10 - 15 centimeter wide stringers with <2% pyrite which assayed 0.080 ounce/ton gold. These stringers may represent the Bear east extension.

Hole M90-749 was drilled to test the McDame structure and a fault zone interpreted to correlate with a strong east trending chargeability anomaly at surface. A 20 meter thick listwanite horizon was intersected which contains two quartz veins. The first assayed 0.6 meters @ 0.010 and the second 0.3 meters @ 0.002 ounce/ton gold. A 2.0 meter thick McDame vein was intersected with a 0.5 meter wide quartz vein in the hanging wall of the dolomite vein. The quartz vein contains 1% pyrite and tetrahedrite and analyzed 360 ppb gold.

Hole M90-750 was drilled approximately 60 meters north of hole M90-738 to test a weak chargeability anomaly within an untested stretch of ground east of Erickson creek. Intercalated listwanite and volcanic rocks were intersected within 25 meters of the base of the argillite. A strong fault zone was intersected over 14.4 meters from 118.9 meters depth. A lower listwanite was intersected 20 meters below the upper horizon. No significant intersections were obtained.

Hole M90-751 was drilled to test for a steep vein hosted within volcanics along a structure marked by a lamprophyre dike in a previous hole (85-588). The hole intersected two listwanite horizons; the lower listwanite horizon was intersected about 25 meters below the upper horizon. A 7 meter thick fault and breccia zone containing chalcedony was intersected at 223 meters and a 0.9 meter breccia zone was intersected at 239.1 meters. No significant veins were intersected.

Hole M90-752 was drilled to test the up dip projection of a vein intersected in 1985 drilling. Hole M90-752 intersected intensely altered volcanic rocks and interlayered listwanite and volcanic rocks near the collar. Minor quartz stringers were intersected further down the hole. A 0.7 meter thick breccia textured quartz vein was intersected at 72.7 meters which assayed 0.013 ounce/ton gold.

Hole M90-753 was drilled to test the Bear east extension at a small chargeability anomaly located slightly northeast of the holes described above. The hole intersected a thin listwanite horizon and a 12 cm quartz stringer at 162.1 meters containing 3% disseminated pyrite which assayed 0.018 ounce/ton gold.

CONCLUSIONS

1) No significant ore bearing veins were found.

2) The McDame carbonate vein is now known to extend approximately 500 meters to the east of Erickson Creek as shown by hole M90-749. This is significant because the McDame vein is the only vein which is continuous across the Erickson creek fault zone. Further exploration of this structure may lead to a new quartz veined area. However, exploration to the east will require drilling to depths in excess of 250 meters.

3) Minor quartz veins are associated with the McDame structure, including the Bear vein east extension. This structure contains significant alteration and small mineralized stringers containing anomalous gold. Drilling to date indicates this is only a weakly developed vein structure.

4) The Jennie extension was not identified west of 1989 drilling. However, hole M90-751 intersected a mafic dike within argillite which may occupy a significant structure in the underlying volcanic rocks. The intensity of alteration and faulting encountered within the volcanic rocks in this hole may suggest that a vein structure lies nearby.

5) The two listwanites present in the Erickson mine area are also present east of Erickson creek and have not been significantly offset. The lower listwanite apparently dies out or merges with the upper listwanite in the northern most holes described.

Respectfully submitted

M. Ball

Matt Ball, M.Sc.

REFERENCES

Boronowski, A., 1986, A diamond drilling report on the Jennie Ext. #4, FG #1 & #2, Sun, Up, Hurricane #3 (L6529) & #4 (L6530) of the Jennie-86 Group: Assessment Report.

Dussell, E., 1986, Diamond drilling report on the Jennie 86 Group: Assessment Report.

Harms, T.A., Nelson, J.L., and Bradford, J.A., 1988, Geological Transect Across the Sylvester Allochthon North of the Blue River, Northern British Columbia (104 P/12): B.C. Ministry of Energy, Mines and Petroleum Resources, Geological Fieldwork, 1987, Paper 1988-1, pages 245-248.

COST STATEMENT

Personnel (June 1, 1990 to March 31, 1990)	
Martin Andrews B.Sc. - Geologist 75.25 days @ $150/day	$11,287.50
Diane Ball B.Sc. - Geologist 36 days @ $150/day	$5,400
Matt Ball B.Sc. - Project Geologist 10 days @ $230/day	$2,300
Steve Blower B.Sc. - Geologist 24.75 days @ $150/day	$3,712.50
Erle Dzus - Surveyor 29.25 days @ $125/day	$3,656.25
Darryl Noel - Labourer 83 day @ $100/day	$8,300
Greg Tomazewski - Surveyor 36 days @ $165/day	$5,940
Gunther Yip B.Sc. - Geologist 8 day @ $150/day	$1,200
Food and Accommodations	
220 man days @ $50/day	$11,000
Transportation	
4X4 Truck rental 192 days @ $50/day	$9,600
Mobilization/demobilization of crew Vancouver-Cassiar (return)	$3,000
Diamond Drilling (June 18 - Sept. 8, 1991)	
3,350.6 meters (NQ) @ $82/m	$274,749.20
Core boxes (includes shipping) 559 @ $10/box	$5,590
Sperry-Sun (borehole instrument) 3 months @ $2055/month	$6,165

Core storage	$1,360
Other	
Computer 1 month @ $875/month	$875
Telephone	$692.13
Office supplies	$2,799.66
Shipping and miscellaneous	$4,834.62
Analyses	
Geochemical (Au): Fire assays-AA 50 samples @ $12/sample	$600
Fire Assays (Au & Ag) 95 samples @ $15/sample	$1,425
Report Costs	
Report (4 copies)	$200
Drafting	$100
Miscellaneous	$100
Total Costs	**$364,886.86**

STATEMENTS OF QUALIFICATION

I, Matt Ball, of Box 403, Cassiar, British Columbia, do hereby certify that:

1) I hold a Bachelor of Science degree obtained in 1980 from the University of British Columbia, Vancouver, British Columbia, and a Master of Science degree obtained in 1984 from Queen's University, Kingston, Ontario.

2) I have been practicing my profession for the past 11 years.

3) I am employed by Total Energold Corp. of 1500 - 700 West Pender Street, Vancouver, British Columbia.

4) I supervised the work described in this and I am co-author of this report.

5) I do not hold any securities in Total Energold Corp. or its affiliated companies.

Matt Ball, M.Sc.

M. Ball

APPENDIX A: Geological Legend

GEOLOGICAL LEGEND

(Revised April 23, 1991)

TERTIARY and (?) EARLIER

Conglomerates

11	Kechika, Sandpile, Atan loosely cemented.

AGE UNKNOWN - INTRUSIVES

Dykes

10	Altered dyke
10a	Diabase
10c	Aplite
10d	Lamprophyre

UPPER CRETACEOUS

8	Cassiar Stock quartz monzanite

Veins

QV	Often containing sulphides, graphite and visible gold (> 0.3 meters)
QC	Quartz - carbonate vein
QSTR	Quartz stringer (< 0.3 meters)

MISSISSIPPIAN to TRIASSIC

SYLVESTER GROUP

Listwanite - altered basic to ultramafic rocks, may contain veinlets of quartz, dolomite, brucite and talc.

7a	Serpentinite, chlorite, carbonate with minor talc.
7b	Talc, carbonate, minor chlorite
7c	Quartz, mariposite, carbonate and minor talc
7d	Basic to ultramafic intrusives - peridotite, amphibolite and norite
6	Undifferentiated felsic, intrusive rocks

Unit III

5E	Volcanic and sedimentary rocks

Unit II - Interbedded Sediments

5Da	Greywacke
5Db	Siltstone
5Dc	Sandstone
5Dd	Argillite
5De	Limestone (continuous pods)
5Df	Chert, ribbon chert, interbedded chert and argillite

Unit I - Interbedded Volcanic Rocks

5Ca	Massive meta-basalt to andesite flows, without pillows, occasional local phenocrysts of feldspar or pyroxene

5Cb	Meta-basalt to andesite tuff breccia and/or flow breccia, with local phenocrysts of feldspar or pyroxene and pillowed volcanics
5Cd	Cherty, argillite - argillaceous chert
5Ce	Cherty tuff - tuffaceous chert
5Cf	Chert
5Ci	Meta-diorite/gabbro; coarse grained
5B	Undifferentiated metasediments: chert, tuff chert includes argillite in northeast, well layered chert phyllite, ribboned chert and argillite.
5A	Argillite, siltstone, chert, quartzite, limestone pebble conglomerate, tuff includes numerous diabase and andesite sills.

MIDDLE and UPPER DEVONIAN

McDAME GROUP

4a	Dolomite (black) and limestone (grey) with numerous veinlets and vugs of dolomite, occasional laminations and nodules of chert.

SANDPILE GROUP

3a	Dolomite and dolomitic sandstone - dark to light grey, commonly laminated.

CAMBRIAN and ORDOVICIAN

KECHIKA GROUP

2c	Argillite, shale, slate - black to grey-black; mostly argillite with pervasive, mild slaty cleavage; some selections of shale and slate. Cherty and calcareous sections throughout, laminated to bedded. Pyrite occurs as fine disseminations up to 1% and as fine streaks.
2b	Phyllite - black, friable, carbonaceous with minor pyrite.
2a	Argillaceous limestone - grey-black, massive with argillite and shale fragments.

CAMBRIAN

LOWER CAMBRIAN

Atan Group

1f	Limestone - blue-grey to dark grey, laminated to well bedded to massive, with "flaggy" patches and minor fragmental or breccia sections.
1e	Recrystallized limestone (marble) - buff, white, massive and as stringers and patches in 5De, large rhombohedric crystals.
1d	Dolomite - yellow, buff, brown, rose, crystalline, massive with some friable sections, minor pyritohedrons in the crystalline portions.
1c	Quartzite - maroon, green, brown, and tan. Well bedded with cross bedded sections. With pyrite and lesser pyrrhotite as disseminations and stringers.
1b	Hornfelsic quartzite - maroon, green, buff, and brown. Pure quartzite beds are crystalline. Less pure beds are schistose and contain andalucite patches, chlorite clots occur in the green chlorite rich beds, pyrite and pyrrhotite tends to be more abundant.
1a	Shale and slate - black, grey and buff. Laminated, pyritic and carbonaceous with local calcareous interbeds.

ALTERATION SYMBOLS

G	Graphite
K	Clay (kaolinite, montmorillonite?)
Se	Sericite
Si	Silica
D	Carbonate, Fe - Mg carbonate
CB	Crackle breccia

py volc	Pyritic volcanics
Ch	Chlorite
EP	Epidote
C	Calcite
Sk	Skarn - garnet diopside and garnet-actinolite. Minor scheelite mineralization.

ALTERATION INTENSITY

wG	Weak graphite
mG	Moderate graphite
iG	Intense graphite

FAULT INTENSITY

wF	Weak fault	gouge/breccia < 3 cm wide
mF	Moderate fault	gouge/breccia < 10 cm wide
SF	Strong fault	gouge/breccia < 30 cm wide
MF	Major fault	gouge/breccia > 30 cm wide

SYMBOLS

Pitch of slickensides

APPENDIX B: Analytical Procedures

Northern Analytical Laboratories ltd.

FIRE ASSAY - DIGESTION

December 30, 1989

Purpose : To be used when gold, Pt, Pd & Rh are to be determined by A.A.S. Any gold value above 0.5 oz/t should be redone gravimetrically.

Reagents :
Nitric acid: Concentrated
Hydrochloric acid: Concentrated

Procedure :

(1) Pick beads out of cupel and place into a 16 x 150 mm test tube.

(2) Add 1 ml of water and 1 ml of nitric acid.

(3) Place in hot water bath for at least 10 minutes. Reaction is complete when bubbling stops.

(4) Remove from hot water bath and add 3 ml hydrochloric acid. Let stand until solution reaches room termperature.

(5) Bulk to 10 ml with water using a reference.

(6) Mix thoroughly and run on A.A. using 30% HCl standards.

A.A. SETUP :

		SAMPLE WEIGHT				
#	Std	10g	15g	30g	1/2 AT	1 AT
1	1.00	1.00	667	333	0.020	0.0100
2	2.50	2.50	1667	667	0.050	0.0300
3	5.00	5.00	3333	1667	0.100	0.0500
4	10.00	10.00	6667	3333	0.250	0.1000
5	25.00	25.00	16667	6667	0.500	0.2500
PROGRAM		16	3	3	4	5
UNITS		g/t	ppb	ppb	oz/t	oz/t

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Northern Analytical Laboratories ltd.

Metals in Soils/Rocks by AAS

December 31, 1989

Metals : **Ag, As, Bi, Cd, Co, Cu, Fc, Mo, Ni, Pb, Sb, Zn**

Reagents :

Hydrochloric acid:	Concentrated
Nitric acid:	Concentrated
Aluminum chloride:	200g/litre
Tartaric acid:	100g/litre

Procedure : **Digestion**

(1) Weigh 0.500 gram of sample into a 10 x 150 mm test tube.

(2) Add 2 mls water and 1 ml Nitric acid. Let stand for 5 minutes.

(3) Place in boiling water bath for 50 minutes.

(4) Add 3 ml Hydrochloric acid.

(5) Place in boiling water bath for 50 minutes.

(6) Cool to room temperature in cold water bath.

(7) Bulk to 10 mls with water using a reference.

(8) Stir to mix and allow to settle.

(9) Run on A.A. using 30% HCl standards.

NOTES : **ALWAYS** run silver and lead first.

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APPENDIX C: Certificates of Analyses

Northern Analytical Laboratories ltd.

August 17,1990

Work Order # 08312

Erickson Gold Mining Corp.
Bag 1500
Cassiar, B.C.
V0C 1E0

File # 08312b

P.O. # MN 5469

Assay Certificate for Samples Submitted

	Sample	oz/t Au	oz/t Ag
C	33261	0.020	<0.02
C	33262	<0.002	<0.02
C	33263	<0.002	<0.02
C	33264	<0.002	<0.02
M	23901	<0.002	<0.02
M	23902	<0.002	<0.02
M	23903	<0.002	<0.02
M	E23904	<0.002	<0.02
M	E23905	<0.002	<0.02
M	E23906	0.006	<0.02
M	E23907	0.117	<0.02
M	E23908	0.012	<0.02
M	E26807	<0.002	<0.02
M	E26808	<0.002	<0.02
M	E26809	<0.002	<0.02
M	E26810	<0.002	<0.02
M	E26811	<0.002	<0.02
M	E26812	<0.002	<0.02
M	E26813	<0.002	<0.02
M	E26814	<0.002	<0.02
M	E26815	0.003	<0.02
M	E26816	<0.002	<0.02
M	23852	<0.002	<0.02
M	E32951	<0.002	<0.02

Au -- 1AT Fire Assay/Grav.
Ag -- Aqua Regia Digestion/AAS Geochem

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Northern Analytical Laboratories ltd.

August 17,1990

Work Order # 08312

Erickson Gold Mining Corp.
Bag 1500
Cassiar, B.C.
V0C 1E0

File # 08312c

P.O. # MN 5469

Assay Certificate for Samples Submitted

Sample	ppb Au	ppm Ag
E23851	20	<0.1

Au -- 15g Fire Assay/AAS
Ag -- Aqua Regia Digestion/AAS Geochem

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Northern Analytical Laboratories ltd.

August 29,1990

Work Order # 08333

Erickson Gold Mining Corp.
Bag 1500
Cassiar, B.C.
V0C 1E0

File # 08333a

P.O. # MN 5480

Assay Certificate for Samples Submitted

Sample	ppb Au
23801	24
23802	12
23803	27
23804	11
23805	13
23806	12
23807	16
23808	40
23809	<10
23810	12
[redacted]	
26803	47
26804	69
26806	26
28214	32
28215	360
28216	86
28217	27
28218	36
28219	43
[redacted]	

Au -- 15g Fire Assay/AAS

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August 29,1990

Work Order # 08333

Erickson Gold Mining Corp.
Bag 1500
Cassiar, B.C.
V0C 1E0

File # 08333b

P.O. # MN 5480

Assay Certificate for Samples Submitted

Sample	oz/t Au	oz/t Ag
23751	<0.002	<0.02
23752	<0.002	<0.02
23753	0.023	<0.02
23754	<0.002	<0.02
23755	<0.002	<0.02
23756	<0.002	<0.02
23757	0.002	<0.02
23758	0.002	<0.02
23759	<0.002	<0.02
23760	<0.002	<0.02
23761	<0.002	<0.02
23762	<0.002	<0.02
23763	<0.002	<0.02
23764	<0.002	<0.02
23765	<0.002	<0.02
23766	<0.002	<0.02
23767	<0.002	<0.02
23768	<0.002	<0.02
23769	0.002	<0.02
23771	0.035	<0.02
23651	<0.002	<0.02
23652	<0.002	<0.02
23909	<0.002	<0.02
23910	<0.002	<0.02
23911	<0.002	<0.02
23912	<0.002	<0.02
23913	<0.002	<0.02
23914	<0.002	<0.02
23915	<0.002	<0.02
23916	<0.002	<0.02

Au -- 1AT Fire Assay/Grav
Ag -- Aqua Regia Digestion/AAS Geochem

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August 29,1990

Work Order # 08333

Erickson Gold Mining Corp.
Bag 1500
Cassiar, B.C.
V0C 1E0

File # 08333c

P.O. # MN 5480

Assay Certificate for Samples Submitted

Sample	oz/t Au	oz/t Ag
M 23917	0.006	<0.02
M 23918	<0.002	<0.02
M 23919	<0.002	<0.02
M 23920	<0.002	<0.02
M 23921	<0.002	<0.02
M 23922	0.071	0.02
M 23923	0.055	0.02
M 23924	0.011	<0.02
M 23925	0.013	<0.02
M 23926	0.080	<0.02
M 26801	0.051	<0.02
M 26802	<0.002	<0.02
M 26805	<0.002	<0.02
C 28204	0.003	<0.02
C 28205	0.002	<0.02
C 28206	<0.002	<0.02
C 28207	<0.002	<0.02
C 28208	<0.002	<0.02
M 28209	0.004	<0.02
M 28210	0.010	<0.02
M 28211	<0.002	<0.02
M 28212	<0.002	<0.02
M 28213	<0.002	<0.02
C 32952	<0.002	<0.02
C 32953	<0.002	<0.02
C 32954	0.011	0.32
[illegible]	[illegible]	[illegible]
[illegible]	[illegible]	[illegible]
[illegible]	[illegible]	[illegible]
C [illegible]	<0.002	<0.02
C [illegible]	0.010	<0.02

Au -- 1AT Fire Assay/Grav
Ag -- Aqua Regia Digestion/AAS Geochem

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Northern Analytical Laboratories ltd.

September 6,1990

Work Order # 08355

Erickson Gold Mining Corp.
Bag 1500
Cassiar, B.C.
V0C 1E0

File # 08355a

P.O. # MN 5484

Assay Certificate for Samples Submitted

Sample	oz/t Au	oz/t Ag
C [illegible]	[illegible]	[illegible]
C [illegible]	[illegible]	[illegible]
[illegible]	[illegible]	[illegible]
[illegible]	[illegible]	.02
C [illegible]	[illegible]	<0.02
M E26818	<0.002	<0.02
M. E23707	0.022	<0.02
M E23770	0.004	<0.02
M E23772	0.003	<0.02
M E23773	<0.002	<0.02
M E23778	0.019	<0.02
H E23779	<0.002	<0.02
H E23780	<0.002	<0.02
H E23781	<0.002	<0.02
C E33478	[illegible]	<0.02
C [illegible]	[illegible]	[illegible]
C [illegible]	[illegible]	[illegible]
[illegible]	[illegible]	[illegible]
[illegible]	[illegible]	[illegible]
C [illegible]	[illegible]	[illegible]
C [illegible]	[illegible]	[illegible]
C [illegible]	[illegible]	[illegible]
M E33266	<0.002	<0.02
M E33267	<0.002	<0.02
M E33268	<0.002	<0.02

Au -- 1AT Fire Assay/Grav
Ag -- Aqua Regia Digestion/AAS Geochem

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September 6,1990

Work Order # 08355

Erickson Gold Mining Corp.
Bag 1500
Cassiar, B.C.
V0C 1E0

File # 08355b

P.O. # MN 5484

Assay Certificate for Samples Submitted

Sample	ppb Au
E23702	104
E23703	49
E23704	113
E23705	2119
E23706	501
E23708	379
E23709	439
E23710	588
E23711	64
E23712	57
E23713	25
E23714	17
E23811	13
E23812	59
E23813	44

Au -- 15g Fire Assay/AAS

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September 13,1990

Work Order # 08382

File # 08382a

P.O. # MN 5486

Erickson Gold Mining Corp.
Bag 1500
Cassiar, B.C.
V0C 1E0

Assay Certificate for Samples Submitted

Sample	oz/t Au	oz/t Ag
C 23627	0.002	<0.02
C 23628	0.032	<0.02
C 23629	0.051	<0.02
C 23630	0.034	<0.02
~~C 23631~~	~~<0.002~~	~~<0.02~~
23632	0.028	<0.02
23762	0.016	<0.02
23763	0.010	<0.02
23960	<0.002	0.06
M 28220	0.007	<0.02
M 28221	0.006	<0.02
M 28222	0.009	<0.02
M 28223	0.006	<0.02
23481	0.012	<0.02
23482	0.012	<0.02
23483	0.006	<0.02

Au -- 1AT Fire Assay/Grav
Ag -- Aqua Regia Digestion/AAS Geochem

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September 19,1990

Erickson Gold Mining Corp.
Bag 1500
Cassiar, B.C.
V0C 1E0

Work Order # 08388

File # 08388a

P.O. # SR 5494

Assay Certificate for Samples Submitted

Sample	ppb Au	ppm Ag
M 23853	38	0.6
M 23854	25	0.8
M 23855	44	1.5
M 23856	65	0.8
M 23857	57	0.2
M 23858	139	1.4
M 23859	46	0.4
M 23861	<10	<0.1
M 23862	19	<0.1
M 23863	20	<0.1
M 23864	29	<0.1
M 23865	42	<0.1
M 23866	16	<0.1
M 23867	45	0.5
M 23868	52	0.6

Au -- 15g Fire Assay/AAS
Ag -- Aqua Regia Digestion/AAS Geochem

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September 19,1990

Work Order # 08388

File # 08388b

P.O. # SR 5494

Erickson Gold Mining Corp.
Bag 1500
Cassiar, B.C.
V0C 1E0

Assay Certificate for Samples Submitted

Sample	oz/t Au	oz/t Ag
C 23621	<0.002	<0.02
C 23635	<0.002	<0.02
C 23638	0.003	<0.02
C 23640	0.010	0.43
M 23929	<0.002	<0.02
M 26819	0.018	<0.02
M 28224	<0.002	<0.02
C 35265	0.008	<0.02

Au -- 1AT Fire Assay/Grav
Ag -- Aqua Regia Digestion/AAS Geochem

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Northern Analytical Laboratories ltd.

September 19,1990

Work Order # 08400

File # 08400a

P.O. # MS 4474

Erickson Gold Mining Corp.
Bag 1500
Cassiar, B.C.
V0C 1E0

Assay Certificate for Samples Submitted

	Sample	oz/t Au	oz/t Ag
M	E23860	0.084	0.02
C	E23633	0.043	0.15
C	E23636	<0.002	<0.02

Au -- 1AT Fire Assay/Grav
Ag -- Aqua Regia Digestion/AAS Geochem

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Northern Analytical Laboratories ltd.

September 28,1990

Work Order # 08422

File # 08422a

P.O. # MS 4481

Erickson Gold Mining Corp.
Bag 1500
Cassiar, B.C.
V0C 1E0

Assay Certificate for Samples Submitted

Sample	oz/t Au	oz/t Ag
23639	0.007	<0.02
23788	0.002	<0.02
23789	0.002	<0.02
23790	[illegible]	<0.02
23814	<0.002	<0.02
26820	0.020	0.02
[illegible]	[illegible]	<0.02
[illegible]	[illegible]	<0.02
[illegible]	[illegible]	[illegible]
[illegible]	[illegible]	[illegible]
[illegible]	[illegible]	[illegible]
[illegible]	[illegible]	[illegible]
[illegible]	[illegible]	[illegible]
[illegible]	[illegible]	[illegible]
[illegible]	[illegible]	[illegible]
[illegible]	[illegible]	[illegible]
[illegible]	[illegible]	[illegible]
[illegible]	[illegible]	[illegible]
[illegible]	[illegible]	[illegible]

Au -- 1AT Fire Assay/Grav.
Ag -- Aqua Regia Digestion/AAS Geochem

RECEIVED OCT 3 1990

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A. Sc. T.

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

BONDAR-CLEGG

Certificate of Analysis

REPORT: V90-02889.4

DATE PRINTED: 18-DEC-90
PROJECT: 20022 PAGE 1

SAMPLE NUMBER	ELEMENT UNITS	Au OPT	Ag OPT
M R2 E23725		0.013	<0.02

Registered Assayer, Province of British Columbia

Bondar-Clegg & Company Ltd.
130 Pemberton Ave.
North Vancouver, B.C.
V7P 2R5
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BONDAR-CLEGG

Certificate of Analysis

DATE PRINTED: 7-JAN-91

REPORT: V90-02933.4

PROJECT: 2U022 PAGE 1

SAMPLE NUMBER	ELEMENT UNITS	Au OPT	Ag OPT
M R2 E28236		0.007	0.02
M R2 E28237		0.011	0.02
M R2 E28238		0.003	0.02

Registered Assayer, Province of British Columbia

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

BONDAR-CLEGG

Geochemical Lab Report

A DIVISION OF INCHCAPE INSPECTION & TESTING SERVICES

REPORT: V90-02935.0

DATE PRINTED: 4-JAN-91
PROJECT: 20023
PAGE 1

SAMPLE NUMBER	ELEMENT UNITS	Au 30g PPB
R2 E23727		645
R2 E23728		7
R2 E23729		322
R2 E23730		147
R2 E23731		1442

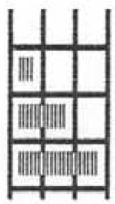
APPENDIX D: Diamond Drill Logs

ERICKSON GOLD MINING CORP.

DRILL LOG

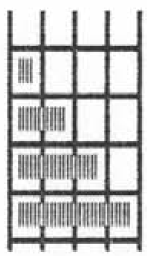
PROJECT ERICKSON	GROUND ELEV. 1568.500 m
HOLE No. M90-737	BEARING 176.9800 deg
LOCATION 6563984.472 m NORTH 462309.466 m EAST MAURA BASELINE	DIP -58.85 deg TOTAL LENGTH 244.140 m
LOGGED BY M. ANDREWS	HORIZONTAL PROJECT 122.155 m
DATE	VERTICAL PROJECT -211.335 m
CONTRACTOR D. J.	ALTERATION SCALE
CORE SIZE NQ	
DATE STARTED JUNE 25, 90	
DATE COMPLETED	TOTAL SULPHIDES SCALE
COMMENTS TO TEST THE WESTERN EXTENSION OF THE T.M.L. NO INTERSECTION DYKE @ 195.9 - 196.0 m.	

ALTERATION SCALE



absent
slight
moderate
intense

TOTAL SULPHIDES SCALE



traces only
< 1%
1% to 3%
3% to 10%
> 10%

LENGTH	AZIMUTH	DIP	HORZ	ELEV	DIST FROM BL	SECTION	SEC OFFSET	DESCRIPTION
0.00	176.98	-58.85	0.00	1568.50	482.62 S	493.0 W	2.74 W	COLLAR
30.95	176.98	-58.85	16.01	1542.01	496.89 S	494.0 W	10.00 W	X-SECTION
46.64	183.00	-61.00	24.12	1528.59	504.12 S	494.0 W	6.32 E	DIP CHANGE
70.57	183.00	-61.00	35.73	1507.65	513.85 S	494.0 W	0.00 W	CL-SECTION
84.50	183.00	-61.00	42.48	1495.47	519.51 S	494.0 W	3.68 W	HW->QSTR
84.75	183.00	-61.00	42.60	1495.25	519.61 S	494.0 W	3.74 W	FW->QSTR
84.75	183.00	-61.00	42.60	1495.25	519.61 S	494.0 W	3.74 W	HW->7C
90.90	183.00	-61.00	45.58	1489.87	522.11 S	494.0 W	5.37 W	FW->7C
108.44	183.00	-61.00	54.09	1474.53	529.25 S	495.0 W	10.00 W	X-SECTION
146.32	183.00	-61.00	72.45	1441.41	544.65 S	495.0 W	0.00 W	CL-SECTION
168.70	183.00	-59.00	83.30	1421.82	553.75 S	495.0 W	5.91 W	DIP CHANGE
183.28	183.00	-59.00	90.81	1409.33	560.04 S	496.0 W	10.00 W	X-SECTION
192.80	183.00	-59.00	95.71	1401.17	564.16 S	496.0 W	7.33 E	HW->7C
193.90	183.00	-59.00	96.28	1400.23	564.63 S	496.0 W	7.02 E	FW->7C
195.40	183.00	-59.00	97.05	1398.94	565.28 S	496.0 W	6.60 E	HW->7A
195.90	183.00	-59.00	97.31	1398.51	565.50 S	496.0 W	6.46 E	FW->7A
195.90	183.00	-59.00	97.31	1398.51	565.50 S	496.0 W	6.46 E	HW->10A
196.00	183.00	-59.00	97.36	1398.43	565.54 S	496.0 W	6.43 E	FW->10A
196.00	183.00	-59.00	97.36	1398.43	565.54 S	496.0 W	6.43 E	HW->7A
198.90	183.00	-59.00	98.86	1395.94	566.79 S	496.0 W	5.62 E	FW->7A
199.80	183.00	-59.00	99.32	1395.17	567.18 S	496.0 W	5.37 E	HW->LIST
201.70	183.00	-59.00	100.30	1393.54	568.00 S	496.0 W	4.83 E	FW->LIST
218.93	183.00	-59.00	109.17	1378.77	575.44 S	496.0 W	0.00 W	CL-SECTION
244.14	0.00	0.00	122.16	1357.16	586.33 S	496.0 W	7.07 W	END OF HOLE

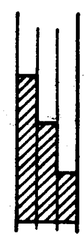
ERICKSON GOLD MINING CORP.

MINERALS SECTION

DRILL LOG

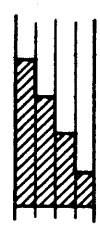
PROJECT ERICKSON	GROUND ELEV. 1568.500 m.
HOLE No. M90-737	BEARING 176.9800°
LOCATION N: 63984.472 E: 62309.466	DIP -58.85° TOTAL LENGTH 244.140 m.
LOGGED BY M. ANDREWS	HORIZONTAL PROJECT 122.155 m.
DATE	VERTICAL PROJECT -211.335 m
CONTRACTOR D. J. DRILLING	ALTERATION SCALE (see below)
CORE SIZE NQ	
DATE STARTED JUNE 25, 1990	
DATE COMPLETED JUNE 28, 1990	TOTAL SULPHIDE SCALE (see below)
DIP TESTS ACID: 244.14 m. = -59° SPERRY-SON 93.3m Az 183.0° Dip - 61.0°	
COMMENTS	LEGEND

ALTERATION SCALE



absent
slight
moderate
intense

TOTAL SULPHIDE SCALE



traces only
< 1%
1% – 3%
3% – 10%
> 10%

PROJECT: MAIN MINE

HOLE No. M90-737

DEPTH (METRES)	% Core Recy	LITHOLOGY	STRUCTURE		GEOLOGICAL DESCRIPTION	ALTERATION D (A)	G (B)	Si (C)	Se (D)	M (E)	FRACT INTENSITY	T	K
				0 - 3.7	CASING								
				3.7-84.5	ARGILLITE								
					3.7-24.1								
					-interval of w- to m- broken ground								
					- black to dk grey mudstones + siltstones (~70% black graphitic 5Dd)								
10					- grades between well laminated to BRXX ; Bx frags are 2mm to 2 cm and are supported by black, graphitic matrix.								
					-@ 22.44-22.6 is a 16cm wide massive white qtz / calcite str containing a 4cm 5Dd clast and white calcite forming a partial rim around the clast.								
					HW+FW = 60° TCA								
20													
					24.1-84.5								
					-entire interval is mainly finely laminated to m-Bx black to dk grey 5Dd.								
					- higher percentage (~15-20%) of white quartz + qtz/carb. stringers contained in microfractures (up to 5cm.)								
40					-qtz str. vary between 0°TCA and 60° TCA.								
					-laminations @ 55° TCA								
					-periodic gougy intervals at 47.3-49.9, 69.6-70.1, 73.9-74.4 } w-F								
					-pyrite present throughout								
60													

PAGE 2 OF 28 | PROJECT: MAIN MINE | HOLE No. M90-737

MINERALIZATION DESCRIPTION	TOTAL SULPHIDE	INTERVAL	WIDTH	ASSAY NUMBER	%	%	%			COMPOSITE ASSAYS
- py. present throughout as fine to med. grained dissem. blebs (some cubes ?).										
- no Sx's assoc. with stringers										

PROJECT: MAIN MINE

HOLE No. M90-737

DEPTH (METRES)	% Core Recy	LITHOLOGY	STRUCTURE		GEOLOGICAL DESCRIPTION	ALTERATION D A	G B	Si C	Se D	M E	FRACT INTENSITY	T	K
					ARGILLITE (cont.)								
				84.5-84.75	QUARTZ STRINGER - 0.25 m graphitic white qtz/buff carbonate stringer within list. - arg. contact. - stringer contains black, gougy graphitic partings // to vein walls - HW + FW = ~ 75° TCA - tr-M specks within 2cm of the FW contact with list. - stringer is very vuggy + convoluted.								
				84.75-90.9	LISTWANITE (7c) - black to dk grey with random qtz/carb stringers and extremely well defined and finely foliated (foliation @ 70° TCA). - m-G, w-M (mariposite as randomly spaced blebs) - py disseminated throughout. -FW : 60° -HW : 75°								

PROJECT: MAIN MINE

HOLE No. M90-737

MINERALIZATION DESCRIPTION	TOTAL SULPHIDE	INTERVAL	WIDTH	ASSAY NUMBER	%	%	%			COMPOSITE ASSAYS
- pyrite occurs as medium to coarse aggregates which are concentrated along the foliation planes - the py. has been stretched along these planes.										

 PROJECT: Main Mine HOLE No. M90-737

DEPTH (METRES)	% Core Recy	LITHOLOGY	STRUCTURE		GEOLOGICAL DESCRIPTION	ALTERATION D A	G B	Si C	Se D	M E	FRACT INTENSITY	T	K
				90.9-91.9	VOLCANICS (5Ca) - HW contact with listwanite : 60° TCA. 90.9-91.3 - M-CBx greenish-grey to light white buff with first 2cm. pyritic. - 1cm wide white qtz stringer @ 91.0 with greyish clay on stringer walls - @ ~55° TCA. 91.3-91.9 - massive m-green mottled 5Ca - mottled texture is from 2% fine grained soft white irregular specks (carbonate replacement of plag.?) - also very fine disseminated buff specks (~ w-D ?) and fine G. stringers. - 2cm of w-D of F.W. contact								
				91.9-92.1	CHERT (5Cf) HW+FW contacts @ 60° TCA - aphanitic, w-CBx, mod.-dk grey with random limonitic fractures.								
				92.1-108.3	VOLCANICS (5Ca) - generally massive moderate to dark green with minor zones of w-CBx, w-D and i-limonitic halos surrounding qtz/carb. stringers. - weak to mod. sericite alteration occurs throughout as wispy blebs - this w-Se is not seen in the limonitic zones. - also trace, random blebs of whitish-green, soft mineral (talc?) - no vis. sx's. + 93.9-94.1 - i-limonitic staining surrounding a 3cm qtz/carb. stringer. HW+FW @ 50° TCA								

PAGE 6 OF 28	PROJECT: MAIN MINE	HOLE No. M90-737

MINERALIZATION DESCRIPTION	TOTAL SULPHIDE	INTERVAL	WIDTH	ASSAY NUMBER	%	%	%			COMPOSITE ASSAYS

 PROJECT: MAIN MINE HOLE No. M90-737

DEPTH (METRES)	% Core Recy	LITHOLOGY	STRUCTURE		GEOLOGICAL DESCRIPTION	ALTERATION D A	G B	Si C	Se D	M E	FRACT INTENSITY	T	K
				92.1-108.3	VOLCANICS (cont.)								
					95.9-96.1								
					- same as previous i-limonitic zone.								
					HW/FW @ 30° TCA								
					107.0-107.3								
				W-F	- m-broken core containing fragments of white qtz stringer, w-D 5Ca + black graphitic material. - may W-F								
					107.4-108.0								
					- larger zone of i-limonitic staining and random fine qtz stringers.								
					- too stained to notice any alteration.								
					- HW/FW @ 50° TCA								
					- last several meters of entire volc. interval gets increasingly more graphitic and CBx.								
					- graphite occurs of thin (<1mm) to wider (5 cm) stringers in the 5Ca (random orientation).								
					108.0-108.3								
					- m-D, very pyritic light purplish-buff coloured 5Ca.								
					- qtz flooding occurs as coarse blebs								
				108.3-109.5	CHERT (5Cf)								
					- HW contact @ 90° TCA while the FW contact is irregular and gradational.								
					- aphanitic, w-CBx mod. to dk grey								
					- near FW contains large (10cm.) fragments of buff 5Ca								
					- pyritic.								
				109.5-124.8	VOLCANICS (5Ca)								
				109.5-110.6	- m-CBx graded down hole into massive								
					- entire interval is very pyritic								
					- FW contact (sharp) @ 30° TCA.								
					- lower part of interval is grey to med. buff with a mottled appearance.								
					- mottled specks are whitish/grey and								

PROJECT: MAIN MINE

HOLE No. M90-737

MINERALIZATION DESCRIPTION	TOTAL SULPHIDE	INTERVAL	WIDTH	ASSAY NUMBER	%	%	%			COMPOSITE ASSAYS
108.0-108.3										
- abundant py which occurs as very fine disseminated, aggregates which are concentrated along randomly oriented fractures.										
108.3-109.5										
- contains trace very fine dissem. py. throughout; towards end of interval (in 5Cf/5Ca transition) the py % increases dramatically										
- at the end the py. is fine grained aggregates (<1 cm).										
109.5-109.9										

 PROJECT: MAIN MINE HOLE No. M90-737

DEPTH (METRES)	% Core Recy	LITHOLOGY	STRUCTURE		GEOLOGICAL DESCRIPTION	D A	G B	Si C	Se D	M E	FRACT INTENSITY	T	K
				109.5-124.8	VOLCANICS (cont.)								
					soft (maybe carbonate or clay replacement). -also mottled due to the py aggregates.								
					110.6-110.9 : -HW of this interval is very pyritic (~25% -30%) and grades down into 5% py. -m-CBx texture buff-green fragments with graphitic/qtz fractures -m-D -FW @ 30° TCA marked by a 5mm wide qtz stringer.								
					110.9-111.9 - mod. to intensely rusty limonitic staining. - interval contains some soft white specks in a mottled texture but hard to tell what alteration due to staining.								
					111.9-114.2 : - light buff-green, w-D massive with fine qtz/carb. stringers randomly oriented and fine limonitic fractures. -no visible sx's. -FW of contact (sharp) @ 30° TCA -trace medium grained blebs of light forest-lime green mineral (sericite?) -@113.9 m. is a 2cm. wide transparent qtz stringer with abundant vugs and limonitic walls.								
					114.2-116.7 : - medium green massive 5Ca; relatively soft (w-K) -@115.0-115.2 is a fine grained powdery zone of m-K alteration.								

PROJECT: MAIN MINE

HOLE No. M90-737

MINERALIZATION DESCRIPTION	TOTAL SULPHIDE	INTERVAL	WIDTH	ASSAY NUMBER	%	%	%			COMPOSITE ASSAYS
110.6-110.9: very pyritic (~25%); med. to coarse aggregates in a mottled texture and fine (<2mm) stringers of pyrite										

PAGE 11 OF 28	PROJECT: MAIN MINE	HOLE No. M90-737

DEPTH (METRES)	% Core Recy	LITHOLOGY	STRUCTURE	GEOLOGICAL DESCRIPTION	D (A)	G (B)	Si (C)	Se (D)	M (E)	FRACT INTENSITY	T	K

114.2 - 116.7 (cont.)

- contact of K zone:

  HW = 50° TCA

  FW = 20° TCA

- maybe w- fault.

@ 115.7 - 116.7 is a white qtz/carb. stringer which runs nearly // to the core axis. (HW+FW = ~10° TCA).

- can't determine the width.
- no vis. sx's but contains fine fractures and open space fillings of limonitic - buff coloured carbonate.
- the 5Ca in contact with this qstr contains ~2% disseminated blebs of lime green sericite (?)

116.7 - 124.0

- medium green - buff coloured, w-CBx pyritic 5Ca several 1-2 cm wide qtz + carbonate stringers
- both stringers contain large vugs of which the walls are perfect calcite rhombs (<5 mm). ; these stringers contain angular clasts (<1 cm) of 5Ca
- stringer contacts: ~30-40° TCA
- 5Ca is w-D and w-G (small zones of graphitic/quartz - <4 cm).

124.0 - 124.8

- m-broken, i-CBx; m-Gr, pyritic 5Ca
- FW contact gradational with cherts
- w-F ?

PAGE 12 OF 28.	PROJECT: MAIN MINE.	HOLE No. M90-737

MINERALIZATION DESCRIPTION	TOTAL SULPHIDE	INTERVAL	WIDTH	ASSAY NUMBER	~~%~~ oz/ton Au	~~%~~ oz/ton Ag	%			COMPOSITE ASSAYS
115.8 - 116.9 m. - massive wht QQTR // TCA.		115.8 - 116.9	1.1	E26801	0.051	<0.02				
116.7 - 124.0 - ~2-3% fine to coarse grained euhedral cubes to irregular blebs of pyrite throughout entire interval (none in the qtz-carb stringers)										
124.0 - 124.8 - ~3% med. to coarse grained euhedral cubes to irregular blebs of pyrite.										

PROJECT: MAIN MINE

HOLE No. M90-737

DEPTH (METRES)	% Core Recy	LITHOLOGY	STRUCTURE	GEOLOGICAL DESCRIPTION	ALTERATION D A	G B	Si C	Se D	M E	FRACT INTENSITY	T	K

124.8-132.6 CHERT (5Cf)

- grey to black, m-CBx, pyritic 5Cf.
- CBx fragments are supported by fractures of graphite.
- rough laminations formed between larger fragments @ ~50° TCA - defined by graphitic partings.
- ~5% <1cm. wide white qtz stingers @ ~30° TCA.
- FW contact @ 90° TCA (poorly defined)

132.6-142.4 VOLCANICS (5Ca)

132.6-138.0

- medium green, w-m CBx, pyritic 5ca
- the CBx increases in intensity towards the end of the interval.
- @ 136.7-136.9 there is a white/buff coloured quartz-calcite stinger which contains angular fragments (<1cm) of i-CBx, graphitic 5Ca.
- later stage qtz + calcite has grown concentrically around clasts!
- the last 1.1 m. of this interval the 5Ca is w-D, w-G and i-CBx and contains 7% thin qtz/carb stingers

138.0-138.7

- black, i-G, pyritic, m-broken 5Ca
- contains 5% white quartz as thin random stingers and clasts (<5mm)
- maybe w-F

138.7-139.0

- m-i broken, buff-green, pyritic 5Ca.
- m-F ? also w-D.

 PROJECT: MAIN MINE HOLE No. M90-737

MINERALIZATION DESCRIPTION	TOTAL SULPHIDE	INTERVAL	WIDTH	ASSAY NUMBER	%	%	%			COMPOSITE ASSAYS
124.8 - 132.6 : - ~3% med. to coarse euhedral cubes + fragments of pyrite associated with the graphitic partings.										
132.6 - 138.0 - < 2% fine grained dissem. pyrite cubes + blebs restricted to fractures.										
138.0 - 138.7 - py. (< 1%) as fine grained dissem.										
138.7 - 139.0 - < 1% fine grained pyritic occurring as fine stringers										

 PROJECT: MAIN MINE HOLE No. M90-737

DEPTH (METRES)	% Core Recy	LITHOLOGY	STRUCTURE		GEOLOGICAL DESCRIPTION	ALTERATION D A	G B	Si C	Se D	M E	FRACT INTENSITY	T	K
					139.0-142.4 -greenish-buff m-CBx, pyritic 5Ca. with random. qtz stringers.								
				142.4-142.7	CHERT (5Cf) -grey-black aphanitic, w-CBx, pyritic chert with gradational contacts with the 5Ca.								
				142.7-143.7	VOLCANICS (5Cb) -greenish-buff to dk grey, pyritic. mottled, finely brecciated (flow breccia?). -mottled texture due to very fine buff coloured specks (carb. alteration/ replacement). -w-G alteration. + w-broken core. -F.W. contact: ~45° TCA.								
				143.7-145.1	CHERT (5Cf) -black, massive, aphanitic, pyritic chert. -several coarse grained euhedral calcite stringers (<1cm) @ 15° TCA -Hw contact undefined (broken)								
				145.1-152.4	VOLCANIC (5Ca) -buff-green, m-CBx with abundant graphitic fractures; pyrite restricted to qtz/calcite stringers. -white powdery, soft material (clay) on most fracture surfaces. -qtz/carb. stringers @ 15° TCA - stringers are <1.5 cm wide and stringer walls are white milky calcite and stringer center is greyish clear qtz. -stringers assoc. with i-CBx. -w-D								

PAGE 16 OF 28	PROJECT: MAIN MINE	HOLE No. M90-737

MINERALIZATION DESCRIPTION	TOTAL SULPHIDE	INTERVAL	WIDTH	ASSAY NUMBER	%	%	%			COMPOSITE ASSAYS
139.0-142.4 - <1% very fine dissem. pyrite.										
142.4-142.7 - <1% very fine dissem. pyrite										
142.7-143.7 - <1% pyrite, very fine dissem. -most py. assoc. c̄ fine qtz stringers.										
143.7-145.1 - <1% very fine dissem. pyrite mostly concentrated with (and on) the walls of the calcite stringers										
145.1-152.4 - <2% fine dissem. pyrite concentrated on walls of stringers.										

PROJECT: MAIN MINE

HOLE No. M90-737

DEPTH (METRES)	% Core Recy	LITHOLOGY	STRUCTURE	GEOLOGICAL DESCRIPTION	D A	G B	Si C	Se D	M E	FRACT INTENSITY	T	K

152.4-154.5 5Cb / 5Ca

- buff-grey, very pyritic brecciated 5Cb.
- not CBx because the fragments are supported by calcite / qtz stringers.
- w-D
- the calcite / qtz stringers are vuggy, <2mm wide and randomly oriented.
- the first 0.2m of the interval is m-w. broken, powdery and gougy (w-F) (@ 152.4-152.6 m.)
- the larger calcite / qtz stringers contain 5Cb fragments (<1 cm.)
- towards the end of the interval the texture gradually changes to a w-CBx with frags. supported by graphitic stringers.

154.5-160.7 5Ca

- generally greenish-buff coloured w-CBx, pyritic 5Ca
- contains several small (<4 cm) black-grey, aphanitic 5Cf bands @ ~80° TCA and a 10 cm. wide black, graphitic zone.
- ~5% calcite / calcite-qtz / + qtz stringers
- the calcite stringers are buff / rusty coloured, <2 cm wide and are coarse grained + vuggy.
- qtz also present as irregular blebs (w-Si)
- ranges from w-D to no D.
- also trace lime green sericite and trace powdery light green clay

160.7-161.3

- m-D buff, massive to w-CBx with black graphitic stringers surrounding a 10 cm wide banded, colloform qtz / calcite stringer which contains ~1cm angular fragments of 5Ca.

HW + FW @ ~15° TCA.

 PROJECT: MAIN MINE HOLE No. M90-737

MINERALIZATION DESCRIPTION	TOTAL SULPHIDE	INTERVAL	WIDTH	ASSAY NUMBER	oz/ton Au	oz/ton Ag	%			COMPOSITE ASSAYS
152.4-154.5 - <5% fine to medium grained disseminated to massive pyrite; occurs along the narrow qtz/carb stingers and as disseminated blebs throughout. - one isolated bleb of pyrite is 3cm round and contains small (<3mm) frags of 5C6.		152.4-154.4	2.2	E26802	<0.002	<0.02				
154.5-160.7 - 1-2% fine grained pyrite generally assoc. with stingers										
160.7-161.3 - trace pyrite associated with stinger walls.										

 PROJECT: MAIN MINE HOLE No. M90-737

DEPTH (METRES)	% Core Recy	LITHOLOGY	STRUCTURE	GEOLOGICAL DESCRIPTION	ALTERATION D A	G B	Si C	Se D	M E	FRACT INTENSITY	T	K
			145.1 -	VOLCANICS (cont.)								
				161.3-163.2 - massive med-grey green 5Ca which are w-D for the first 30 cm. - contains 1% fine to coarse grained, angular black pyroxenes (fresh). - qtz flooding as coarse blebs. - no visible sx's.								
				163.2-166.1 - m-CBx(?) grey-green-buff, very pyritic w-G, w-D 5Ca with thin qtz/carb stringers (<2%). - the volcanic fragments are very angular (<3 cm) and are supported by pyrite/qtz/carb matrix. - may be a healed fault zone.								
				166.1-166.6 - w-broken interval of white vuggy, crystalline qtz stringers (<5 cm) and pyritic 5Ca - one FW contact is : ~90° TCA								
				166.6-179.3 - m-CBx (?) grey-green-buff, very pyritic w-D, w-G 5Ca as @ 163.2-166.1 m. - trace 0.5 cm wide whitish aqua marine stringers of talc (?) - soft								
				179.3-183.8 (5Ca / 5Cb) - massive to w-CBx to foliated volcanics. - 1% carb/qtz stringers - @ 180.25-180.4 is a K alteration powdery zone. (contacts @ 80° TCA) - @ 180.7-181.2 is blackish-grey, aphanitic massive 5Cf band. HW @ 50° TCA (FW irregular). - @ 182.4-182.5 is a K alteration powdery zone (contacts @ 75° TCA).								

 PROJECT: MAIN MINE HOLE No. M90-737

MINERALIZATION DESCRIPTION	TOTAL SULPHIDE	INTERVAL	WIDTH	ASSAY NUMBER	~~%~~ oz/ton Au	~~%~~ oz/ton Ag	%			COMPOSITE ASSAYS
163.2-166.1										
- 3-5% fine grained pyrite occurring as stringers assoc. w. qtz + carb. and as disseminated irregular blebs.		163.6-165.1	1.5	E26806	26	ppb				
166.1-166.6		166.1-166.6	0.5	E26805	<0.002	<.02				
- ~2% fine pyrite assoc. with the volcanic fragments.										
166.6-179.3										
- Same as 163.2-166.1										

 PROJECT: MAIN MINE HOLE No. M90-737

DEPTH (METRES)	% Core Recy	LITHOLOGY	STRUCTURE		GEOLOGICAL DESCRIPTION
					179.3-183.8 (cont.)
					- foliation @ 10° TCA defined by graphitic and green tuffs
				183.8-191.0	CHERT (5Cf)
					- medium to dk grey w-CBx, pyritic chert with ~5% white, vuggy, narrow (<1cm) qtz/carb. stringers @ 0°-10° TCA
					- contains a buff M-D lense of 5Ca @ 186.2-186.3 which is @ ~5° TCA.
					- w-broken @ 188.0-189.0 into pieces < 7 cm with limonitic staining on the fractures. (w-F)
					- i-broken @ 189.3-189.4 into pebble sized fragments (m-F).
					- FW contact @ ~50° TCA (irregular)
				191.0-192.8	VOLCANIC (5Ca).
					- buff coloured m-i-CBx with abundant graphitic stringers and 1% white qtz/carb. stringers @ 35° TCA
					- trace pyrite ; w-D.
					- trace stringers of whitish aquamarine soft mineral (talc)
					- FW @ 50° TCA.
				192.8-193.9	LISTWANITE (7c)
					- black, graphitic, foliated 7c.
					- foliation @ ~40° TCA.
					- qtz stringers occuring as both white layered irregular stringers and aphanitic greyish milky irregular stringers.
					- w-M as disseminated grains.
				193.9-195.4	VOLCANIC (5Ca)
					- buff-green to black, m-G 5Ca with tiny dissemin. buff specks of dolomite.
					HW + FW broken (~90° TCA ?).
					- m-CBx + thin talcy layers.

ALTERATION: D (A)	G (B)	Si (C)	Se (D)	M (E)	FRACT INTENSITY	T	K

PAGE 22 OF 28	PROJECT: MAIN MINE	HOLE No. M90-737

MINERALIZATION DESCRIPTION	TOTAL SULPHIDE	INTERVAL	WIDTH	ASSAY NUMBER	%	%	%			COMPOSITE ASSAYS
191.0 - 192.8 - trace fine dissem. pyrite										

 PROJECT: MAIN MINE HOLE No. [illegible]0-737

DEPTH (METRES)	% Core Recy	LITHOLOGY	STRUCTURE		GEOLOGICAL DESCRIPTION	D A	G B	Si C	Se D	M E	FRACT INTENSITY	T	K
				195.4-195.9	LISTWANITE (7a)								
					- dark green to black foliated, w-G. with tiny (< 5 mm) stringers of fine asbestos material and chlorite.								
					- foliation: ~55° TCA.								
					- light forest green talc lenses (< 1 cm wide)								
					- ~ 40-50% serp.								
				195.9-196.0	DYKE (10a)								
					- greyish green, medium grained pyritic massive 10a.								
					- contains trace fine asbestos and chlorite stringers @ 25° TCA.								
					- HW: 90° TCA								
					FW: 50° TCA.								
				196.0-198.9	LISTWANITE (7a)								
					- same as 195.4-195.9								
					- ~40-50% serpentine.								
				198.9-199.8	VOLCANICS (5Ca)								
					- massive, w-D, M-T light greyish-green 5Ca								
					- HW + FW are irregular but very distinctive due to graphitic hairline fractures horsetailing out of the list. into the 5Ca.								
					- these fractures are roughly // TCA.								
					- random < 1 cm quartz blebs (w-Si)								
				199.8-201.4	LISTWANITE (7a/7b)								
					- the first 0.7 m. of this interval is med. green, aphanitic talcy silicate and unfoliated (7b).								
					- the next 0.9 m. is foliated, dk green to light green serpentinite (7a).								
					- foliation @ 30-50° TCA								
					- trace fine grains of black angular (cubic) semimetallic mineral								
					- magnetitic ?								
					- chromite / magnetite								

PAGE 24 OF 28	PROJECT: MAIN MINE	HOLE No. M90-737

MINERALIZATION DESCRIPTION	TOTAL SULPHIDE	INTERVAL	WIDTH	ASSAY NUMBER	%	%	%			COMPOSITE ASSAYS
195.9-196.0										
- med. grained (1%) dissem. pyrite throughout.										

 PROJECT: MAIN MINE HOLE No. M90-737

DEPTH (METRES)	% Core Recy	LITHOLOGY	STRUCTURE	GEOLOGICAL DESCRIPTION		ALTERATION D A	G B	Si C	Se D	M E	FRACT INTENSITY	T	K
				201.4-201.7	LISTWANITE (7c) - small interval of m-M, m-Si, foliated grey to green 7c. - gradational contact from 76. - foliation @ 40° TCA. - FW contact @ 40° TCA. - some trace fine grains of black, angular (cubic?) semimetallic mineral - magnetic? - chromite / magnetite								
				201.7-204.4	VOLCANIC (5Ca) - m-i CBx greenish-buff to black 5Ca - m-G and trace irregular blebs of med. green sericite. - 1% qtz stringers								
				204.4-205.0	CHERT (5Cf) - dk grey to black aphanitic chert. - first 10 cm. is i-broken in angular pieces (m-F). - 2% white qtz stringers.								
				205.0-222.5	VOLCANIC (5Ca or 5Ce?) - green-buff to grey, siliceous (hard), m-CBx with abundant graphitic partings - thin layers (< 1.5 cm) of greenish, wispy tuffaceous material (10%) - trace pyrite - trace graphitic, stylolite fractures @ 30° TCA								
				222.5-233.9	VOLCANICS (5Ca) - generally massive, medium green, 5Ca 222.7-222.9 - white qtz stringer with bands of 5Ca and 5% pyrite stringers. - @ 40° TCA.								

PAGE 26 OF 28	PROJECT: MAIN MINE										HOLE No. M90-737
MINERALIZATION DESCRIPTION	TOTAL SULPHIDE	INTERVAL	WIDTH	ASSAY NUMBER	% Au	%	%				COMPOSITE ASSAYS
201.4-201.7 - fine disseminate trace chromite or magnetite.											
205.0-222.5 - trace, fine to medium grained dissem. pyrite throughout and concentrated along fractures											
222.7-222.9 - ~5% pyrite along stringers.		222.7-222.9	0.2	E26804	69	ppb					

PROJECT: MAIN MINE

HOLE No. M90-737

DEPTH (METRES)	% Core Recy	LITHOLOGY	STRUCTURE		GEOLOGICAL DESCRIPTION	ALTERATION D A	G B	Si C	Se D	M E	FRACT INTENSITY	T	K
					224.5-224.8 - w-broken core containing white, stylolitic qstringer and i-G pyritic 5Ca								
					227.5-228.0 - medium grained, dk green, massive with tiny, buff carbonate specks throughout. -HW: 50° TCA (sharp contacts) -FW: 65° TCA								
					-trace pyrite								
					230.4-230.5 -i-k, powdery interval								
				233.9-236.2	CHERT (5Cf) - med. grey, aphanitic m-CBx 5Cf with 2% wispy buff-green tuffaceous material. -HW: 30° TCA -FW: 70° TCA - 1% pyrite - thin (<0.5 cm) buff carbonate stringers and vuggy carbonate (2%) @ 0° TCA								
				236.2-244.1	VOLCANICS (5Ca) -w-CBx, buff-green, pyritic 5Ca 242.1-242.6 - very pyritic, buff, w-D, w-CBx interval								
					E.O.H. (244.1 m.)								

 PROJECT: MAIN MINE HOLE No. M90-737

MINERALIZATION DESCRIPTION	TOTAL SULPHIDE	INTERVAL	WIDTH	ASSAY NUMBER	%	%	%			COMPOSITE ASSAYS
224.5-224.8 - ~2% med. gr. dissem. pyrite in the i-G sca										
227.5-228.0 - trace fine pyrite dissem.										
233.9-236.2 - 1% pyrite fine dissem. pyrite										
236.2-244.1 - trace fine dissem. py 242.1-242.6 - <5% massive blebs of pyrite										
E.O.H. (244.1m.)										

PAGE	OF	PROJECT:	HOLE No. M90-737

DEPTH (METRES)	% Core Recy	LITHOLOGY	STRUCTURE	GEOLOGICAL DESCRIPTION	ALTERATION A	ALTERATION B	ALTERATION C	ALTERATION D	ALTERATION E	FRACT INTENSITY		

atlas

ERICKSON GOLD MINING CORP.

DRILL LOG

PROJECT
ERICKSON

GROUND ELEV.
1480.263 m

HOLE No.
M90-738

BEARING
11.5400 deg

LOCATION
6564331.590 m NORTH
462239.420 m EAST
MAURA BASELINE

DIP
-58.26 deg

TOTAL LENGTH
267.000 m

LOGGED BY
M. ANDRELOS

HORIZONTAL PROJECT
139.547 m

DATE

VERTICAL PROJECT
-227.582 m

CONTRACTOR
D.J.

CORE SIZE
N.Q.

DATE STARTED

DATE COMPLETED

COMMENTS
McDAME VEIN EAST
INTERSECTED @ 245.4-246.1

ALTERATION SCALE

- absent
- slight
- moderate
- intense

TOTAL SULPHIDES SCALE

- traces only
- < 1%
- 1% to 3%
- 3% to 10%
- > 10%

LENGTH	AZIMUTH	DIP	HORZ	ELEV	DIST FROM BL	SECTION	SEC OFFSET	DESCRIPTION
0.00	11.54	-58.26	0.00	1480.26	146.98 S	487.0 W	9.84 W	COLLAR
28.20	11.54	-58.26	14.84	1456.28	135.88 S	487.0 W	0.00 W	CL-SECTION
36.58	11.54	-58.00	19.24	1449.16	132.58 S	487.0 W	2.92 E	DIP CHANGE
56.72	11.54	-58.00	29.92	1432.07	124.59 S	486.0 W	10.00 E	X-SECTION
56.90	11.54	-58.00	30.01	1431.92	124.52 S	486.0 W	9.94 W	HW->10A
58.60	11.54	-58.00	30.91	1430.48	123.85 S	486.0 W	9.34 W	FW->10A
59.50	11.54	-58.00	31.39	1429.72	123.49 S	486.0 W	9.02 W	HW->10A
68.20	11.54	-58.00	36.00	1422.34	120.04 S	486.0 W	5.97 W	FW->10A
85.18	11.54	-58.00	45.00	1407.94	113.30 S	486.0 W	0.00 W	CL-SECTION
106.07	11.54	-58.00	56.07	1390.22	105.02 S	486.0 W	7.34 E	DIP CHANGE
113.63	11.54	-58.00	60.08	1383.81	102.02 S	485.0 W	10.00 E	X-SECTION
142.09	11.54	-58.00	75.16	1359.68	90.73 S	485.0 W	0.00 W	CL-SECTION
170.20	11.54	-58.00	90.05	1335.84	79.58 S	485.0 W	9.88 E	HW->LIST
170.55	11.54	-58.00	90.23	1335.54	79.44 S	484.0 W	10.00 E	X-SECTION
177.90	11.54	-58.50	94.13	1329.31	76.53 S	484.0 W	7.42 W	DIP CHANGE
180.70	11.54	-58.50	95.59	1326.92	75.43 S	484.0 W	6.45 W	FW->LIST
184.70	11.54	-58.50	97.68	1323.51	73.87 S	484.0 W	5.06 W	HW->LIST
192.20	11.54	-58.50	101.60	1317.12	70.93 S	484.0 W	2.46 W	FW->LIST
196.30	11.54	-58.50	103.75	1313.62	69.33 S	484.0 W	1.04 W	HW->10D
197.60	11.54	-58.50	104.42	1312.51	68.82 S	484.0 W	0.59 W	FW->10D
197.60	11.54	-58.50	104.42	1312.51	68.82 S	484.0 W	0.59 W	HW->QV
198.00	11.54	-58.50	104.63	1312.17	68.67 S	484.0 W	0.45 W	FW->QV
199.30	11.54	-58.50	105.31	1311.06	68.16 S	484.0 W	0.00 W	CL-SECTION
228.17	11.54	-58.50	120.39	1286.45	56.97 S	483.0 W	10.00 E	X-SECTION

CONTINUED.......

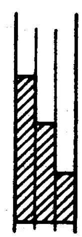
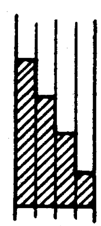
DDH M90-738 CONTINUED

LENGTH	AZIMUTH	DIP	HORZ	ELEV	DIST FROM BL	SECTION	SEC OFFSET	DESCRIPTION
241.90	24.00	-61.50	127.57	1274.74	51.50 S	483.0 W	5.24 W	DIP CHANGE
245.40	24.00	-61.50	129.24	1271.66	50.52 S	483.0 W	3.89 W	HW->MCDAME
246.10	24.00	-61.50	129.57	1271.05	50.32 S	483.0 W	3.62 W	FW->MCDAME
255.48	24.00	-61.50	134.05	1262.81	47.69 S	483.0 W	0.00 W	CL-SECTION
267.00	0.00	0.00	139.55	1252.68	44.46 S	483.0 W	4.45 E	END OF HOLE

ERICKSON GOLD MINING CORP.

MINERALS SECTION

DRILL LOG

PROJECT ERICKSON	GROUND ELEV. 1,480.263
HOLE No. M90-738	BEARING 011.53°
LOCATION N: 64,331.590 E: 62,239.920	DIP -58.27° TOTAL LENGTH 267.0 m
LOGGED BY M. ANDREWS	HORIZONTAL PROJECT 139.547 m
DATE JULY 5 1990	VERTICAL PROJECT -227.582 m
CONTRACTOR D. J. DRILLING	ALTERATION SCALE  absent slight moderate intense
CORE SIZE NQ DATE STARTED June 28, 1990 DATE COMPLETED July 4, 1990 DIP TESTS DEPTH AZIM. INCLIN. 267 m. 024° -61.5°	TOTAL SULPHIDE SCALE  traces only < 1% 1% — 3% 3% — 10% > 10%
COMMENTS MCDAME VEIN EAST. EXTENSION MCDAME @ 245.4 - 246.1	LEGEND

PROJECT: ERICKSON MAIN MINE

HOLE No. M90-738

DEPTH (METRES)	% Core Recy	LITHOLOGY	STRUCTURE	GEOLOGICAL DESCRIPTION		ALTERATION D A	G B	Si C	Se D	M E	FRACT INTENSITY	T	K
				0-9.8	CASING								
				9.8-57.1	ARGILLITE (5Dd)								
					9.8-12.9 - w-broken, laminated dk grey - black 5Dd - lamination @ 70° TCA. - very trace pyrite								
					12.9-38.1 - interval of m- to i-broken core - laminated dk grey - black 5Dd. - i-broken areas reduced to frags < 1 cm and powder. - some limonitic staining - w- to m-broken sometimes broken along the planes of lamination. - wide fault zone?								
					38.1-57.1 - dk grey - black laminated w-broken 5Dd. - trace pyrite - lamination: 50-60° TCA - < 1% fine white QSTR at random orientations. - last 2.0 m the core is i-broken and rubbly (w.m. F?)								
				57.1-58.5	DYKE (10a) - dk green - black fine grained, massive equigranular texture. - dioritic composition (plagioclase, quartz, biotite). - HW + FW contacts are m-broken and therefore indistinguishable.								
				58.5-59.5	ARGILLITE (5Dd) - dk grey to black laminated pyritic 5Dd - last 20 cm of interval is light greenish-grey and very siliceous (chill margin next to large 10a.) - lamination: 55° TCA.								

PAGE 2 OF 19 | PROJECT: ERICKSON MAIN MINE | HOLE No. M90-738

MINERALIZATION DESCRIPTION	TOTAL SULPHIDE	INTERVAL	WIDTH	ASSAY NUMBER	%	%	%			COMPOSITE ASSAYS
9.8-12.9 - very trace, fine dissem. pyrite										
38.1-57.1 - trace fine dissem. pyrite with rare large (<1cm) cubes of pyrite										
58.5-59.5 - 2% pyrite as coarse dissem cubes along planes of laminations										

PAGE 3 OF 19 | PROJECT: ERICKSON MAIN MINE | HOLE No. M90-738

DEPTH (METRES)	GEOLOGICAL DESCRIPTION
59.5-68.2	DYKE (10a) - Cow DYKE?
	- dk green to black, fine to medium grained equigranular dioritic 10a dyke.
	- pyritic
	- some of the plagioclase (~5%) has been altered to milky white clay.
	- 1% fine, chlorite/clay (bluish)/qtz stringers @ 35° TCA.
	- becomes fine grained to aphanitic on the walls.
	HW: 75° TCA (irregular).
	FW: broken.
68.2-103.6	ARGILLITE (5Dd)
	- laminated dark mudstone + dk grey siltstone
(78.1-78.5)	- laminations: ~75°
	- moderately broken
(87.8-88.6)	- intensely broken (rounded frags <3cm) white, graphitic QSTRS @
	78.1-78.5
	87.8-88.6
	- no vis. sx's but vuggy with fine buff coloured carb. stringers.
	- W-F zones.
	- trace pyrite
103.6-133.1	ARGILLITE (5Dd)
	- black to dk grey, clastic 5Dd
	- clasts are subangular, <3cm and are supported by black graphitic matrix.
	- lamination is still retained (@ 35° TCA)
	- 2-3% pyrite

ALTERATION D (A)	G (B)	Si (C)	Se (D)	M (E)	FRACT INTENSITY	T	K

 PROJECT: ERICKSON MAIN MINE HOLE No. M90-738

MINERALIZATION DESCRIPTION	TOTAL SULPHIDE	INTERVAL	WIDTH	ASSAY NUMBER	%	%	%			COMPOSITE ASSAYS
59.5-68.2: - 1% medium to coarse grained disseminated euhedral cubes of pyrite.										
68.2-103.6 - trace coarse irregular-shaped disseminated pyrite.										
103.6-133.1 - 2-3% coarse subhedral disseminated pyrite; some grains are stretched in the plane of lamination.										

 PROJECT: ERICKSON MAIN MINE HOLE No. M90-738

DEPTH (METRES)	% Core Recy	LITHOLOGY	STRUCTURE	GEOLOGICAL DESCRIPTION	
				133.1-134.1	ARGILLITE
					- black to dk grey brecciated, pyritic 5Dd.
					- brecciated fragments are subangular <1cm and supported by a grey siliceous/pyritic matrix.
					- rehealed i-F zone.
					- also 1% white clay grains dissem. throught.
					- HW: 90° TCA } both irregular
					FW: 50° TCA } contacts.
				134.1-139.9	ARGILLITE
					- laminated dk grey-black, pyritic 5Dd.
					- laminations: 50° TCA.
				139.9-155.1	VOLCANIC (5Ca)
					- moderate greyish-green, massive to m-CBx, very pyritic Volcanics.
					- w-K alteration as white dissem. grains and as fine random white stringers
					- increases in CBx intensity towards FW of interval; m-G, w-Si
					139.9-141.2
					- greyish, pyritic massive to w-CBX silicified volcanics (i-Si)
					- contains 1% med. grained black anhedral grains (not magnetic)
					146.0-147.0
					- greyish-green m-G, w-Si, w-K w-D, pyritic, w-CBx volcanics with QSTR and si blebs and white K stringers + grains.

ALTERATION: D (A), G (B), Si (C), Se (D), M (E); FRACT INTENSITY; T; K

PAGE 6 OF 19	PROJECT: ERICKSON MAIN MINE									HOLE No. M90-738
MINERALIZATION DESCRIPTION	**TOTAL SULPHIDE**	**INTERVAL**	**WIDTH**	**ASSAY NUMBER**	~~%~~ oz/ton Au	% oz/ton Ag	%			**COMPOSITE ASSAYS**
133.1-134.1 - fine grained (~5%) as fine disseminations and as fault matrix assoc. w. quartz.										
134.1-139.9 - med. to coarse grained dissem. pyrite concentrated along planes of laminations.										
139.9-141.2 - 3% pyrite occurs as coarse, dissem. subhedral cubes and as fine grained stretched masses along biffaceous layering.										
146.0-147.0 - 10% fine grained massive blebs of pyrite throughout interval.		146.0-147.0	1.0	E26807	<0.002	<0.02				

PROJECT: ERICKSON MAIN MINE

HOLE No. M9a-738

DEPTH (METRES)	% Core Recy	LITHOLOGY	STRUCTURE		GEOLOGICAL DESCRIPTION
					147.0 - 147.4
					- massive greenish-bronze fine grained pyrite which contains fine grey QSTR and trace subangular clasts (<1.5 cm) of grey silicified volcanics.
					- ~75% pyrite.
					147.4 - 155.1
					- increasingly CBx and decreasing in pyrite %.
					- greyish-green, m-G, w-M Si, w-D, w-K ; slightly foliation (defined by tiffaceous layering - <1cm)
					- foliation @ : ~90° TCA.
				155.1 - 169.6	ARGILLITE (5Dd)
					- generally, finely laminated, black to dk grey, pyritic, graphitic 5Dd.
					- 2% fine white vuggy QSTRS in which fine to med. grained cubes of pyrite are found.
					157.8 - 159.0
					- rehealed m-F composed of 5Dd, siliceous 5Ca, + QV(?) clasts (<1.5 cm and subangular) within a fine grained pyrite - graphite - silica matrix.
					- ~25% matrix + 75% clasts.
					- HW : 60° TCA (sharp)
					- FW : ~90° TCA (broken).
					161.0 - 161.7
					- similar rehealed m-F as last interval
					- pyrite is more abundant and the clasts are larger (<2 cm)
					- trace bright green mineral in the middle of the interval (mariposite)
					- HW . broken
					FW : 55° TCA (sharp)

ALTERATION: D (A)	G (B)	Si (C)	Se (D)	M (E)	FRACT INTENSITY	T	K

PAGE 8 OF 19 | PROJECT: ERICKSON MAIN MINE | HOLE No. M90-738

MINERALIZATION DESCRIPTION	TOTAL SULPHIDE	INTERVAL	WIDTH	ASSAY NUMBER	~~%~~ oz/ton Au	% Ag	%			COMPOSITE ASSAYS
147.0 - 147.4 - ~75% massive f.g. pyrite		147.0 - 147.4	0.4	E26808	<0.002	<0.02				
147.4 - 155.1 - 2% fine to coarse bleby dissem. pyrite										
157.8 - 159.0 - 10% f.g. pyrite which occurs in graphite + silica as a matrix in M-F										
161.0 - 161.7 - f.g. to coarse blebs of pyrite (~15%).										

 PROJECT: ERICKSON MAIN MINE HOLE No. M90-738

DEPTH (METRES)	% Core Recy	LITHOLOGY	STRUCTURE		GEOLOGICAL DESCRIPTION	ALTERATION D A	G B	Si C	Se D	M E	FRACT INTENSITY	T	K
				155.1-169.6	162.5-162.55 - small i-F zone of f.g. clasts (~5 mm) of 5Dd. siliceous 5Ca with same py-graphite-silica matrix. - HW+FW: 60° TCA (sharp).								
					163.0-163.3 - same m-i-F zone as above. - HW: 40° TCA. - FW: 60° TCA								
					164.3-164.5 - m-F zone as above - HW: 70° TCA - FW: 60° TCA								
				169.6-172.2	LISTWANITE (7c) - intensely foliated blackish-grey. m-G, w-M, m-D, m-Si 7c. - foliation at 30-40° TCA. - first 0.6m of this interval is limonitically stained and w-broken. - 2% QSTR (<1.5cm wide) // to the foliation. - <1% pyrite.								
				172.2-177.4	LISTWANITE (7b) - weakly foliated, soft, greenish-grey talc-carbonate 7b. (weakly magnetic) - foliation: 50° TCA. - trace pyrite + trace forest green, soft mineral (sericite, talc?)								
				177.4-180.2	LISTWANITE (7a). - dark green, weakly foliated, soft 7a. - 40% serpentine and m-T with tiny stringers of f.g. asbestos and chlorite. - HW: 90° TCA (sharp) - foliation: 50° TCA. - gets lighter green towards end of interval.								

 PROJECT: ERICKSON MAIN MINE HOLE No. M90-738

MINERALIZATION DESCRIPTION	TOTAL SULPHIDE	INTERVAL	WIDTH	ASSAY NUMBER	%	%	%			COMPOSITE ASSAYS
162.5-162.55 - same as above										
163.0-163.3 - same as above										
164.3-164.5 - same as above										
169.6-172.2 - <1% m.g. dissem. blebs of pyrite along planes of foliation.										
172.2-177.4 - f.g to m.g. pyrite occurring along tiny fractures (trace)										

PROJECT: ERICKSON MAIN MINE

HOLE No. M90-738

DEPTH (METRES)	% Core Recy	LITHOLOGY	STRUCTURE	GEOLOGICAL DESCRIPTION		ALTERATION D A	G B	Si C	Se D	M E	FRACT INTENSITY	T	K
				180.2-184.5	CHERT (5Cf) -greyish, massive, aphanitic 5Cf with thin (~3mm) green tuffaceous layers. -several white-buff qtz-carb stringers (2-3 cm wide) @ 30° TCA.								
				184.5-188.5	LISTWANITE (VOLCANIC?) -greenish-grey to limonitic (dolomite) foliated quartz-carbonate-mariposite(?) listwanite -foliation: 60-70° TCA (variable). -mariposite maybe altered to a lighter green mineral (clay?) -m-G at start of interval -contains trace black, platy specks (biotite?) -this whole interval may also be a volcanic (very altered + messed up) -trace pyrite. -FW: 90° TCA.								
				188.5-196.2	LISTWANITE (7b) -light greenish-grey weakly foliated talcy-carbonate 7b -very soft soapy feel -contains trace black, angular f.g. specks. *doesn't appear to be metallic; non-magnetic. -foliation: 35° TCA -FW: 50° TCA. -trace pyrite -7b up to 191.6 -last part of interval is a combination of bright green 7c and i-D, w-Si, m-M alteration in 5Ca -5Ca also contains c.g. light lime green euhedral crystals (maybe clay altered plag?). -FW contact: 20° TCA								

PROJECT: ERICKSON MAIN MINE

HOLE No. M90-738

MINERALIZATION DESCRIPTION	TOTAL SULPHIDE	INTERVAL	WIDTH	ASSAY NUMBER	%	%	%			COMPOSITE ASSAYS
184.5-188.5 -trace f.g. dissem. pyrite										
188.5-196.2 m. - trace to <2% fine to med. grained dissem. pyrite										

PROJECT: ERICKSON MAIN MINE

HOLE No. M90-738

DEPTH (METRES)	% Core Recy	LITHOLOGY	STRUCTURE	GEOLOGICAL DESCRIPTION		ALTERATION D A	G B	Si C	Se D	M E	FRACT INTENSITY	T	K
				196.2-197.6	DYKE (10d)								
					- dark grey, fine grained porphyritic biotite lamprophyre dyke								
					- HW contact : 20° TCA FW irregular.								
					- biotite occurs as c.g. (<1 cm) euhedral grains (~5%)								
					- porphyritic texture due to euhedral, c.g. (<6mm) slightly clay altered dark white plagioclase and med. grained greyish-white irregular quartz grains.								
					196.5-196.52								
				w-F	- 2cm wide unhealed fault (w-F)								
					- angular frags (<1.5 cm) of 5Ca, Qstr. + 10d supported by a 80-20 quartz-pyrite matrix.								
					HW } 30° TCA FW								
				197.6-197.9	QV.								
					- massive white + grey quartz containing thin (<2mm) limonitic carb. stringers								
					- also contains 10% frags. of 5Ca.								
					- pyrite assoc. with 5Ca frags.								
				197.9-198.9	5Cf.								
					- greyish, aphanitic, slightly foliated 5Cf.								
					- ~1% pyrite								
					- 10% white qcst. (<1cm) @ 70° TCA.								
					- FW : 55° TCA.								
					- foliation @ 55° - defined graphitic partings.								

 PROJECT: ERICKSON MAIN MINE HOLE No. M90-738

MINERALIZATION DESCRIPTION	TOTAL SULPHIDE	INTERVAL	WIDTH	ASSAY NUMBER	oz/t Au	oz/t Ag	%			COMPOSITE ASSAYS
197.6-197.9 -trace c.g. dissem. pyrite assoc. with 5Ca		197.6-197.9	0.3	E26809	<0.002	<0.02				
197.9-198.9 -2% m.g. cubes of pyrite -dissem.										

PAGE 15 , OF 19 PROJECT: ERICKSON MAIN MINE HOLE No. M90-738

DEPTH (METRES)	% Core Recy	LITHOLOGY	STRUCTURE	GEOLOGICAL DESCRIPTION		ALTERATION D A	G B	Si C	Se D	M E	FRACT INTENSITY	T	K
				198.9-200.6	5Ca								
					- buff to light green i-D, w-Si, m-Se pyritic (2%) 5Ca.								
					- contains 3% qstrs (<4mm) and fine specks of bright green sericite.								
				200.6-212.9	5Ca								
					- med. to dark green massive 5Ca								
					- no. vis. sxs.								
					- <0.5% white qstrs @ : 40° TCA.								
			w-F		202.6-203.8								
					- i-broken, w-K altered 5Ca								
					- @203.4 is a w-F plane = 30° TCA.								
					- slickensides @ 30° on fault plane.								
			w-F		207.0-207.1								
					- w-F with white qstr.								
					- w-broken								
					- fault plane @ 55° TCA								
					- slickens @ 25° on F.P.								
				212.9-216.2	5Ca								
					212.8-215.0								
					- buff-grey, i-D, m-Si, m-K pyritic 5Ca								
					- gradational with unaltered 5Ca								
					- Si occurs as <4mm wide grey qstrs and blebs.								
					- K occurs as milky light greenish also located along thin stringers.								
					- grades into i-D, non pyritic 5Ca								
					214.9-216.2								
					- buff m-D, w-K, non pyritic 5Ca								
				216.2-223.0	5Ca.								
					- med. green, f.g. massive 5Ca with ~1% grey quartz flooding and <1% red hematite blebs.								

PAGE 16 OF 19	PROJECT: ERICKSON MAIN MINE	HOLE No. M90-738

MINERALIZATION DESCRIPTION	TOTAL SULPHIDE	INTERVAL	WIDTH	ASSAY NUMBER	~~%~~ oz/ton Au	~~%~~ oz/ton Ag	%			COMPOSITE ASSAYS
198.9 - 200.6 - 2% fine to med grained pyrite (cubes); dissem. throughout and concentrated within qstrs.										
212.9 - 215.0 - up to 7% massive to fine grained dissem. and stringered pyrite			2.1	E26812	<0.002	<0.02				

 PROJECT: ERICKSON MAIN MINE HOLE No. M90-738

DEPTH (METRES)	% Core Recy	LITHOLOGY	STRUCTURE	GEOLOGICAL DESCRIPTION		D A	G B	Si C	Se D	M E	FRACT INTENSITY	T	K
				223 - 231.1	5Ca - m-buff coloured, m-D, m-G, m-Si, w-CBx 5Ca - 1% QCST (< 3 cm) @ 30° TCA which contain 3% massive pyrite stringers.								
				231.1 - 234.8	5Ce - mainly greyish-white m-CBx 5Ce with 25% light buff tuffaceous layers @ 40°-90° TCA. - both the HW + FW of the 5Ce unit are i-broken and the fragments are well rounded and are comprised of stylolitic QV. 5Ca + 5Ce !								
				234.8 - 241.5	5Ca - m. buff, massive w-D, w-G. pyritic (2%) 5Ca								
				241.5 -	MCDAME VEIN STRUCTURE 241.5 - 243.6 - HW of M.V. is i-D, i-Si, m-G 5Ca with 2% fine QCST and QCVN breccia fragments. - 5% pyrite 243.6 -								
					261.5 - 262.2 10d @ 50° TCA.								

CONTINUED ON NEXT PAGE

PAGE 18 OF 19	PROJECT: ERICKSON MAIN MINE									HOLE No. M90-738

MINERALIZATION DESCRIPTION	TOTAL SULPHIDE	INTERVAL	WIDTH	ASSAY NUMBER	~~%~~ oz/ton Au	~~%~~ oz/ton Ag	%			COMPOSITE ASSAYS
234.8-241.5 SCa										
- f.g. dissem. 2% pyrite										
		240.9-242.2	1.3	E26814	<0.002	<0.02				
		242.2-244.0	1.8	E26815	0.003	<0.02				
		244.0-245.4	1.4	E26816	<0.002	<0.02				
245.5-246.1 McDAME		245.5-246.1	0.6	E26803	47	ppb				
- QCOT vein										

PAGE 19 OF 19

PROJECT: ERICKSON MAIN MINE

HOLE No. M90-738

DEPTH (METRES)	% Core Recy	LITHOLOGY	STRUCTURE	GEOLOGICAL DESCRIPTION	ALTERATION D A	G B	Si C	Se D	M E	FRACT INTENSITY	T	K

PAGE OF	PROJECT:	HOLE No.

MINERALIZATION DESCRIPTION	TOTAL SULPHIDE	INTERVAL	WIDTH	ASSAY NUMBER	%	%	%			COMPOSITE ASSAYS

PAGE 1 OF	PROJECT: MAIN MINE	HOLE No. MQO-738

DEPTH (METRES)	% Core Recy	LITHOLOGY	STRUCTURE		GEOLOGICAL DESCRIPTION	ALTERATION D A	G B	Si C	se D	M E	FRACT INTENSITY	T	K
243													
		5Ca		243.6-244.6	Volcanic m-grain, Buff, i-D, hematite & limonite stained, m-G, localized in fract., open space fractures, vugsy, Py in fract.								
244													
		BX		244.6-245.2	BX zone wht angular volc frag. & wht Qz clasts. open space unsealed fractures, Py-G flooding.								
245		QSTR		245.2-245.8	Qz STRINGER m-G localized in stylolites, w-D, some limonite staining stylolites oriented 55° TCA wht Opaque Qz								
246		5Ca		245.8-248	Volcanic Buff, i-D, m-G, pervasive G, Py flooding, hematite & limonite staining on fracture surfaces, strong ∥ing w dominant fract ∠ 50° TCA								
247													

PAGE 2 OF	PROJECT: Main Mine	HOLE No. M90-738

MINERALIZATION DESCRIPTION	TOTAL SULPHIDE	INTERVAL	WIDTH	ASSAY NUMBER	%	%	%			COMPOSITE ASSAYS
243.6 - 244.6 2% of core is f.g. Py localized in fractures		244								
244.6 to 245.2 3% of core is fg to mg. Py forming network texture. Py is found as open space filling		245								
No visible sulfides bet 245.2 to 245.8										
245.8 - 248 f.g. Py is localized in fractures which have been resealed. Py is in short irreg stringer comprising 2% of core		246								
		247								

PAGE 3 OF	PROJECT: MAIN MINE	HOLE No. M90-738

DEPTH (METRES)	% Core Recy	LITHOLOGY	STRUCTURE	GEOLOGICAL DESCRIPTION		ALTERATION A (D)	B (G)	C (Si)	D (Se)	E (M)	FRACT INTENSITY	T	K
		5Ca											
248		QVg		248-248.7	Qz Vein WHT opaque stylolitic Qz w-G localized in stylolites oriented 50° TCA, open unsealed fractures w DRUZY Qz.								
			Δ Δ	248.7-249.3	Bx Zone BKN angular pieces of rock limonite staining, angular volcanics in a Qz matrix								
249		Bx	Δ Δ	249.3-249.7	Volcanic med grain, Buff i-D, m G bkn core with angular & rounded small fragments limonite & hematite staining								
			Δ Δ	249.7-261.4	Volcanic 249.7-261. Pale GREY to Buff, fine grain, i-D, limonite stained on fracture surfaces, G localized in fracts. Tiny Qz veinlets 60° TCA, w-Si, Blebs of Py, fg-cg Py Dissem thru core as well as f.g Py localized in fractures forming stringers. BKN core bet 257.1-257.5 & 251.8 to 252.3. Unsealed fractures								
250		5Ca	Δ Δ										
260													

PAGE 4 OF	PROJECT: Main Mine	HOLE No. M90-738

MINERALIZATION DESCRIPTION	TOTAL SULPHIDE	INTERVAL	WIDTH	ASSAY NUMBER	%	%	%			COMPOSITE ASSAYS
		248								
		249								
249.7-261.4 Py is f.g to m.g localized in fract. as open space fillings - with tiny 1mm cubic xtals, v.f.g Py is finely dissem thru core, bet 255 to 261.4 m rounded to subhedral med to coarse grain dissem thru core. 2% of core is Py		250								
		260								

PAGE 5 OF

PROJECT: MAIN MINE

HOLE No. M90-738

DEPTH (METRES)	% Core Recy	LITHOLOGY	STRUCTURE		GEOLOGICAL DESCRIPTION	ALTERATION D (A)	G (B)	Si (C)	Se (D)	M (E)	FRACT INTENSITY	T	K
					OPEN SPACES w Druzy wht OPAQUE Qz & MED grain wht OPAQUE Qz filling open spaces also Py in OPEN spaces								
261					261-261.4 Volcanic Pale Green, m-D, m-c.b, fg to mg Py Dissem thru core. Hematite & limonite STAINING Volc is med grain, Core is bkn bet 261.2-261.3, bet 261.3-261.4 1-G alt, bx with Qz STringer.								
			ΔΔ ΔΔ ΔΔ	261.4-262.2	Dike								
261.5		10a			Pale Green, m-grain, m-D, fairly massive, Rhyolite, carbonate in hairline fractures limonite STAINED, fine 2-4 mm rounded grains of Qz. w-Si								
262				262.2-262.9	Volcanic								
		5Ca			Pale Green, fine grain local m-C.B. fairly massive w irreg Qz STRS. w-Si								
				262.9-263	Qz STR / BX ≈50% Qz Stringers 45° TCA wht w open SPACES - UNSealed fractures - vuggy, Chert fragMENTS - Bx, Py dissem thru chert								
263			ΔΔ										

PAGE 6 OF	PROJECT: Main Mine									HOLE No. M90-738
MINERALIZATION DESCRIPTION	TOTAL SULPHIDE	INTERVAL	WIDTH	ASSAY NUMBER	%	%	%			COMPOSITE ASSAYS
		261								
		261.5								
		262								
262.9-263 m.g. cubes of Py & also v.f.g. Py Dissem thru core. <1% of core consists of Py		263								

PAGE 7 OF	PROJECT: MAIN MINE	HOLE No. M90-738

DEPTH (METRES)	% Core Recy	LITHOLOGY	STRUCTURE		GEOLOGICAL DESCRIPTION	ALTERATION D A	G B	Si C	Se D	M E	FRACT INTENSITY	T	K
					open space filling								
				263-267	Tuffaceous Chert								
					Bands of pale grey tuff &								
					blk chert. bands oriented								
					65° TCA. MOD JT fracture								
					50° & 30° TCA m-c.g. cubes								
		5e			of Py. foln -weak - 65° TCA								
					Some LIMONITIC STAINING								
					on fracture surfaces, w-Si								
265					w-D, Qz-carb STRS up to								
					2mm thru core								
					EOH								
270													

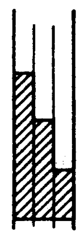
ERICKSON GOLD MINING CORP.

MINERALS SECTION

DRILL LOG

PROJECT MAIN MINE	GROUND ELEV. 1,511.472 m
HOLE No. M 90 - 739	BEARING 164°45'
LOCATION 64245.775 N 62243.608 E	DIP -46°26'
	TOTAL LENGTH 168.2m (552 ft.)
LOGGED BY L. Mortimer	HORIZONTAL PROJECT
DATE August 11/90	VERTICAL PROJECT
CONTRACTOR D.J. DRILLING	ALTERATION SCALE
CORE SIZE NQ	
DATE STARTED July 5/90	TOTAL SULPHIDE SCALE
DATE COMPLETED July 8/90	

ALTERATION SCALE



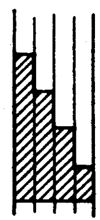
absent

slight

moderate

intense

TOTAL SULPHIDE SCALE



traces only

< 1%

1% — 3%

3% — 10%

> 10%

DIP TESTS

	DIP	AZ
84.1 m (276')	-53°	170°
159.1 m (522')	-52°	174°

COMMENTS

No noted intersection.

FOLLOW-UP OF M80-126 (QSTR .0.2m@0.277 Au)

LEGEND

 PROJECT: MAIN MINE HOLE No. M90-739

DEPTH (METRES)	% Core Recy	LITHOLOGY	STRUCTURE	GEOLOGICAL DESCRIPTION		D A	G B	Si C	Se D	M E	FRACT INTENSITY	T	K
0				0 - 6.1m	OVERBURDEN								
		5Dd		6.1 - 103.5	Argillite 5Dd → Dk. grey to lt. grey finely interbedded mudstones & siltstones w intermittent zones of chaotic slumping & brecciation of silty clasts in a mudstone matrix S_0 generally @ 70-90 to CA → irregular fine grained pyritic blebs. <1%. localized pyrite flooding of mudstone + siltstone esp. near shears + fractures. 30.3-30.4 → Quartz stringer, brecciated w mudstone frag., barren <10cm wide. 31.5m, 5cm Qtz stringer, ∡ 50-60° to CA, barren Numerous qtz/carb. veinlets <1cm throughout 44.8-45.0m moderate fracturing. (rubbly core) 46.0-52.0m, zone of moderate to intense qtz/carb stringers and breccia, relatively more pyrite flooding of fractures + clasts. <1-2% 57.8 - 67.1 irratic + contorted foliation clasts are stretched S_1 close to // C.A. - 70°								
20													
40													
60													
80													

(cont'd)

PAGE 3 OF 9	PROJECT: MAIN MINE	HOLE No. M-90 739

MINERALIZATION DESCRIPTION	TOTAL SULPHIDE	INTERVAL	WIDTH	ASSAY NUMBER	%	%	%			COMPOSITE ASSAYS

PAGE 4 OF 9	PROJECT: MAIN MINE	HOLE No. M-90 739

DEPTH (METRES)	% Core Recy	LITHOLOGY	STRUCTURE		GEOLOGICAL DESCRIPTION	ALTERATION D A	G B	Si C	Se D	M E	FRACT INTENSITY	T	K
80					67.1 - 89.5m 5Dd (cont'd)								
					Alternating zones of finely laminated siltstones + mudstones with zones of mudstone matrix supported siltstone clasts (≈70%) localized pyrite flooding of clasts + fracture fillings.								
					88.1-88.3m + 89.35-89.45m Qtz. stringers w graphite clasts (<4%) minor carbonate.								
90		5Dd			89.5-103.5 m - generally chaotic shearing of siltstone clasts in mudstone matrix localized pyritic flooding of both clasts + matrix. 98.0-98.1, 98.45-98.55 > qtz str. w graph. clots.								
100				103.5-109.2	Volcanics 5Ca								
		5Cb			Lt.-med. grey green w graphitic (mcp) veinlet networking throughout 10-20% grey-white q/c clots + veinlets <2mm locally, feldspar phenocrysts 2-3mm throughout <5-7% intense limonite staining on fractures + shear planes. localized vuggy								
110					wd, wSi (relatively unaltered)								
				109.2-161.65	Chert 5Ce contact @ 75° to C.A								
		5Ce			Lt.-Med grey, moderate Dol Alt. moderate crackle breccia w graphitic stringers throughout, locally intense								
120		(cont'd)											

PAGE 5 OF 9 | PROJECT: MAIN MINE | HOLE No. M90-739

MINERALIZATION DESCRIPTION	TOTAL SULPHIDE	INTERVAL	WIDTH	ASSAY NUMBER	%	%	%			COMPOSITE ASSAYS
localized py Flooding and subhedral Xtls. up to 2mm										

PAGE 6 OF 9 PROJECT: MAIN MINE HOLE No. M90-739

DEPTH (METRES)	% Core Recy	LITHOLOGY	STRUCTURE	GEOLOGICAL DESCRIPTION		ALTERATION D A	G B	Si C	Se D	M E	FRACT INTENSITY	T	K
120		5Ce		109.2-161.64 cont'd.	Chert 5Ce up to 70%. Dolomite veinlets <2mm wide throughout @ various ∡'s to C.A. Few sericite? veinlets < 1cm noted								
					113.0-113.3 slight sericite alt (lt. grn. hue).								
					120.0 - 121.0 Zone of intense fracturing heavy limonite st. on fract ('s) throughout. Few qtz. blebs and minor veinlets <1cm wide								
				?	← 123.8 - 124.4 Cherty Tuff phenocrysts of feldsp. avg. 2-3mm comprise 30% of rock.								
130					124.4 - 128.0 Few qtz veinlets avg. 1cm wide (minor carbonate), limonite on contacts.								
					131.1 - 131.15 intense crackle breccia								
					Dolomite Veinlets up to 1cm wide frequently @ various ∡'s to C.A.								
140		↓											

(cont'd)

PAGE 7 OF 9	PROJECT: MAIN MINE	HOLE No. M90-739

MINERALIZATION DESCRIPTION	TOTAL SULPHIDE	INTERVAL	WIDTH	ASSAY NUMBER	%	%	%			COMPOSITE ASSAYS
pyrite veinlets & blebs up to 0.5 cm scattered throughout. <1%										
120.0 - 121.0 Pyrite, fn.gr. locally massive veinlets up to 1cm wide average 3-4%										
124.4 - 128.4 Moderate to locally intense fn. gr. pyrite - usually on fracture planes, often seen as fn. gr. blebs up to 0.75 cm Total py ≈4% Some euhedral grains avg 2mm wide. 131.1 - 131.15 py fn. gr. diss <1%										
py <1% irreg. scattered throughout as veinlets + subhed. gr. up to 2mm wide										

PAGE 8 OF 9 | PROJECT: MAIN MINE | HOLE No. M90-739

DEPTH (METRES)	% Core Recy	LITHOLOGY	STRUCTURE	GEOLOGICAL DESCRIPTION		ALTERATION D (A)	G (B)	Si (C)	Sc (D)	M (E)	FRACT INTENSITY	T	K
146		5Ce			CHERT 5Ce (cont'd). 145.0-151.5 moderate dolomite alt., graphite/pyrite veinlets comprise 20% of rock								
					151.5-152.7 intense graphite/min. pyritic veinlets up to 40% of rock, Dolomite veinlets and blebs common but rock remains light grey-grn. in color.								
150													
					155.7-158.5 intense crackle breccia, py. - fn.gr euhedral pseudomorphs up to 5% esp. on fract. planes.								
				158.5-158.7	VOLCANICS light grn. lrg vol. frag. contacts are intensely sheared crackle brecciated chert w intense g alt. in both 5Ce & 5Cb.								
155				158.7-161.6	CHERT 5Ce lt grey, icb								
				161.65-168.2	VOLCANICS 5Ca Contact Zone. Gradational contact, frags of 5Ca-5Ce. Few qtz. veins, vuggy w graph. & sericite & K min. (See descrip below for 5Ca)								
					162.8-162.9 iK alt.								
160		5Cb			163.5 4cm Fault gouge iK, ig, mT, 2cm qv barren								
					163.5-168.2 VOLCANICS (cont'd) lt. grn. mottled text., md. w mg [illegible] [illegible], w m ser., m Si. Numerous chl/[illegible] ± py veinlets throughout @ various ∠'s to C.A.								
		EOH 168.2			16?.6 - 2cm qV [illegible] loc. in [illegible] py. sm. dots of K min. sm. [illegible] of chlorite in [illegible]. limonite								
170													

EXH

PAGE 9 OF 9	PROJECT: MAIN MINE	HOLE No. M90-739

MINERALIZATION DESCRIPTION	TOTAL SULPHIDE	INTERVAL	WIDTH	ASSAY NUMBER	%	%	%			COMPOSITE ASSAYS
147.0 - 151.5										
pyrite/graphite veinlets netw.										
comprise 20% of rock										
pyrite finely diss throughout										
loc. int isp. on frac. pl										
166.6 py fn. gr. 5% in small										
(2cm) qV. (didn't warrant sample)										

PAGE / OF	PROJECT:	HOLE No.

DEPTH (METRES)	% Core Recy	LITHOLOGY	STRUCTURE	GEOLOGICAL DESCRIPTION	ALTERATION A	B	C	D	E	FRACT INTENSITY		

atlas - 251-8444

ERICKSON GOLD MINING CORP.

DRILL LOG

PROJECT ERICKSON

HOLE No. M90-740

LOCATION
6564680.837 m NORTH
462251.106 m EAST
MAURA BASELINE

LOGGED BY S. BLOWER

DATE JULY 14, 90

CONTRACTOR D.J.

CORE SIZE NQ

DATE STARTED

DATE COMPLETED

COMMENTS
BEAR EAST EXTENSION. COLLARED EAST OF M88-722. SMALL AMOUNT OF i-D 5Ca

GROUND ELEV. 1328.069 m

BEARING 152.4800 deg

DIP -44.32 deg

TOTAL LENGTH 92.100 m

HORIZONTAL PROJECT 66.072 m

VERTICAL PROJECT -64.162 m

ALTERATION SCALE

- absent
- slight
- moderate
- intense

TOTAL SULPHIDES SCALE

- traces only
- < 1%
- 1% to 3%
- 3% to 10%
- > 10%

LENGTH	AZIMUTH	DIP	HORZ	ELEV	DIST FROM BL	SECTION	SEC OFFSET	DESCRIPTION
0.00	152.48	-44.32	0.00	1328.07	149.63 N	478.0 W	5.09 W	COLLAR
46.05	152.48	-44.00	32.95	1295.90	116.72 N	478.0 W	6.52 W	DIP CHANGE
92.10	0.00	0.00	66.07	1263.91	83.62 N	478.0 W	7.95 W	END OF HOLE

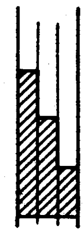
ERICKSON GOLD MINING CORP.

MINERALS SECTION

DRILL LOG

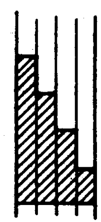
PROJECT Main Mine	**GROUND ELEV.** 1328.069m.
HOLE No. M90-740	**BEARING** 159°29' (159.48°)
LOCATION 64680.837 N 62251.106 E	**DIP** -44°19' (-44.32°)
	TOTAL LENGTH 90.0m.
LOGGED BY S. Blower	**HORIZONTAL PROJECT**
DATE July 14/90	**VERTICAL PROJECT**
CONTRACTOR D.J. Drilling	
CORE SIZE NQ	
DATE STARTED July 8, 1990	
DATE COMPLETED July 11, 1990	
DIP TESTS Acid Test: 90.0m. Actual -52° Corrected -43°	

ALTERATION SCALE



absent
slight
moderate
intense

TOTAL SULPHIDE SCALE



traces only
< 1%
1% – 3%
3% – 10%
> 10%

COMMENTS

BEAR VEIN EAST EXTENSION. COLLARED EAST OF M88-722. SMALL AMOUNT OF i-I 5Ca

LEGEND

PAGE 2 OF 9	PROJECT: Main mine	HOLE No. M90-740

DEPTH (METRES)	% Core Recy	LITHOLOGY	STRUCTURE	GEOLOGICAL DESCRIPTION		ALTERATION D A	G B	Si C	Se D	M E	FRACT INTENSITY	T	K
0				0-9.1m.	Overburden								
				9.1-25.6m.	5Dd								
		O/B			Black to dark grey, finely laminated mudstones + siltstones. (~60/40 muds/silts).								
10					9.1-13.1m. Dark to light grey, intensely broken. Dark grey mudstone (70%) with 30% fine, light grey siltstone beds @ 60° TCA.. Rare qstrs 1-2cm. wide, 1 per 2 meters. No visible sulphides. Int. fol'n. ‖ to bedding.								
15		5Dd			13.1-15.1m. Black to light grey, 60% black mudstone with finely interbedded light grey siltstone beds @ 60-80° TCA.. Qstrs 5-10mm wide, ~1 per meter, cutting the bedding @ 40° TCA.. Int. foln. ‖ to bedding, no visible sulphides.								
					15.1-15.5m. Dark grey, intensely broken mudstone + siltstone. No visible sulphides.								
					15.5-16.1m. Dark grey mudstone with light grey siltstone (50/50), finely bedded, no visible sulphides.								
		5Dd											
20.4			i		16.1-25.6m. Dark to light grey, finely bedded mudstone + siltstone (~60/40), moderately broken m-flt @ 23.3-25.6m. Int. flt @ 20.4-22.5m. (poor recovery). One 1cm. qstr @ contact, (no sulphides). No visible Sx throughout.								
22.5													
25													

PAGE 3 OF 9	PROJECT: Main Mine	HOLE No. M90-740

MINERALIZATION DESCRIPTION	TOTAL SULPHIDE	INTERVAL	WIDTH	ASSAY NUMBER	% Au	% Ag	%			COMPOSITE ASSAYS

PAGE 4 OF 9	PROJECT: Main Mine	HOLE No. M90-760

DEPTH (METRES)	% Core Recy	LITHOLOGY	STRUCTURE		GEOLOGICAL DESCRIPTION	D A	G B	Si C	Se D	M E	FRACT INTENSITY	T	K
25		5Dd											
25.6		7c		25.6 - 26.1m.	7c Dark grey, finely banded. Int. foln. @ 90° TCA.. F.W. contact irregular, but ~ 90° TCA.. Qtz/carb. veinlets 1-2mm wide, cutting + // to the foln. i-Si, w-G altn. 0.5% pyrite.								
26		5Ca		26.1 - 30.0m.	5Ca Light green, fine grained, mafic volcanics. 26.1 - 29.6m. light green, fine grained, mod. crackle bx. defines a weak foln. @ 40-70° TCA.. Qtz veinlets < 1cm. wide, ~ 2-4 per meter @ 40-60° TCA, cutting the foln. m-D altn. No visible sulphides, locally rusty. 29.6 - 30.0m. light green, fine grained, weak crackle bx., weak foln. @ 60° TCA.. w-D, w-T altn.. No visible sx.								
30		76		30.0 - 34.3m.	76 Light green to light grey, altered ultramafic. mod. foln. @ 50-60° TCA, H.W. contact @ 70° TCA.. Rare qtz strs < 1cm. wide, ~1 per 2 meters // to + cutting the foln.. mod. magnetic. i-T altn. Rare py, < 0.5%, rare chromite < 0.5%								
34													

PAGE 7 OF 9 PROJECT: Main Mine HOLE No. M90-740

MINERALIZATION DESCRIPTION	TOTAL SULPHIDE	INTERVAL	WIDTH	ASSAY NUMBER	oz/ton Au	oz/ton Ag	%			COMPOSITE ASSAYS
34.6 – 35.2m. 7b										
– <0.5% pyrite as fine										
dissem'c.										
35.2 – 35.6m. 7c										
– trace fine, dissem. pyrite										
– & <0.5% fine, dissem. chromite										
35.6 – 37.2m. 5C6										
– up to 3% pyrite as med. to										
coarse dissem'c. + clusters <1cm										
wide.										
– 36.4-36.9m. Qstrs in up		36.4-36.9	0.5	E23901	tr	0.02				
5C6										
38.7 – 40.8m. 5C6		38.7-39.4	0.7	23902	tr	0.02				
– 5% pyrite as fine to coarse		39.4-40.1	0.7	23903	tr	0.02				
dissem's, clusters + strs <1cm. wide		40.1-40.8	0.7	23852	tr	0.02				

 PROJECT: Main Mine HOLE No. M90-746

DEPTH (METRES)	% Core Recy	LITHOLOGY	STRUCTURE	GEOLOGICAL DESCRIPTION	ALTERATION D A	G B	Si C	Se D	M E	FRACT INTENSITY	T	K
39		5Cb		5Cb (cont.) 5% pyrite. 40.8 - 63.6m. Dark green, chl. volcanics, with local bands of lighter green volcs.. Local pillow rims. Very rare white qstrs < 2cm. wide, ~ 1 per 4 meters. < 0-5% pyrite. Local weak crackle bx..								
60				63.6 - 64.2m. Light yellowish green, fine grained. weak flt, with a 1cm. white qstr. i-k, m-D altn. No visible sulphides. Flt. oriented @ 60° TCA.								
63.9			w									
64		5Cb		64.2 - 81.5m. Dark green, common pillows, minor zones of w-D altn. < 20cm wide. Rare qstrs. < 2cm. wide, 1 per 2-4 meters. One 10cm. qtz/carb./chl. str @ 66.8m. @ 40° TCA, with 10cm. of w-D altn. on each side. w-flt. @ 68.9m.								
68.9			w									
				81.5 - 82.6m. Light green, wk. crackle bx., w-D altn. No visible sulphides.								
82				82.6 - 90.0m. Dark green, weak crackle bx. No visible sulphides.								
90		EOH		E.O.H. @ 90.0m.								

PAGE 9 OF 9 | PROJECT: Main Mine | HOLE No. M90-740

MINERALIZATION DESCRIPTION	TOTAL SULPHIDE	INTERVAL	WIDTH	ASSAY NUMBER	% Au	% Ag	%			COMPOSITE ASSAYS
40.8 - 63.6m. 5a										
- <0.5% pyrite as fine										
dissem's. in pillow interstices.										

PAGE OF	PROJECT: Man Mine	HOLE No. M90-740

DEPTH (METRES)	% Core Recy	LITHOLOGY	STRUCTURE	GEOLOGICAL DESCRIPTION	ALTERATION A	B	C	D	E	FRACT INTENSITY
				E.O.H. @ 90.0 m						

atlas

ERICKSON GOLD MINING CORP.

DRILL LOG

PROJECT ERICKSON	GROUND ELEV. 1377.969 m
HOLE No. M90-741	BEARING 315.7000 deg
LOCATION 6564570.857 m NORTH 462224.974 m EAST MAURA BASELINE	DIP -54.90 deg TOTAL LENGTH 200.000 m
LOGGED BY	HORIZONTAL PROJECT 115.001 m
DATE	VERTICAL PROJECT -163.630 m
CONTRACTOR D.J.	ALTERATION SCALE absent slight moderate intense
CORE SIZE NQ	
DATE STARTED	
DATE COMPLETED	TOTAL SULPHIDES SCALE traces only < 1% 1% to 3% 3% to 10% > 10%
COMMENTS TESTING SOUTH DIPPING VEIN NORTH OF BEAR EXTENSION. SOME EXC. ALTERATION BUT NO SIGN. VEINING	

LENGTH	AZIMUTH	DIP	HORZ	ELEV	DIST FROM BL	SECTION	SEC OFFSET	DESCRIPTION
0.00	315.70	-54.90	0.00	1377.97	67.45 N	482.0 W	2.72 W	COLLAR
51.29	315.70	-54.90	29.49	1336.00	96.03 N	483.0 W	10.00 W	X-SECTION
121.70	315.70	-54.90	69.98	1278.40	135.26 N	483.0 W	0.00 W	CL-SECTION
192.11	315.70	-54.90	110.47	1220.79	174.49 N	484.0 W	10.00 W	X-SECTION
200.00	0.00	0.00	115.00	1214.34	178.89 N	484.0 W	8.88 E	END OF HOLE

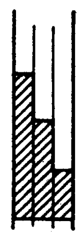
ERICKSON GOLD MINING CORP.

MINERALS SECTION

DRILL LOG

PROJECT Main Mine	**GROUND ELEV.** 1377.969 m.
HOLE No. M90-741	**BEARING** 315° 42'
LOCATION 64570.857N 62224.974E	**DIP** -54° 53'
	TOTAL LENGTH 214.2 m.
LOGGED BY S. Blower	**HORIZONTAL PROJECT**
DATE July 21/90	**VERTICAL PROJECT**
CONTRACTOR D.J. Drilling	**ALTERATION SCALE**
CORE SIZE NQ	
DATE STARTED July 12, 1990	
DATE COMPLETED July 18, 1990	**TOTAL SULPHIDE SCALE**

ALTERATION SCALE



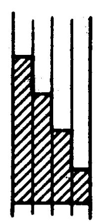
absent

slight

moderate

intense

TOTAL SULPHIDE SCALE



traces only

< 1%

1% — 3%

3% — 10%

> 10%

DIP TESTS

		Az	Dip
Single Shot	30.5m	326	-54
Sperry-Sun	91.4	327	-57.5
	152.4	328	-59.5
	213.4	330	-62

COMMENTS

LEGEND

PAGE 2 OF 27	PROJECT: Main Mine	HOLE No. M90-741

DEPTH (METRES)	% Core Recy	LITHOLOGY	STRUCTURE	GEOLOGICAL DESCRIPTION		ALTERATION D A	G B	Si C	Se D	M E	FRACT INTENSITY	T	K
				0 - 17.1m.	Overburden								
				17.1 - 61.2m	5Dd								
		O/B											
					Dark to light grey, finely interbedded mudstones + siltstones.								
					17.1 - 23.8m. Finely bedded mudstones + siltstones (~50/50), with beds 1cm. to 1m. wide, @ 50-60° TCA, // to an intense foln.. Locally mudstone matrix supporting siltstone clasts. ~1% pyrite.								
20													
					23.8 - 50.2m. Intensely broken, finely laminated mudstones + siltstones (~70/30) with local zones of siltstone clasts in a muddy matrix. Numerous, rusty, graphitic slip planes. Generally < 1% pyrite.								
		5Dd											
25													
					50.2 - 60.8m. mod. to intense foln. (increasing toward the chert contact) @ 60° TCA.. Finely interbedded muds + silts (~60/40), // to the foln.. Rare qstrs < 1cm wide @ variable orientations, 1-2 per 2 meters. < 1% pyrite.								
60													
					60.8 - 61.2m. Intensely fol'd. @ 60° TCA, qstrs up to 2cm. wide, 2-3 per 10cm.. (could be listwanite ?). Qstrs are parallel to the foln.. < 1% pyrite.								
		5Dd											
61													

PAGE 3 OF 27	PROJECT: Main Mine	HOLE No. M90-741

MINERALIZATION DESCRIPTION	TOTAL SULPHIDE	INTERVAL	WIDTH	ASSAY NUMBER	%	%	%			COMPOSITE ASSAYS
17.1 - 23.8m. 5Dd ~1% pyrite as med. grained strs < 1cm. wide, // to the foliation.										
23.8 - 50.2m. 5Dd - < 1% py as fine to med. dissem's.										
50.2 - 60.8m. 5Dd - < 1% py as fine to med. dissem's.										
60.8 - 61.2m. - < 1% py as fine to med. dissem's.										

PROJECT: Main Mine

HOLE No. M90-744

DEPTH (METRES)	% Core Recy	LITHOLOGY	STRUCTURE	GEOLOGICAL DESCRIPTION		ALTERATION D A	G B	Si C	Se D	m E	FRACT INTENSITY	T	k
61		5Dd		61.2 – 66.4m	5Cf								
		5Cf			Light grey, chert. weak to intense crackle bx., locally vuggy, qstrs 1-2 cm. wide @ 40-60° TCA, ~ 1 per meter. Orange carb. veinlets 1-2 mm wide, 1-2 per cm. @ variable orientations. Decrease away from the dergillite contact. Up to 0.5% py.								
66		5Ca		66.4 – 67.6 m	5Ca - limonitic - buff i-D 5Ca; qstrs 1-2 cm wide @ ~30° TCA which also contain thin (<3mm) buff coloured carb fractures - <0.5% pyrite; trace specks of med. green Se (w-Se)								
		5Cf		67.6 – 68.4	5Cf - mod. greenish-grey 5Cf; contains abundant (10%) random carb. stringers (<1.5 mm) + qstrs (1.0 mm). - no vis. sxs - m-Si, w-D (m-D towards last 5cm of interval).								
68		5Ca		68.4 – 69.4	5Ca 68.4-69.2m. Dark, mottled green, banded @ 70° TCA, with lighter green bands 3mm wide. Vuggy, rusty fracs. w-D altn, no visible sx. 69.2-69.4m. Rusty, i-fol'd. @ 50° TCA. // to the F.W. contact. Calcite veinlets 1-5mm wide, // to the foln., ~ 3 per 10cm's. i-D altn, no visible sx.								
69		7c		69.4 – 69.6m	7c Light grey-beige, i-fol'd. @ 40° TCA. // to								
69.5													

PAGE 5 OF 27	PROJECT: Main Mine	HOLE No. M90-741

MINERALIZATION DESCRIPTION	TOTAL SULPHIDE	INTERVAL	WIDTH	ASSAY NUMBER	% oz/ton Au	% Ag	% ppb Au			COMPOSITE ASSAYS
61.2 - 66.4m. 5Cf - up to 0.5% py as fine to coarse dissem's., sometimes as cubes.										
66.4-67.6 5Ca - <0.5% py as fine to med. dissems - cubic shape - fine py assoc. w. qtzs.										
67.6 - 68.4m. 5Cf - no visible sx.										
68.4 - 69.2m. 5Ca - no visible sx.										
69.2 - 69.4m. 5Ca - no visible sx.		69.2-69.4	0.2	E23801	Geochem.		24	ppb		
69.4 - 69.6m. 7C - no visible sx, 0.5% fine, dis. chromite.										

 PROJECT: Main Mine HOLE No. M90-741

DEPTH (METRES)	% Core Recy	LITHOLOGY	STRUCTURE		GEOLOGICAL DESCRIPTION	ALTERATION D A	G B	Si C	Se D	M E	FRACT INTENSITY	T	K
69.5		7c			7c (cont.) the H.w. contact. One qstr 1cm. wide, ‖ to the foln., i-Si altn, 0.5% chromite no visible sulphides.								
70		7b		69.6 - 70.7m.	7b Light grey to beige, mod. foln. @ 60-70° TCA, rusty carb. strs, 1mm wide, 1-2 per cm, @ all orientations. m-T, w-Si altn, up to 0.5% chromite, no visible sx. w-K altn.								
71		5Ca		70.7 - 72.4m.	5Ca 70.7 - 71.0m. Mottled light grey - green, i-fol. @ 60° TCA, rusty carb. strs ~1mm wide, 2-3 per cm, ‖ to the foln.. w-D altn, no visible sx. 71.0 - 72.4m. Light green-brown, local weak foln. @ 60° TCA.. Chert lenses (~10%) up to 1.5cm. wide. Worm-like calcite strs ~1mm wide, up to 5 per cm. w-D altn; no visible sx.								
72		5Cf		72.4 - 73.7m.	5Cf medium to dark grey chert. Qstrs 0.5-2cm. wide, ~5 per meter, @ 40-50° TCA.. One 20cm. wide qstr @ the F.w. contact (maybe only remobilized chert?). No sulphides in the chert, 5% py in the 20cm. qstr..								
73													

PAGE 7 OF 27	PROJECT: Main mine	HOLE No. M90-741

MINERALIZATION DESCRIPTION	TOTAL SULPHIDE	INTERVAL	WIDTH	ASSAY NUMBER	~~%~~ oz/ton Au	~~%~~ oz/ton Ag	%			COMPOSITE ASSAYS
69.6-70.7m. 7b										
- up to 0.5% fine, diss. chromite										
- no visible Sx.										
70.7-71.0m. 5a										
- no visible sulphides.										
71.0-72.4m. 5a										
- no visible Sx.										
72.4-73.7m. 5CF										
- 72.4-73.5m. no visible Sx.										
- 73.5-73.7m. 5% pyrite as coarse open space fillings, + <0.5% as fine dissen's.		73.5-73.7	0.2	E23781	tr	0.02				

PAGE 8 OF 27	PROJECT: Main Mine	HOLE No. M90-741

DEPTH (METRES)	% Core Recy	LITHOLOGY	STRUCTURE		GEOLOGICAL DESCRIPTION	ALTERATION D A	G B	Si C	Se D	M E	FRACT INTENSITY	T	K
73		5Cf			5Cf (cont.)								
		5Ca		73.7-74.3m	5Ca Buff to dark grey, i-D, m-Si altn. 5% pyrite. A.w. contact @ 40° TCA.	x		x					
74		5Cf		74.3-75.1m	5Cf Dark to light grey chert. Rusty + vuggy, 2% pyrite. Possibly remobilized @ both contacts.								
75		5Ca		75.1-79.6	5Ca								
					75.1-75.7m. Rusty buff, i-D, w-K altn., up to 0.5% pyrite.	x							x
		5Ca			75.7-78.0m. Dark green, chl 5Ca. Qstrs <5mm wide, ~1 per meter @ 40-60° TCA. 0.3m. of i-K altn. @ 75.8-76.1m. no visible sulphides.								
76		5Ca											
					78.0-78.7m. Rusty buff, mod. foln. @ 60° TCA, i-D altn, i-K altn from 78.0-78.2m. Minor calcite blebs + veinlets. no visible sx.	x							x
79													

PAGE 9 OF 27	PROJECT: Main Mine	HOLE No. M90-741

MINERALIZATION DESCRIPTION	TOTAL SULPHIDE	INTERVAL	WIDTH	ASSAY NUMBER	~~%~~ oz/ton Au	~~%~~ Ag	%			COMPOSITE ASSAYS
73.7-74.3m. 5Ca - 5% pyrite as fine grained clusters up to 2cm. wide. - ~1% pyrite as med. grained open space filling.		73.7-74.3	0.6	E23752	tr	0.02				
74.3-75.1m. 5Cf - up to 2% pyrite as fine clusters @ contacts only.										
75.1-75.7m. 5Ca - up to 0.5% pyrite as fine clusters < 1cm. in dia.										
75.7-78.0m. 5Ca - no visible sx.										
78.0-78.7m. 5Ca - no visible sulphides.										

PAGE 10 OF 27	PROJECT: Main mine	HOLE No. M90-741

DEPTH (METRES)	% Core Recy	LITHOLOGY	STRUCTURE		GEOLOGICAL DESCRIPTION	ALTERATION D A	G B	Si C	Se D	M E	FRACT INTENSITY	T	K
79		5Ca			5Ca (cont.)								
					78.7-79.6m. Dark green, chl 5Ca with no visible sulphides.								
		5Ce		79.6-80.1m.	5Ce								
					med. grey, i-fol'd. chert with tuff bands @ 40° TCA., 1-2 mm wide (~25% tuff bands). No visible sulphides.								
80				80.1-164.5m.	5Ca								
					80.1-82.4m. Dark green, fine grained, rare qstrs < 1cm. wide, local rusty fracs. No visible sulphides.								
82		5Ca											
83.2			w		82.4-83.2m. Buff, broken, i-D 5Ca. No qstrs, possible weak flt. (slicks on one plane @ 40° TCA.) @ 83.2m. 2% pyrite.								
					83.2-84.6m. Dark green, fine grained, weak crackle bx., w-D altn. no visible sulphides.								
84		5Ca											
84.6-85.2m			m		84.6-85.2m. Brown, rusty rubble. probable mod. fault. i-K altn, m-D altn. No visible sulphides.								
85													

PAGE 11 OF 27	PROJECT: Main Mine										HOLE No. M90-741
MINERALIZATION DESCRIPTION	TOTAL SULPHIDE	INTERVAL	WIDTH	ASSAY NUMBER	% Au	% Ag	~~%~~ ppb Au				COMPOSITE ASSAYS
78.7 - 79.6m. 5Ca - no visible sulphs.											
79.6-80.1m. 5Ca - no visible sulphs.											
80.1 - 82.4m. 5Ca - no visible sulphs.											
82.4 - 83.2m. 5Ca - 2% pyrite as fine clusters to 2cm. wide.		82.4-83.2	0.8	E23802	Geochem.		12 ppb				
83.2 - 84.6m. 5Ca - no visible sulphides.											
84.6 - 85.2m. 5Ca - no visible sulphides.											

 PROJECT: Main Mine HOLE No. M90-741

DEPTH (METRES)	% Core Recy	LITHOLOGY	STRUCTURE	GEOLOGICAL DESCRIPTION	ALTERATION D A	G B	Si C	Se D	M E	FRACT INTENSITY	T	K
85				5Ca (cont.)								
		5Ca		85.2-88.2m. med. to dark green, fine grained volcanics. weak foln. @ 50-60° TCA.. Calcite blebs + strs. common. No visible sulphides. one 10cm. zone of i-K @ 87.9m. w-D altn..								
88				88.2-89.5m. Buff to grey, fine grained; rare qstrs <1cm. wide, ~1 per meter @ 30-50° TCA.. Rusty, i-D altn.. Local qtz lenses up to 1cm. wide. (<1% qtz). 0.5-1% py								
		5Ca		89.5-90.1m. Buff, rusty, moderately broken. Qtz pieces (~5%) (dominantly white). i-D altn., 0.5-1% pyrite.								
90				90.1-91.9m. Buff, locally rusty, qstrs up to 1cm. wide, ~1 per meter @ 40-50° TCA.. i-D altn, weak crackle bx. <0.5% pyrite.								
				91.9-92.9m. Light green-brown, weak crackle bx., calcite strs common. w-D altn, no visible sulphides. trace pyrite.								
92		5Ca		92.9-93.9m. Rusty brown, 50% of interval is fine rubble. probable weak faults @ 93.2 + 93.7m, m-D, i-K altn.. no visible sulphs.								
93.2			w									
93.7			w									
94				93.9-95.4m. med. to dark green fine grained, weak crackle bx, no visible sulphides.								

PAGE 13 OF 27 | PROJECT: Main Mine | HOLE No. M90-741

MINERALIZATION DESCRIPTION	TOTAL SULPHIDE	INTERVAL	WIDTH	ASSAY NUMBER	~~%~~ oz/ton Au	~~%~~ Ag	%			COMPOSITE ASSAYS
85.2-88.2m. 5Ca - no visible sulphides.										
88.2-89.5m. 5Ca - 0.5-1% py as fine dissem's. + clusters to 1cm. in dia.										
89.5-90.1m. 5Ca - 0.5-1% py as fine dissem's., clusters to 1cm. in dia., + stringers < 2mm wide.		89.5-90.1	0.6	E23753	0.023	0.02				
90.1-91.9m. 5Ca - < 0.5% py as fine dissem's.										
91.9-92.9m. 5Ca - trace pyrite as med. grained, euhedral cubes.										
92.9-93.9m. 5Ca - no visible sulphs.										
93.9-95.4m. 5Ca - no visible sulphs.										

PAGE 14 OF 27	PROJECT: Marn Mine	HOLE No. M90-741

DEPTH (METRES)	% Core Recy	LITHOLOGY	STRUCTURE		GEOLOGICAL DESCRIPTION
94					5Ca (cont.)
95.4		5Ca			95.4-96.1m. Rusty brown rubble (fault gouge?) probable mod. fault, i-K, m-D altn., no visible sulphides.
96					96.1-96.9m. Grey to buff, weak crackle bx., one 3cm. qstr @ 50°TCA... minor calcite veinlets. m-D altn., <0.5% pyrite.
					96.9-98.3m. Dark green, fine grained. Calcite strs + lenses common (~ 2%). weak crackle bx, no visible sulphs.
97		5Ca			98.3-101.3m. Light green to buff, weakly broken, vuggy, One 1cm. qtz/carb. str @ 60°TCA.. Local weak foln. @ 60°TCA.. Local qtz veinlets 1-2mm wide, ~1 per cm. @ all orientations. m-D altn. ~0.5% pyrite.
101		5Ca			101.3-110.3m. Med. to dark green, fine grained, local weak crackle bx., rare qstrs to 1cm. wide, ~ 1 per 3 meters. Common calcite lenses + strs <1cm. wide, ~2 per meter. Small 10cm. wide D-altered zones, ~ 1 per 2-3 meters. No visible sx.
110					

ALTERATION: D (A) | G (B) | Si (C) | Se (D) | M (E) | FRACT INTENSITY | T | K

PAGE 15 OF 27	PROJECT: Main Mine	HOLE No. M90-741

MINERALIZATION DESCRIPTION	TOTAL SULPHIDE	INTERVAL	WIDTH	ASSAY NUMBER	% Au	% Ag	%			COMPOSITE ASSAYS
95.4-96.1m. 5Ca - no visible sulphides.										
96.1-96.9m. 5Ca - <0.5% pyrite as fine dissen's.										
96.9-98.3m. 5Ca - no visible sulphs.										
98.3-101.3m. 5Ca - up to 0.5% py as fine dissen's + strs < 1mm wide.										
101.3-110.3m. 5Ca - no visible sulphides.										

PAGE 16 OF 27	PROJECT: Main Mine	HOLE No. M90-[illegible]

DEPTH (METRES)	% Core Recy	LITHOLOGY	STRUCTURE	61124.184 69470.761	GEOLOGICAL DESCRIPTION	D A	G B	Si C	Se D	M E	FRACT INTENSITY	T	K
110					5Ca (cont.)								
					110.3 – 110.8m. light green-brown, fine grained, mod. crackle bx., calcite lenses up to 1cm. wide, ~1%. m-D altn, <0.5% pyrite	/					/		
111		5Ca			110.8-111.8m. Rusty buff, fine grained, qtz veinlets up to 2mm wide, 5-7 per meter, @ all orientations. i-D altn, <0.5% pyrite.	/							
					111.8 – 125.3m. Dark green, fine grained. Common calcite strs + lenses <1cm. wide, @ all orientations. very rare qstrs <1cm. wide, ~ 1 per 5 meters. no visible sulphides.								
125 / 125.8		5Ca	w		125.3-126.4 m. Light brown, rusty, fine grained, weak crackle bx., moderately broken. probable weak fault @ 125.8m. m-D altn, w-K altn, no visible sulphides.	/					/		/
129					126.4 – 129.9m. Light grey – rusty buff, qtz/carb. strs 0.5 – 2 cm. wide, 3-4 per meter @ 20-50° TCA. (one with a coarse grain of chalcopyrite). weak crackle bx., i-D altn. <0.5% pyrite.	/							
135		5Ca			129.9 – 135.3m. Dark green, weak crackle bx, rare qstrs <1cm. wide, ~ 1 per 2 meters. .5cm. of i-k @ the H.W. contact. (129.9m.) No visible sulphides.						/		

 PROJECT: Mark Mine HOLE No. M90-741

MINERALIZATION DESCRIPTION	TOTAL SULPHIDE	INTERVAL	WIDTH	ASSAY NUMBER	% Au	% Ag	~~%~~ PPb Au			COMPOSITE ASSAYS
110.3-110.8m. 5Ca - <0.5% pyrite as fine to coarse dissem's.										
110.8-111.8m. 5Ca - <0.5% fine, dissem. pyrite		110.8-111.8	1.0	23803	Geochem.		27	PPb		
111.8-125.3m. 5Ca - no visible sulphides.										
125.3-126.4m. 5Ca - no visible sulphides.										
126.4-129.9m. 5Ca - <0.5% fine, dissem. pyrite - 2 grains of coarse chalcopyrite in qstrs.										
129.9-135.3m. 5Ca - no visible sulphides.										

 PROJECT: Main Mine HOLE No. M90-741

DEPTH (METRES)	% Core Recy	LITHOLOGY	STRUCTURE	GEOLOGICAL DESCRIPTION	ALTERATION D A	G B	Si C	Se D	M E	FRACT INTENSITY	T	K
135				5Ca (cont.)								
				135.3 - 137.0m. Rusty brown-buff, qtz/carb. strs 1-4mm wide, 3-5 per meter @ 40-60° TCA. weak flt. @ 10° TCA. @ 136.6m., m-D, m-K altn. trace to 5% pyrite.	///							///
136.6			w									
		5Ca										
137				137.0 - 137.7m. Dark green-grey, rusty frac's., w-D, w-K altn. No visible sulphides	///							///
				137.7 - 144.7m. Rusty brown, fine grained one 10cm. qstr @ 142.3m., @ 45° TCA., otherwise qstrs are rare, + ∠ 1cm. wide. 1m. of m-k altn. @ 139.1 - 140.1m., m-D, w-K altn. ∠0.5% pyrite.	///							///
		5Ca										
145				144.7 - 149.6m. med green, qstrs 1-5mm wide, ~1 per 2 meters @ 30-60° TCA.. No visible sulphides.								
				149.6 - 153.9m. Rusty brown to buff, fine grained, weak to moderately broken. Probable weak fault @ 152.7m. weak crackle bx. Rare qstrs ∠1cm wide, ~1 per 2 meters @ 20-40° TCA.. i-D, w-Si altn. ∠0.5% pyrite.	///	///	///			///		
150		5Ca										
152.7			w									
				153.9 - 157.1m. Dark green, fine grained, weak crackle bx. Qtz/calcite strs.								
154												

PAGE 19 OF 27	PROJECT: Mash mine									HOLE No. M90-741
MINERALIZATION DESCRIPTION	**TOTAL SULPHIDE**	**INTERVAL**	**WIDTH**	**ASSAY NUMBER**	**% Au**	**% Ag**	**ppb Au**			**COMPOSITE ASSAYS**
135.3-137.0m. 5Ca										
- trace fine, dissemnated py.										
- 5% fine, clustered py over the last 20cm's.										
137.0-137.7m. 5Ca										
- no visible sulphides.										
137.7-144.7m. 5Ca										
- <0.5% fine, dissem. pyrite.										
144.7-149.6m. 5Ca										
- no visible sulphides.										
149.6-153.9m. 5Ca		149.6-150.2	0.6	E23809	Geochem.		<10	ppb		
- <0.5% pyrite as fine dissen's.										
153.9-157.1m. 5Ca										
- <0.5% pyrite as fine dissen's										

 PROJECT: Main mine HOLE No. M90-741

DEPTH (METRES)	% Core Recy	LITHOLOGY	STRUCTURE		GEOLOGICAL DESCRIPTION
154					5Ca (cont.)
					1-10mm wide, ~ 1 per meter @ 50-70° TCA. <0.5% pyrite.
		5Ca			157.1-161.1m. Grey to brown-buff, fine grained, locally weakly broken, moderate crackle bx., Qstrs 0.1-2cm. wide, ~ 2-3 per meter @ all orientations, i-D, w-Si altn, 1% pyrite.
158					
					161.1-164.5m. Light grey to buff, fine grained weak crackle bx., Qstrs 0.5-2cm. wide, ~ 1-3 per meter @ 50-70° TCA.. m-D altn., up to 0.5% pyrite.
				164.5-177.8m.	5Cb (volcanics)
165					Green to buff, fine grained, mafic volcanics with common pillow structures.
					164.5-169.7m. Dark green, fine grained, common pillows, rusty frac's, Qstrs (white) <1cm. wide, ~ 1 per 2 meters, calcite (white) strs. <1cm. wide, ~2 per meter @ all orientations. w-D altn, <0.5% pyrite
		5Cb			169.7-171.6m. Light green-grey, weak crackle bx, Carb. str 1-2cm. wide, // to the core axis, commonly with slickensides @ the contacts with volcanics. m-D altn, trace pyrite.
170					
					171.6-173.5m. Med. green, weak crackle bx., rusty frac's, Qstrs + Carb. strs. < 1cm. wide ~ 1 per meter @ 30-50° TCA.. No visible sulphides. w-D altn.
173					

Alteration columns: D (A), G (B), Si (C), Se (D), M (E); FRACT INTENSITY; T; K

PAGE 21 OF 27	PROJECT: mam mine	HOLE No. M90-741

MINERALIZATION DESCRIPTION	TOTAL SULPHIDE	INTERVAL	WIDTH	ASSAY NUMBER	% Au	% Ag	% ppb Au			COMPOSITE ASSAYS
157.1-161.1m. 5Ca		157.1-157.7	0.6	E23810	Geochem.		12 ppb			
- up to 1% pyrite as fine dissen's + stringers, usually in the volcs, but locally making up 10% of the qstrs.										
161.1-164.5m. 5Ca										
- up to 0.5% pyrite as fine dissemnations.										
164.5-169.7m. 5Ca										
- <0.5% pyrite as fine to med. dissemnations.										
169.7-171.6m. 5Ca										
- trace fine pyrite in the volcs. only.										
171.6-173.5m. 5Ca										
- no visible sulphides.										

 PROJECT: Main Mine HOLE No. M90-74

DEPTH (METRES)	% Core Recy	LITHOLOGY	STRUCTURE		GEOLOGICAL DESCRIPTION	D A	G B	Si C	Sc D	M E	FRACT INTENSITY	T	k
173					5Cb (cont.)								
					173.5 - 173.9m. Rusty-buff, fine grained, one vuggy grey qtz lens ~ 8cm. wide, @ 30° TCA. m-D altn, no visible sulphides	/							
		5Cb			173.9 - 174.6m. Med. to dark green, w-D altn., no visible sulphides.	/							
174													
					174.6 - 175.5m. Light grey to rusty brown, weak crackle bx, m-D altn, no visible sulphides.	/					/		
					175.5 - 176.9m. Rusty brown, weakly broken weak crackle bx, i-D altn., Trace to 0.5% pyrite.	/	/				/		
176		5Cb											
					176.9 - 177.8m: Med. grey, mod. crackle bx., qtz veinlets 1-8mm wide, ~ 3-5 per meter @ 40-50° TCA. i-D altn, 1% pyrite	/	/				/		
				177.8 - 179.9m.	Carbonate vein.								
178		CV			White to yellow-orange, med. grained colloform banded calcite vein. Contacts @ 5-10° TCA. Local quartz (~ 5%). Vuggy. Carbonate appears to x-cut + locally brecciate the qtz. <0.5% pyrite.								
				179.9 - 214.2m.	5Cb (Volcanics)								
180		5Cb											

 PROJECT: Main Mine HOLE No. M90-741

MINERALIZATION DESCRIPTION	TOTAL SULPHIDE	INTERVAL	WIDTH	ASSAY NUMBER	oz/ton Au	oz/ton Ag	%			COMPOSITE ASSAYS
173.5-173.9m. 5C6		173.5-173.9	0.4	E23765	tr	0.02				
- no visible sulphides.										
173.9-174.6m. 5C6										
- no visible sulphides.										
174.6-175.5m. 5C6										
- no visible sulphides.										
175.5-176.9m. 5C6										
- trace to 0.5% pyrite (increases toward the footwall), as fine dissem's.										
176.9-177.8m. 5C6		176.9-177.4	0.5	E23766	tr	0.02				
- 1% pyrite as fine to med. dissem's + stringers.		177.4-177.8	0.4	E23767	tr	0.02				
177.8-179.9m. Carbonate vein.		177.8-178.5	0.7	E23768	tr	0.02				
- <0.5% pyrite as fine dissem's.		178.5-179.2	0.7	E23769	0.002	0.02				
		179.2-179.9	0.7	E23770	0.004	0.02				

PAGE 24 OF 27 | PROJECT: Main Mine | HOLE No. M90-741

DEPTH (METRES)	% Core Recy	LITHOLOGY	STRUCTURE	GEOLOGICAL DESCRIPTION
180				5Cb (cont.)
				179.9 - 180.4 m. Light grey to rusty buff fault breccia (ll to HW contact). 20% angular i-D 5Ca clasts in a pyrite matrix, which is then brecciated by a medium grey quartz matrix. Vugs lined with colloform qtz + minor calcite. i-D, i-Si altn., 5% pyrite. mod. fault.
180.5		5Cb		180.4 - 184.1 m. Light grey to buff, qstrs <1cm. wide, 2-3 per meter @ 30-50° TCA. Weak chl. crackle bx., i-D, w-Si altn. Rusty frac's. 0.5-1% pyrite. Si altn. increases toward the H.W.
				184.1 - 184.9 m. Moderately broken, light grey to buff. 30% well broken argillite pieces (fell down from top of hole?) i-D, w-Si altn. 1% pyrite.
185				184.9 - 186.9 m. Light green to grey, rusty, weak crackle bx., qtz/carb. strs 1-5 mm wide, ~3 per meter. m-D altn. <0.5% py.
		5Cb		186.9 - 188.5 m. Rusty buff, weak crackle bx. Dark grey to white qtz veinlets + lenses up to 1 cm. wide, ~10-15 per meter. i-D altn, 1% pyrite.
188				188.5 - 190.3 m. Rusty buff, moderately broken weak crackle bx., i-D, w-k altn., <0.5% pyrite.
				190.3 - 192.1 m. Dark green, weak crackle bx., qstrs 1-5 mm wide, ~1 per meter @ 60-70° TCA. w-D altn. trace pyrite.
192				

ALTERATION: D (A) | G (B) | Si (C) | Se (D) | M (E) | FRACT INTENSITY | T | K

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PAGE 25 OF 27 | PROJECT: Main mine | HOLE No. M90-741

MINERALIZATION DESCRIPTION	TOTAL SULPHIDE	INTERVAL	WIDTH	ASSAY NUMBER	~~%~~ oz/ton Au	~~%~~ Ag	~~%~~ ppb Au			COMPOSITE ASSAYS
179.9-180.4m. 5C6 - 5% pyrite as a fine grained matrix supporting 5Ca clasts. this is then brecciated by a qtz matrix.		179.9-180.4	0.5	E23772	0.003	0.02				
180.4-184.1m. 5C6 - 0.5-1% pyrite, as fine to medium dissem's, & strs. up to 2mm wide.		180.4-181.0	0.6	E23811	Geochem.		13 ppb			
184.1-184.9m 5C6 - 1% pyrite as fine dissem's. & small clusters < 0.5 cm. wide.		184.1-184.9	0.8	E23773	tr	0.02				
184.9-186.9m. 5C6 - < 0.5% py as fine dissem's.										
186.9-188.5m. 5C6 - 1% pyrite as fine to med. dissem's. + stringers up to 5 mm wide.		188.0-188.5	0.5	E23812	Geochem.		59 ppb			
188.5-190.3m. 5C6 - < 0.5% py as fine dissem's.										
190.3-192.1m. 5C6 - trace fine, dissem. pyrite.										

 PROJECT: Main Mine HOLE No. M90-741

DEPTH (METRES)	% Core Recy	LITHOLOGY	STRUCTURE	GEOLOGICAL DESCRIPTION	ALTERATION D A	G B	Si C	Se D	M E	FRACT INTENSITY	T	K
192				5Cb (cont.)								
				192.1-197.5m. Light green to buff to grey. Qstrs 1-2cm. wide, ~1 per meter @ 30-40° TCA., weak crackle bx., m-D, w-k altn. <0.5% pyrite.								
				197.5-199.5m. Med. green, swollen due to clay content, (m-k, w-D altn.), locally rusty. No visible sulphides.								
199		5Cb		199.5-200.6m. Rusty buff, dark grey qtz veinlets 1mm wide, ~1 per cm.. One 1cm. wide carb. str. @ 40° TCA.. i-D altn. <0.5% pyrite.								
				200.6-203.3m. Dark green to buff, calcite strs <1cm wide, ~1 per meter, local i-K altn. (w-k overall). Locally rusty. w-D, w-k altn. trace pyrite								
202		5Cb		203.3-205.4m. Rusty buff, white to grey, qtz + carb. strs <1cm. wide, 5-8 per meter @ all orientations. 0.5% pyrite. i-D altn.								
205				205.4-205.9m. Buff + dark grey, intensely foliated @ 10° TCA.. Qtz lenses + strs up to 1cm. wide, // to the foliation. (Looks mylonitic). i-D, 2% pyrite								
				205.9-208.1m. Buff to green, Qstrs <1cm. wide, ~1 per meter @ 10-70° TCA.. i-D altn, <0.5% py.								
				208.1-214.2m. Green + rusty, 20cm. qtz/carb./chl. vein @ 40° TCA.. w-D, w-k altn., <0.5% py								
214.2m		EOH										

E.O.H. @ 214.2m.

 PROJECT: man mine | HOLE No. M90-741

MINERALIZATION DESCRIPTION	TOTAL SULPHIDE	INTERVAL	WIDTH	ASSAY NUMBER	oz/ton Au	oz/ton Ag	ppb Au			COMPOSITE ASSAYS
192.1-197.5m. 5C6										
- <0.5% py as fine dissem's. in the more dolomite alt'd. zones.										
197.5-199.5m. 5C6										
- No visible sulphides.										
199.5-200.6m. 5C6										
- <0.5% fine, dissem. pyrite.										
200.6-203.3m. 5C6										
- trace fine, dissem. pyrite.										
203.3-205.4m. 5C6										
- 0.5% pyrite as fine dissem's., strs + clusters in voles. + qtz's.		204.9-205.4	0.5	E23813	Geochem.		44 ppb			
205.4-205.9m. 5C6		205.4-205.9	0.5	E23778	0.019	0.02				
- 2% pyrite as lenses and dissemnations (fine grained.)										
205.9-208.1m. 5C6										
- <0.5% py as fine dissem's.										
208.1-214.2m. 5C6										
- <0.5% py as fine dissem's.										

PAGE	OF	PROJECT: Main Mine	HOLE No. M90-741

DEPTH (METRES)	% Core Recy	LITHOLOGY	STRUCTURE	GEOLOGICAL DESCRIPTION	ALTERATION A	B	C	D	E	FRACT INTENSITY
				E.O.H. @ 214.2m.						

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ERICKSON GOLD MINING CORP.

DRILL LOG

PROJECT
ERICKSON

HOLE No.
M90-742

LOCATION
6565457.630 m NORTH
462177.012 m EAST
MAURA BASELINE

LOGGED BY
S. BLOWER

DATE
AUG. 13, 90

CONTRACTOR
D. J.

CORE SIZE
NQ

DATE STARTED

DATE COMPLETED

COMMENTS
1990 REST. ANOMALY GR#14. HIT GOOD ALTERATION BENEATH LIST (FOR 12m.) THEN NOTHING.

GROUND ELEV.
1111.279 m

BEARING
201.8800 deg

DIP
-44.30 deg

TOTAL LENGTH
126.400 m

HORIZONTAL PROJECT
91.930 m

VERTICAL PROJECT
-86.742 m

ALTERATION SCALE

- absent
- slight
- moderate
- intense

TOTAL SULPHIDES SCALE

- traces only
- < 1%
- 1% to 3%
- 3% to 10%
- > 10%

LENGTH	AZIMUTH	DIP	HORZ	ELEV	DIST FROM BL		SECTION		SEC OFFSET		DESCRIPTION
0.00	201.88	-44.30	0.00	1111.23	859.40	N	462.0	W	0.87	W	COLLAR
15.22	201.88	-44.30	11.61	1099.95	852.23	N	463.0	W	10.00	W	X-SECTION
32.75	208.00	-43.00	23.44	1088.41	844.93	N	463.0	W	0.70	E	DIP CHANGE
33.87	208.00	-43.00	24.26	1087.64	844.50	N	463.0	W	0.00	W	CL-SECTION
33.90	208.00	-43.00	24.28	1087.62	844.49	N	463.0	W	0.02	W	HW->LIST
49.99	208.00	-43.00	35.05	1076.65	838.25	N	464.0	W	10.00	W	X-SECTION
50.20	208.00	-43.00	35.20	1076.51	838.17	N	464.0	W	9.87	E	FW->LIST
51.50	208.00	-43.00	37.15	1075.62	837.66	N	464.0	W	9.07	E	HW->7C
52.60	208.00	-43.00	37.96	1074.87	837.24	N	464.0	W	8.38	E	FW->7C
66.12	208.00	-43.00	47.84	1065.65	832.00	N	464.0	W	0.00	W	CL-SECTION
82.24	208.00	-43.00	59.63	1054.65	825.75	N	465.0	W	10.00	W	X-SECTION
95.95	207.00	-43.00	69.66	1045.30	820.44	N	465.0	W	1.50	E	DIP CHANGE
98.39	207.00	-43.00	71.45	1043.64	819.47	N	465.0	W	0.00	W	CL-SECTION
114.69	207.00	-43.00	83.37	1032.52	812.97	N	466.0	W	10.00	W	X-SECTION
126.40	0.00	0.00	91.93	1024.54	808.31	N	466.0	W	2.82	E	END OF HOLE

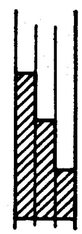
ERICKSON GOLD MINING CORP.

MINERALS SECTION

DRILL LOG

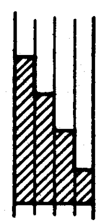
PROJECT Main Mine	GROUND ELEV. 1111.279 m
HOLE No. M90-742	BEARING 201.88 °
LOCATION N: 65,457.630 m E: 62,177.012 m.	DIP -44.3 ° TOTAL LENGTH 126.4 m
LOGGED BY S. Blower	HORIZONTAL PROJECT 91.930 m.
DATE Aug. 13/90	VERTICAL PROJECT -86.742 m.
CONTRACTOR D.J. Drilling CORE SIZE NQ	ALTERATION SCALE
DATE STARTED July 18, 1990 DATE COMPLETED July 21, 1990	
DIP TESTS	TOTAL SULPHIDE SCALE
COMMENTS	LEGEND

ALTERATION SCALE



absent
slight
moderate
intense

TOTAL SULPHIDE SCALE



traces only
< 1%
1% — 3%
3% — 10%
> 10%

DIP TESTS

	AZIM.	INCLIN.
65.5	208°	-43°
126.4	207°	-43°

COMMENTS

LEGEND

PAGE 2 OF 11	PROJECT: Main Mine	HOLE No. M90-742

DEPTH (METRES)	% Core Recy	LITHOLOGY	STRUCTURE		GEOLOGICAL DESCRIPTION	ALTERATION D A	G B	Si C	Se D	m E	FRACT INTENSITY	T	k
				0-16.7m.	Overburden								
		O/B		16.7-~~32.5~~ 33.9m	5Dd - Argillite.								
					Light grey to black, finely interbedded mudstones + siltstones, commonly siltstone clasts in a muddy matrix. Very limy & graphitic								
17					16.7-17.7m. moderately to intensely broken grey siltstone clasts (~20%) in a black, muddy matrix. Locally finely interbedded @ 70-80° TCA.. 1-2% pyrite throughout.								
		5Dd											
					17.7-22.0m. Weakly broken, intensely foliated, ‖ to bedding (?) @ 60-80° TCA.. 20% siltstone clasts in a muddy matrix. 1-2% pyrite throughout.								
21													
					22.0-25.2m. moderately broken, 10% flattened siltstone clasts in a muddy matrix define an intense foln. @ 60° TCA.. Graphitic slip planes common. (‖ to the foln.). 2-5% pyrite throughout.								
		5Dd			25.2-28.6m. Intensely foliated @ 50-60° T.C.A.. 20% siltstone clasts in a muddy matrix. 2-5% pyrite throughout.								
26													
			M		28.6-33.9m. Intensely broken rubble. No textures visible. Up to 50% graphite. Major fault zone. 2-5% pyrite								
28.6 33.9													
33		7L											

PAGE 3 OF 11	PROJECT: Main Mine	HOLE No. M90-742

MINERALIZATION DESCRIPTION	TOTAL SULPHIDE	INTERVAL	WIDTH	ASSAY NUMBER	% Au	% Ag	%			COMPOSITE ASSAYS
16.7 - 17.7m. 5Dd - 1-2% pyrite throughout as very fine dissem's. - <0.5% pyrite as coarse, euhedral dissem's.										
17.7 - 22.0m. 5Dd - 1-2% pyrite throughout as very fine dissem's.										
22.0 - 25.2m. 5Dd - 2-5% pyrite throughout as very fine dissem's. - up to 0.5% coarse, anhedral dissem's.										
25.2 - 28.6m. 5Dd - 2-5% pyrite throughout as very fine dissem's. - 1% pyrite as coarse dissem's + lenses up to 1cm. in dia.										
28.6 - ~~32.5~~ 33.9 m. 5Dd - 2-5% finely dissem. pyrite.										

PAGE 4 OF 11 | PROJECT: Main Mine | HOLE No. M90-742

DEPTH (METRES)	% Core Recy	LITHOLOGY	STRUCTURE	GEOLOGICAL DESCRIPTION		ALTERATION D A	G B	Si C	Se D	M E	FRACT INTENSITY	T	K
34		7b		33.9 - 37.5m.	7b (Listwanite).								
					33.9-34.7m.								
					Medium to dark grey, intensely foliated and broken. Major fault zone. One 10cm. qz str in the H.W. contact. (No visible sulphides.) oriented @ 60° TCA., ll to the foln. i-T, m-K altn.. No visible sulphides.								
35					34.7 - 37.5m. Light grey, moderately foliated @ 60° TCA.. i-T altn., m-K for the first 0.3 m. <0.5% pyrite + chromite.								
		7a		37.5 - 44.2m	7a (Listwanite)								
38					Mottled dark green, moderately foliated @ 40-60° TCA. Rare qtz strs <1cm. wide, 1 per 2 meters, ll to the foln.. No visible sulphides, <0.5% chromite. w-T altn. F.W. contact is gradational. White Talc-carb. veinlets 1-2mm wide, ll to the foln., 1-2 per cm.								
		7b		44.2 - 50.2m.	7b (Listwanite)								
45					Mottled medium to dark green, mod. foln @ 50-60° TCA.. White Talc-carb. veinlets <2mm wide, ll to the foln., ~1-2 per cm, sometimes rusty. mod. fault @ 46.0m. trace pyrite, <0.5% chromite. m-T altn.								
		5Ca		50.2-51.5m.	5Ca (Volcanics)								
51					Buff, fine grained, weak crackle bx.. 1-2mm wide qtz veinlets ~2 per meter, one								

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PAGE 5 OF 11	PROJECT: Main Mine	HOLE No. M90-742

MINERALIZATION DESCRIPTION	TOTAL SULPHIDE	INTERVAL	WIDTH	ASSAY NUMBER	%	%	%			COMPOSITE ASSAYS
33.9 - 34.7m. 7b										
- no visible sulphides.										
34.7 - 37.5m. 7b										
- <0.5% fine, dissem. pyrite										
- <0.5% fine, dissem. chromite.										
37.5 - 44.2m. 7a										
- no visible sulphides.										
- <0.5% dissem. chromite.										
44.2 - 50.2m. 7b										
- <0.5% chromite as fine dissem's.										
- trace pyrite as very fine dissem's.										
50.2 - 51.5m 5Ca										
- <0.5% pyrite as very fine dissem's. in one 2mm qtz veinlet.										

PAGE 6 OF 11	PROJECT: Main Mine	HOLE No. M90-742

DEPTH (METRES)	% Core Recy	LITHOLOGY	STRUCTURE		GEOLOGICAL DESCRIPTION	D A	G B	Si C	Se D	M E	FRACT INTENSITY	T	K
51		5Ca			5Ca (cont.								
					with 1% pyrite. i-D altn.								
		7c		51.5-52.6m.	7c (Listwanite)								
					Buff-grey, with green mariposite. Int. foll'd. @ 10-20° TCA.. m-Si, w-M altn.. One 1cm. qstr @ 30° TCA. 5% pyrite.								
52													
		5Ca		52.6-66.7m.	5Ca (Volcanics)								
					52.6-54.6m. Buff, fine grained, qtz veinlets 1-2mm wide, 3-4 per meter. i-D altn, <0.5% pyrite.								
					54.6-56.5m. Dark grey, fine grained, Qstrs 1-10mm wide, ~8 per meter. 2-5% pyrite, i-D altn.								
55													
					56.5-58.8m. Buff, fine grained, qtz strs 1-3mm wide, 3-5 per meter. i-D altn. <0.5% pyrite								
		5Ca			58.8-62.0m. Buff to med. grey, fine grained weak to moderately broken. Occasional qtz pieces spread throughout (~2%). (grey + white qtz with up to 1% pyrite.). Weak flte 59.7m + 59.9m. (with 3cm. of qtz in a pyrite (10%) matrix). i-D, w-K altn.								
59													
61													

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PAGE 7 OF 11	PROJECT: Main mine	HOLE No. M90-742

MINERALIZATION DESCRIPTION	TOTAL SULPHIDE	INTERVAL	WIDTH	ASSAY NUMBER	oz/ton Au	oz/ton Ag	ppb Au			COMPOSITE ASSAYS
51.5-52.6m. 7c		51.5-52.0	0.5	E23804	Geochem		11 ppb			
- 5% pyrite as fine dissem's.		52.0-52.6	0.6	E23805	Geochem.		13 ppb			
concentrated in bands ∥ to the										
foln.										
52.6-54.6m. 5Ca										
- <0.5% pyrite as fine										
dissem's.										
54.6-56.5m. 5Ca		54.6-55.1	0.5	E23806	Geochem.		12 ppb			
- 2-5% pyrite as very fine										
dissem's. + small stringers.										
56.5-58.8m. 5Ca										
- <0.5% pyrite as fine										
dissem's.										
58.8-62.0m. 5Ca										
- 58.8-59.3m: up to 0.5% py		58.8-59.3	0.5	E23754	tr	0.02				
as fine to med.-grained dissem's										
+ fracture fillings.										
- 59.3-59.8m: <0.5% py		59.3-59.8	0.5	E23755	tr	0.02				
as fine dissem's.										
- 59.8-60.3m: up to 0.5% py as		59.8-60.3	0.5	E23756	tr	0.02				
fine dissem's.; up to 0.5% py as										
med.-grained fracture fillings.										
one 3 cm. zone of qtz clasts in										
a 10% pyrite matrix.										
- 60.3-60.8m.: 0.5% py as fine		60.3-60.8	0.5	E23757	0.002	0.02				
dissem's. + as fracture fillings										

PAGE 8 OF 11	PROJECT: Main mine	HOLE No. M90-7?2

DEPTH (METRES)	% Core Recy	LITHOLOGY	STRUCTURE	GEOLOGICAL DESCRIPTION	ALTERATION D A	G B	Si C	Se D	M E	FRACT INTENSITY	T	K
61		5Ca		5Ca (cont.)								
62		5Ca		62.0 – 63.5 m. Buff to grey, fine grained, qtz veinlets 1-2mm wide, 5-10 per meter, @ 30-50° TCA.. Qtz sealed breccia from 63.3-63.5m, (weak fault @ 20° TCA..). i-D altn, 1% pyrite. A 2cm. wide qstr. occurs on the F.W. contact of the fault zone (+ is parallel to it). (grey + white qtz with < 0.5% pyrite).								
64				63.5 – 64.7m. Buff, banded, fine grained, qtz veinlets + lenses define the banding from 63.5 – 63.8m. (70° TCA). Qtz lenses < 1cm. wide, ~ 1 per 2cm. weakly broken, i-D altn., < 0.5% pyrite.								
		5Ca		64.7 – 66.7m. Light green to buff, moderate to intensely broken, w-D, m-K altn, possible fault zone, trace pyrite.								
66												
		5Cb	66.7 – 126.4m.	5Cb								
				Green to buff, fine grained mafic volcanics with common pillow + flow textures.								
70				66.7 – 70.1m. Light green, 10cm. of pillow bx. @ 69.6m. Qtz/calcite strs 1-10mm wide, 2-3 per meter @ all orientations, w-D, w-K								

PAGE 9 OF 11	PROJECT: Main Mine	HOLE No. M90-742

MINERALIZATION DESCRIPTION	TOTAL SULPHIDE	INTERVAL	WIDTH	ASSAY NUMBER	oz/ton Au	oz/ton Ag	ppb Au			COMPOSITE ASSAYS
60.8 - 61.3m: 0.5-1.0% pyrite as fine dissen's. + in < 1cm. wide qstrs.		60.8-61.3	0.5	E23758	0.002	0.02				
61.3 - 62.0m. 0.5% py as fine dissen's. + med. fracture fillings.		61.3-62.0	0.7	E23759	tr	0.02				
62.0-63.5m. 5Ca										
62.0-63.3m: 1% pyrite as fine grained dissen's., stringers, + clusters.		62.0-62.5	0.5	E23807	Geochem.		16	ppb		
63.3-63.5m: 1% pyrite as fine dissen's, rare in the 2cm. qstr.		63.3-63.5	0.2	E23808	Geochem.		40	ppb		
63.5-64.7m. 5Ca - < 0.5% pyrite as fine disseminations.		63.5-63.8	0.3	E23760	tr	0.02				
64.7-66.7m. 5Ca - trace pyrite as fine to coarse dissen's.										
66.7-70.1m. - trace fine, diss. pyrite.										

 PROJECT: Main Mine HOLE No. M90-742

DEPTH (METRES)	% Core Recy	LITHOLOGY	STRUCTURE	GEOLOGICAL DESCRIPTION	ALTERATION D A	G B	Si C	Se D	M E	FRACT INTENSITY	T	K
70				5C6 (cont.) alteration, trace pyrite.								
				70.1–71.1m. Buff to yellow, qtz veinlets 1-5 mm wide, ~1 per cm. @ all orientations, i-D altn., 5% pyrite, minor greenish chalcedony.								
71		5C6		71.1-83.6m. Dark green, weak chl. crackle bx., rare qstrs < 1cm. wide, ~ 1 per 3m, with 10 cm. m-D altn. haloes. Pillows common. Trace fine pyrite.								
				83.6–86.7m. Light green to brown, weak chl. crackle bx., w-D, w-K altn. trace pyrite								
84				86.7–91.0m. med. to dark green, fine grained; no visible sulphides.								
		5C6		91.0–92.3m. Buff to yellow, one 2cm. qstr @ 60° TCA.. Frequent qtz + qtz/chl.(?) veinlets 1-2 mm wide, (~1 per 2cm's.) @ all orientations, i-D altn, 3% pyrite.								
92				92.3–126.4m. Dark green, local weak crackle bx, rare qstrs < 1cm. wide, ~1 per 5 meters. No visible sulphides.								
		E.O.H.		E.O.H. @ 126.4m.								

 PROJECT: Mah Mine HOLE No. M90-742

MINERALIZATION DESCRIPTION	TOTAL SULPHIDE	INTERVAL	WIDTH	ASSAY NUMBER	oz/t Au	oz/t Ag	%			COMPOSITE ASSAYS
70.1-71.1m. 5C6		70.1-70.6	0.5	E23761	tr	0.02				
- 5% pyrite as fine dissem's, stringers, + clusters up to 2cm wide, dominantly in the volcanics, minor amounts in the qstrs.		70.6-71.1	0.5	E23762	tr	0.02				
76.1-83.6m. 5C6 - trace fine pyrite.										
83.6-86.7m. 5C6 - trace fine pyrite.										
86.7-91.0m. 5C6 - no visible sulphides.										
91.0-92.3m. 5C6		91.0-91.7	0.7	E23763	tr	0.02				
- 3% pyrite as fine dissem's, clusters + stringers in the volcanics + qtz.		91.7-92.3	0.6	E23764	tr	0.02				

PAGE	OF	PROJECT: Main Mine	HOLE No. M90-742

DEPTH (METRES)	% Core Recy	LITHOLOGY	STRUCTURE	GEOLOGICAL DESCRIPTION	ALTERATION A	B	C	D	E	FRACT INTENSITY
				E.O.H. @ 126.4m.						

atlas • 255-8444

ERICKSON GOLD MINING CORP.

MINERALS SECTION

DRILL LOG

PROJECT
MAIN MINE

GROUND ELEV.
1104.396

HOLE No.
M 90 - 743

BEARING
181° 43'

LOCATION
65493.098 N
62 115.290 E

DIP
-57° 56'

TOTAL LENGTH
132.2 m (433.6 ft)

LOGGED BY
L. MORTIMER

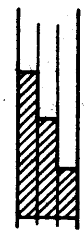
HORIZONTAL PROJECT

DATE
AUGUST 13/90.

VERTICAL PROJECT

CONTRACTOR
D. J. DRILLING

ALTERATION SCALE



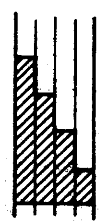
absent
slight
moderate
intense

CORE SIZE
NQ

DATE STARTED
July 22/90

DATE COMPLETED
July 24/90

TOTAL SULPHIDE SCALE



traces only
< 1%
1% — 3%
3% — 10%
> 10%

DIP TESTS

	DIP	AZ
132.2m (424 ft)	-63.0°	182.0°

COMMENTS

No noted intersection.

STEP BACK ON M90-742.

LEGEND

PAGE 2 OF 8 PROJECT: MAIN MINE HOLE No. M90-743

DEPTH (METRES)	% Core Recy	LITHOLOGY	STRUCTURE	GEOLOGICAL DESCRIPTION		ALTERATION D A	G B	Si C	Se D	M E	FRACT INTENSITY	T	K
0				0 - 15.2	OVERBURDEN								
		OVB		15.2-38.7	ARGILLITE Dk. grey to black - majority mudstones with siltstone clasts generally flattened + contorted ≈⊥ to C.A occasional pyrite flooding of silty clasts.								
20					35.3 - 38.7 a few qtz/c. veinlets, clots and stockworking as contact ē list. approaches.								
		5Dd		38.7-39.5	LISTWANITE 7b Med. grey. well foliated ≈ ⊥ to C.A., few carbonate veinlets ≈ 1mm throughout iT, mG								
40		7b		39.5 - 49.1	LISTWANITE 7a Med - dk. green, well foliated ≈⊥ to C.A. Serpentine clots throughout Numerous qtz veinlets avg 1mm most of them // foliation few Xcut Numerous carbonate veinlets 1-2mm Xcut fol. @ 41.9 2cm elliptical clast of 7b flattened ē foliation localized fragments up to 3cm of either Argillite or 7b-graphitic 47.9 - 49.1 Transition zone List becomes light grey ē serpentine veinlets, foliation @ ≈ 45° to C-A. Dolomite veinlets								
50		7a											

(cont'd)

PAGE 3 OF | PROJECT: MAIN MINE | HOLE No. M90 743

MINERALIZATION DESCRIPTION	TOTAL SULPHIDE	INTERVAL	WIDTH	ASSAY NUMBER	%	%	%			COMPOSITE ASSAYS
38.7 - 39.5 Tb-Tr py, dissemin. throughout <1%										
39.5 - 41.9 Ta-Tr py, fn.-gr. scattered throughout, esp. veinlets along foliation										

PAGE 4 OF 8	PROJECT: MAIN MINE	HOLE No. M90 743

DEPTH (METRES)	% Core Recy	LITHOLOGY	STRUCTURE		GEOLOGICAL DESCRIPTION
50		5Cb		49.1 - 50.05	LISTWANITE 7c Light green-buff in color moderate foliation @ 60° to C.A. Dolomite veinlets throughout often networking w chl./carb. veinlets Mariposite veinlets & clots (m-M) Chromite as sub to euhedral crystals 1%
				50.5 - 132.?	Volcanics 5Ca light green to buff in color, massive moderately Xcut w chl/carbonate veinlets. moderate to locally intense Dol. alt. few qtz/carb clots & stockworks < 2cm wide ass. w int D alt & m G alt.
			splayed fault		53.6 - 53.9 m Fault Gouge c int K alt min, some qtz/carb clots.
60					59.1 - 59.7 Fault Gouge c (middle portion relatively adherent rock) otherwise, int K, int D. qtz/carb veinlets <2cm barren, throughout.
					59.7 - 60.7 int dol alt.
					60.7 - 61.0 qtz/m.carb stkwk/breccia iD, wG, w-mK, no noted sulphides
					67.6 - 69.3 Int D alt. w mG veinlets throughout, v.fn.gr. py blotches & veinlets up to 20%, localized m T alt.
70					69.3 - 78.8 unaltered 5Ca chl/carb/± qtz veinlets throughout.

ALTERATION: D (A), G (B), Si (C), Se (D), M (E); FRACT INTENSITY; T; K

PAGE 5 OF | PROJECT: MAIN MINE | HOLE No. M90 7#3.

MINERALIZATION DESCRIPTION	TOTAL SULPHIDE	INTERVAL	WIDTH	ASSAY NUMBER	~~%~~ oz/ton Au	~~%~~ oz/ton Ag	%			COMPOSITE ASSAYS
60.7 - 61.0 Qtz/m.carb stkwk./ breccia iP mK wG	⊕		0.3	23651	<.002	<.02				
67.3 - 69.3 v. fn gr. locally massive pyrite in blotches + veinlets <2mm wide., 3%										
69.3 - 78.8 fn. gr. py in veinlets and patches throughout. 2%										

PAGE 6 OF 8	PROJECT: MAIN MINE	HOLE No. M-90 743

DEPTH (METRES)	% Core Recy	LITHOLOGY	STRUCTURE	GEOLOGICAL DESCRIPTION	ALTERATION A (D)	B (G)	C (Si)	D (Se)	E (M)	FRACT INTENSITY	T	K
70				5Ca Volcanics (cont'd)								
				78.8 - 79.0 Moderate Fault Gouge iit K, wG, iD,								
				79.0 - 81.1 mD, few qtz-carb/chl. veinlets, minor py on fracture pl.								
				81.1 - 81.15 mod. shear pl. @ 30° to C.A int chl, T, G, D on surface								
				81.15 - 88.0 med. grey-grn., unaltered, localized chl/qtz/carb clotting + veinlets some pyrite blebs throughout.								
				88.0 - 88.1 fault gouge (moderate) m-D, m-i K, few qtz/carb veinlets								
			m	88.3 - 90.2 m-i D alt. py < 4% v. fn.gr. disseminated throughout qtz/carb veinlet ≈ // to C.A 1cm wide iK, iG, iD								
80												
				90.2 - 90.8 iD iK, m-i G.								
				90.8 - 91.7 mD, iK, wG, qtz/carb/chl. veinlets throughout.								
				91.7 - 91.75 fault gouge w-m								
			m	91.75 - 93.4 mD, iK, wG, qtz/carb/chl veinlets throughout								
90												
			w-m	93.4 - 121.7 relatively unaltered pervasive wD, qtz/carb/chl clots & few veinlets < 1cm wide py < 1% finely disseminated throut								
				116.4 - 116.5 Weak fault gouge w some qtz/carb, iK, wG clotting.								
100												

PAGE 7 OF | PROJECT: MAIN MINE | HOLE No. M90-743

MINERALIZATION DESCRIPTION	TOTAL SULPHIDE	INTERVAL	WIDTH	ASSAY NUMBER	~~%~~ oz/ton Au	~~%~~ oz/ton Ag	%			COMPOSITE ASSAYS
90.0-90.1-1ca qtz/carb veinlet v. fn. gr. py in veinlets <1%			0.1	23652	<0.002	<0.02				

PAGE 8 OF 8 | PROJECT: MAIN MINE | HOLE No. M90 743

DEPTH (METRES)	% Core Recy	LITHOLOGY	STRUCTURE	GEOLOGICAL DESCRIPTION	ALTERATION D (A)	G (B)	Si (C)	Se (D)	M (E)	FRACT INTENSITY	T	x
100				VOLCANICS 5Cb (cont'd)								
				121.7-132.2 mD light grey.								
				few qtz/carb/chl veinlets & clots throut								
				121.8-121.9 moderate fault gouge								
				no noted sulphides								
120												
130		5Cb										
		132.2 EOH										

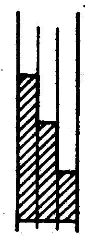
ERICKSON GOLD MINING CORP.

MINERALS SECTION

DRILL LOG

PROJECT MAIN MINE	**GROUND ELEV.** 1,180.935
HOLE No. M90-744	**BEARING** 153° 47'
LOCATION 65049.188 N 62070.100 E	**DIP** -41° 49'
	TOTAL LENGTH 139.3 m
LOGGED BY L. MORTIMER	**HORIZONTAL PROJECT**
DATE AUGUST 23/90	**VERTICAL PROJECT**
CONTRACTOR D.J. DRILLING	**ALTERATION SCALE**
CORE SIZE NQ	
DATE STARTED July 25/90	
DATE COMPLETED July 29/90.	**TOTAL SULPHIDE SCALE**

ALTERATION SCALE



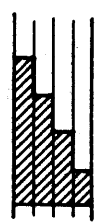
absent

slight

moderate

intense

TOTAL SULPHIDE SCALE



traces only

< 1%

1% – 3%

3% – 10%

> 10%

DIP TESTS

	Dip	Az
45.7 m	-42.5	152°
139.3 m	-48.0	160°

COMMENTS

PROJECTION OF SANDY VN (RES. HIGH)

LEGEND

PAGE 2 OF 6 | PROJECT: MAIN MINE | HOLE No. M90 744

DEPTH (METRES)	% Core Recy	LITHOLOGY	STRUCTURE	GEOLOGICAL DESCRIPTION		ALTERATION D A	G B	Si C	Se D	M E	FRACT INTENSITY	T	K
0				0-16.1	OVERBURDEN								
				16.1-80.1	VOLCANICS 5Ca								
		OVB			16.1-21.9 lt grey to buff, aplanitic c D, m K intensely fractured + limonite stained								
15					21.9-32.9 med green, moderately foliated w local chaotic foliation. qtz/carb / (50/50) chlorite veinlets + networking								
					32.9-33.1 moderate shear zone w increased grain size to fn-med.								
					40.1-40.2 Drusy Qtz/Calcite Veinlet (open sp. filling) lrg. clear xtls of $CaCO_3$, pyritic selvages w c G alt^n m-c K (ss cbts)								
30					41.0-41.3 Qtz/carb veinlet-shear no pyrite.								
					46.1-46.15 Qtz/carb veinlet, grey-wht. qtz 60%, Calcite 30%, graphite stylolites @50° to C.A.								
		5Ca			46.15-58.9 fine grained massive w qtz/carb/chl/± epidote veinlets <2mm wide throughout 1/10 cm								
45					58.9-59.6 Shear Zone // 20° to C.A c chlorite, c K qtz/carb veinlets throughout generally // to 20° to C.A., pyrite smears on fr. pl. @ 45°								
					62.4-63.1 Shear Zone as above w no qtz/carb veinlets								
60													

PAGE 3 OF 6 | PROJECT: MAIN MINE | HOLE No. M90-744

MINERALIZATION DESCRIPTION	TOTAL SULPHIDE	INTERVAL	WIDTH	ASSAY NUMBER	%	%	%			COMPOSITE ASSAYS

PAGE 4 OF 6	PROJECT: MAIN MINE	HOLE No. M90 744

DEPTH (METRES)	% Core Recy	LITHOLOGY	STRUCTURE		GEOLOGICAL DESCRIPTION	D (A)	G (B)	Si (C)	Se (D)	M (E)	FRACT INTENSITY	T	K
60					VOLCANICS (cont'd)								
					70.5-70.55 Qtz/carb stringer 5cm wide @ 45° to C.A, mD @ selvages. py <1% tiny euhedral Xtls <1mm wide.								
		5Ca											
					72.7-74.4 mD, mK, qtz/carb veinlets avg. 0.5cm wide // C.A (grey qtz) (some chalcedony, -blue). Dolomite veinlets								
65													
					74.4-74.6 iK								
					74.6-80.1 mK w clots (aqua blue) up to 2mm. <2%, iD. qtz/chlorite/carb. veinlets throughout.								
70				80.1 - 139.3	CHERT 5Ce								
		5Ca			upper contact is qtz/carb flooded iD massive pyrite brecciated volcanics. some w. Se? alt. frags. Some rusty drusy qtz. local clay clots pyrite 49%. qtz frags 20%. volcanic frags 30%. tetrahedrite masses of fin gr. tetr. <1% up to 1cm long 2mm wide.								
75					Chert body: Mod to dk. grey black moderate graphite alt. tuffaceous beds @ 35° to C.A, fract. // to lam. decreasing G alt to end of zone moderate qtz/carb veinlets, chaotically oriented								
					83.5 - 104.6 tuff. beds cease ~ cb is moderate.								
					97.2-97.7 sand + drill mud w pebbles of various volcanic origin + qtz pebbles.								
80													

We are sure that it is a bad joke

PAGE 5 OF 6	PROJECT: MAIN MINE	HOLE No. M90 744

MINERALIZATION DESCRIPTION	TOTAL SULPHIDE	INTERVAL	WIDTH (m)	ASSAY NUMBER	~~%~~ oz/ton Au	~~%~~ oz/ton Ag	%			COMPOSITE ASSAYS
80.1 - 80.2 Pyrite flooded volcanic breccia, volcanics 30% massive fn. gr. pyrite 50%, qtz frags (rounded) 20%			0.1	23905	<0.002	<0.02				

PAGE 6 OF 6	PROJECT: MAIN MINE	HOLE No. M90 744

DEPTH (METRES)	% Core Recy	LITHOLOGY	STRUCTURE	GEOLOGICAL DESCRIPTION	D A	G B	Si C	Se D	M E	FRACT INTENSITY	T	K
80		5Ce	5% py	CHERT 5Ce (cont'd) grading in and out of tuffaceous chert beds @ ∠45 to C.A. into very convoluted + chaotic tuff beds. mod.-locally intense c.b. clasts. veinlets of qtz/carb <2mm throughout py <1% finely diss. throughout 104.6-106.6 lt. greenish-grey icb.								
100			m	106.6-106.8 m/fracture zone. 108.0-108.4 m/fracture zone 108.4-115.4 Fn. gr. thinly laminated tuffaceous beds iD alt. avg. <2mm wide @ 45° to C.A. Sulphides: py <2% fn. gr. recrystall. in euhedral gr. up to 2mm. + anhedral masses throughout. cpy noted occasionally <½% fn.gr.								
120				115.4 → a surface texture on core that looks like fish scales, silica weathered out in ridge like structures. 119.7-120.1 Tuffaceous beds are light grn to grey ū localized iD alt. tuff beds 4/10cm grading into massive lt.green ū <1% fn.gr.py.								
140		EOH 139.3 m		120.1-137.5 icb, ū localized tuffaceous beds iD altered generally 30-45° to C.A., localized massive lt.green grey generally <1m wide few iD altered veinlets <1mm wide throughout. 137.5-139.3 pervasive graphite ū K alt. veinlet networking, some tuff beds ⊥ to C.A.								

ERICKSON GOLD MINING CORP.

MINERALS SECTION

DRILL LOG

PROJECT
MAIN MINE

HOLE No.
M90 - 745

LOCATION
N 65,212.055
E 62,070.100

LOGGED BY
D. Ball

DATE
Aug 24 | 90

CONTRACTOR
D. J. Drilling

CORE SIZE
B. Q

DATE STARTED
July 29/90

DATE COMPLETED
Aug 1 | 90

DIP TESTS

Depth	Azi	Dip
44.2	176°	-43
117.8	177°	-40

COMMENTS

GROUND ELEV.
1153.454

BEARING
174.26

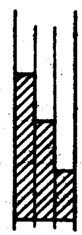
DIP
-44.36

TOTAL LENGTH
117.8

HORIZONTAL PROJECT

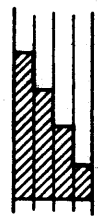
VERTICAL PROJECT

ALTERATION SCALE



absent
slight
moderate
intense

TOTAL SULPHIDE SCALE



traces only
< 1%
1% – 3%
3% – 10%
> 10%

LEGEND

PAGE 1	OF 9	PROJECT: Main Mine	HOLE No. M90-745

DEPTH (METRES)	% Core Recy	LITHOLOGY	STRUCTURE		GEOLOGICAL DESCRIPTION	ALTERATION D A	G B	Si C	Se D	M E	FRACT INTENSITY	T	K
		O/B		0-10.4	O/B a few pebbles								
10		5Cb		10.4-13.7	Volcanics MED grN, MED grain, chl alt ῶ chl in fract. Qz stringers 1-3 mm @ 30° TCA, Rusty, limonite stained, weathered, on fract surface & in veinlets, core is mod to well bkn, veinlets are vuggy								
15		7a (7b)		13.7-17.6	LISTWANITE DK green, locally K alt, & V. bkN, well foliated with fol. ∠ 40° TCA. minor calcite in 1mm strs. T gradually increases towards lower contact ῶ 7b. upper & lower contact are bkn core, limonite staining along fol. & fract surface								
20		7b		17.6-20.3	LISTWANITE Talc alt, well fol, med grey, fol ≈ 45° TCA, calcite carb strs 1-2mm thick, along foliation, rock mod bkn w-G, w Chl & ep. lower contact 45° TCA.								
		5Ca		20.3-20.7	Volcanic M-Green, m-Sil, massive, MED grain, Fol. ῶ 1-2mm calcite veinlets white Druzy Qz matrix, volc ῶ lular clasts								
21		7a											

PAGE 2 OF 9	PROJECT: Main Mine	HOLE No. M 90-745

MINERALIZATION DESCRIPTION	TOTAL SULPHIDE	INTERVAL	WIDTH	ASSAY NUMBER	%	%	%			COMPOSITE ASSAYS
		10								
		15								
		20								
		21								

PAGE 2 OF 9 | PROJECT: Main Mine | HOLE No. M90-745

MINERALIZATION DESCRIPTION	TOTAL SULPHIDE	INTERVAL	WIDTH	ASSAY NUMBER	%	%	%			COMPOSITE ASSAYS
		10								
		15								
		20								
		21								

PAGE 3 OF 9	PROJECT: MAIN MINE	HOLE No. M90-745

DEPTH (METRES)	% Core Recy	LITHOLOGY	STRUCTURE		GEOLOGICAL DESCRIPTION	ALTERATION D A	G B	Si C	Se D	M E	FRACT INTENSITY	T	K
		7A		20.7-27.7	Listwanite Serpentinite, DK green locally - foliated, chl. ep alt; fol angle = 65°TCA calcite stringers, 1-2mm numerous ∠'s, limonite stained on fract. - no orientation of contact measurable								
25		7b		27.7-30	Listwanite Pale - med grey fairly massive c̄ clasts of volc mixed in at 28.7 -29 m minor Qz & carb veinlets fract filling on fract c̄ various ∠'s core is slightly broken Dominant ∠ is 65°TCA - No orientation of contact is measurable								
30		7c		30- 33.9	Listwanite Qz carb alt c̄ MARIPOSITE thru core, limonite stained well-fol. 70°TCA contorted Qz carb stringers core is moderately broken & weathered								
		7a/7c		33.9-34.5	LISTWANITE Well foliated serpentinite inter layered, w. Malso Qz carb layers white Qz carb vuggy fract. some w-K								
34				34.5-50.5	Volcanic Med green Med grain. w-D alt Qz, chl. py - form fract filling limonite staining on fract- chl. @ 39.5, 1-3 mm pods pale green KT								
40													

PAGE 4 OF 9 | PROJECT: Main Mine | HOLE No. M90-745

MINERALIZATION DESCRIPTION	TOTAL SULPHIDE	INTERVAL	WIDTH	ASSAY NUMBER	%	%	%			COMPOSITE ASSAYS
		25								
		30								
		34								
Py V.F.G. [ ] in fract forming v. thin bands, some fract have Qz										
		40								

PAGE 5 OF 9	PROJECT: Main Mine	HOLE No. M90-745

DEPTH (METRES)	% Core Recy	LITHOLOGY	STRUCTURE		GEOLOGICAL DESCRIPTION	ALTERATION D A	G B	Si C	Se D	M E	FRACT INTENSITY	T	K
					fract oriented ≈ 50° TCA MOD bKN core								
50				50.5-51.2	Volcanics TAN, L-D, M-CB, W-G in fract., MED grain, T & K pods of pale green MIN., local [ ] G, white Qz later stage has py ASSOC., MOD bKN core avg fract ∠. 65° TCA								
51		5Ca			Chert GREY, MASSIVE, well fract. chert G on fract. surfaces, py also as well as D, fract. 120 x 60 orientation to each other JT set, ORIENTED 25° & 20° T.C.A. py conc. in fract. forms thin bands assoc. w̄ white Qz, MOD to well bkn core, avg fract. ∠ ≈ 25° T.C.A. & 65° T.C.A. Chert Develops green color 54 to 55.9 m.								
55	78%		bKN										
		5Ca D + 5Cf BX A D D	~	56.4-57.9	B.X m GREY, L-D alt volc clasts & grey rextalized chert w̄ i-CB in graphitic matrix								
60													

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 PROJECT: Main Mine HOLE No. C90-745

MINERALIZATION DESCRIPTION	TOTAL SULPHIDE	INTERVAL	WIDTH	ASSAY NUMBER	oz/ton Au	oz/ton Ag	%			COMPOSITE ASSAYS
		50								
PY - VFG, [ ] in veinlets, forms thin selvage at edge of vein & thin veinlets in stes										
		51								
py - blebs of py localized in Qz ste @ 56.4										
		55								
Massive f.g. py [ ] in fract, thin bands form on fract. Network Text.			1.7	23904	<0.002	<0.02				
		60								

PAGE 7 OF 9	PROJECT: Main Mine	HOLE No. 90-745

DEPTH (METRES)	% Core Recy	LITHOLOGY	STRUCTURE		GEOLOGICAL DESCRIPTION	ALTERATION D A	G B	Si C	Se D	M E	FRACT INTENSITY	T	K
		5Ca / 5CA		57.9-61.2	Chert/Volc Interbedded, grey chert & volc., i-CB, beds 80°TCA m-G, limonite staining on fract., Dol stringer, 1-15 mm STRS 25° TCA								
		5Ca		61.1-63.4	Volcanic Pale green, fine grain, massive, lower contact 25°TCA upper contact 65° TCA, white Qz 1 m to 4 cm, some carb in vein, vuggy.								
		5CA		63.4-74.5	Chert Grey w̄ dark bands - ribbon chert, locally green bands from 71.4 to 74.5, i-CB grades to wk, near end of section i.CB., Qz-carb STRS from 70.4 to 70.8, white, vuggy w̄ Druzy Qz, limonite staining								

PAGE 8 OF 9 | PROJECT: Main Mine | HOLE No. M90-745

MINERALIZATION DESCRIPTION	TOTAL SULPHIDE	INTERVAL	WIDTH	ASSAY NUMBER	%	%	%			COMPOSITE ASSAYS

PAGE 9 OF 9	PROJECT: Mairo	HOLE No. 90-745

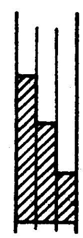
DEPTH (METRES)	% Core Recy	LITHOLOGY	STRUCTURE		GEOLOGICAL DESCRIPTION	ALTERATION D A	ς B	Si C	Se D	M E	FRACT INTENSITY	T	K
		5Ca		74.5-77.1	Volcanic pale green, MED grain, MASSIVE c̄ i-c.B., chl in fract., LIMONITE STAINED, MOD broken core, dominant fract ∠50° TCA, minor 1mm CALCITE fract. filling								
77		5Cd		77.1-112.4	Argillite Black, arillite w̄ grey SILTY beds, fairly irreg, minor calcite STRINGERS, 1MM calcite infilling on fract., MOD bkn, silty beds are irreg bed & contorted mod fract, generally oriented ∠50° TCA.								
80													
100		5CP		112.4-117.7	Chert DK grey, pervasive G, w-C.B. weak fol (locally), fol - irreg & contorted white Qz Strs .1-1cm at various ∠'s, pervasive G & G in fract, carb selvage in Qz stringers, irreg blebs of Py in Qz strs & w̄ G in fract.								
120													

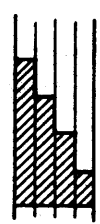
ERICKSON GOLD MINING CORP.

MINERALS SECTION

DRILL LOG

PROJECT MAIN MINE	GROUND ELEV. 1,331.106 m
HOLE No. M90-746	BEARING 169° 08'
LOCATION 64594.965 N 62 143.139 E	DIP -49° 25' TOTAL LENGTH 99.4 m (326 ft)
LOGGED BY L MORTIMER	HORIZONTAL PROJECT
DATE Aug/24/90	VERTICAL PROJECT
CONTRACTOR DJ DRILLING CORE SIZE NQ DATE STARTED Aug/2/90 DATE COMPLETED Aug/4/90	ALTERATION SCALE absent slight moderate intense
DIP TESTS: DIP AZ @ 99.4 m -52° 177°	TOTAL SULPHIDE SCALE traces only < 1% 1% – 3% 3% – 10% > 10%
COMMENTS	LEGEND





 PROJECT: MAIN MINE HOLE No. M90 746.

DEPTH (METRES)	% Core Recy	LITHOLOGY	STRUCTURE	GEOLOGICAL DESCRIPTION		ALTERATION D A	G B	Si C	Se D	M E	FRACT INTENSITY	T	K
0				0-12.8	OVERBURDEN								
				12.8-14.9	CHERT 5Ce lt. grey to rusty in color. i ch., intense limonite staining on fr. pl localized dolomite veinlets & flecks Pyrite as v. fn. gr. masses up to 1cm thick. As lower contact approaches increased Si content (rock appears whitish grey)								
		5Ce		14.9-15.7	VOLCANICS 5Ca lt. green-grey, aphanitic iD, m i K, qtz/carb veinlets & clots throughout. <10%, pyritic veinlets <2mm wide throughout.								
15		5Ca											
		7b	m	15.7-17.8	LISTWANITE 7b buff-grey, intensely foliated 70-⊥ to C.A. iT, iD, wK 16.3-16.4 intense K alt. 16.7-17.0 m fault, mK. magnetite as subhedral grains <1% throughout.								
		5Ca		17.8-29.4	VOLCANICS 5Ca light greenish-grey, moderately foliated avg. 70-⊥ to C.A iT, iD, mK 20.3-22.5 T alt. decreases to w. chlorite qtz/carb vnlts throughout.								
30		5Ce											

PAGE 3 OF 9	PROJECT: MAIN MINE									HOLE No. M90 746
MINERALIZATION DESCRIPTION	TOTAL SULPHIDE	INTERVAL	WIDTH	ASSAY NUMBER	%	%	%			COMPOSITE ASSAYS

PAGE 4 OF 9 | PROJECT: MAIN MINE | HOLE No. M90-746

DEPTH (METRES)	% Core Recy	LITHOLOGY	STRUCTURE		GEOLOGICAL DESCRIPTION	ALTERATION D (A)	G (B)	Si (C)	Se (D)	M (E)	FRACT INTENSITY	T	K
30		5Ce			VOLCANICS (cont'd)								
					22.5-23.1 iK alt (mushy core)								
					23.1-29.4 iD, mK, grey qtz veinlets avg. 1mm wide, Pyrolusite staining on fracture planes. white clay clots up to 1cm × 3cm scattered thru-out. Locally quite vuggy								
				29.4-30.4	CHERT 5Ce								
32					lt. to med. grey, locally grey-wht. qtz veinlets are moderate. Small tuff beds are randomly distr. and are iD alt. @ various ∢'s to C.A								
		5Ce		30.4-36.5	VOLCANICS 5Ca								
					lt. grey-green. aphanitic. extensely vuggy w drusy calcite + limonite Qtz (white) / carb clots + veinlets dolomite / chl / qtz mD, mK								
34													
					35.7-36.5 iD, wG, mK pyrite in fn gr. cubes up to 2mm wide. <2%								
				36.5-36.8	QUARTZ/MINOR CARBONATE VEIN. SNOWY WHITE w few limonitic veinlets & some (5%) volcanic (iD) fragments few graphite veinlets associated w cntcs. pyrite <2% near cntcs.								
36					Qtz 85%. dolomite 7% Vol. frag 6%. pyrite 1-2%. graphite 1%.								
		QC VEIN											
		5Ca		36.8-53.1	VOLCANICS 5Ca								
					36.8-37.6 iD, mK, wG. pyrite 5% fn.gr. euhedral cubes up to 2mm + anhedral masses up to 3mm								
38													

PAGE 5 OF 9 | PROJECT: MAIN MINE | HOLE No. M90 746

MINERALIZATION DESCRIPTION	TOTAL SULPHIDE	INTERVAL	WIDTH	ASSAY NUMBER	% oz/ton Au	% Ag	%			COMPOSITE ASSAYS
36.5 - 36.8 Qtz/carb vein see geol descrip.			0.3	23906	0.006	<0.02				

PAGE 6 OF 9	PROJECT: MAIN MINE	HOLE No. M90 746

DEPTH (METRES)	% Core Recy	LITHOLOGY	STRUCTURE		GEOLOGICAL DESCRIPTION
38		5Ca			VOLCANICS 5Ca (cont'd)
					37.6 - 41.0 med. grn. aphanitic mD, mK. limonite intense on fr. pl. foliation increases towards end of unit to moderate @ 45° to C.A.
					41.0 - 43.1 lt. grey, iD, wG limonite stain throughout fr. qtz/graphite/pyrite veinlets.
					43.1 - 52.7 med. green, well foliated, w-mD, wK (as clots up to 2mm) limonitic staining locally intense.
					45.2 - 45.5 m-i shearing @ 55° to C.A. w. K qtz
					52.7 - 53.1 iD, i limonite staining wG. pyrite as fn. gr. cubes up to 3mm.
45					
				53.1 - 54.0	QUARTZ VEIN white qtz 75%, volcanic frags 19% i alt. limonite/dolomite veinlets 5%, talc 3% <1% py. very little noted (1-2 speck) -no structure noted as core was already split upon logging
52.5		QV			
				54.0 - 99.4	VOLCANICS 5Ca
					54.0 - 55.0 iD, iG (locally), py 3-5% as fn. gr. cubes up to 2mm
		5Ca			55.0 - 63.6 m-local i D, m-local i G local iK (white) veinlets + pervasive.
60					

Alteration columns: D (A), G (B), Si (C), Se (D), M (E); FRACT INTENSITY; T; K

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PROJECT: MAIN MINE

HOLE No. M90 746

MINERALIZATION DESCRIPTION	TOTAL SULPHIDE	INTERVAL	WIDTH	ASSAY NUMBER	% oz/ton Au	% Ag	%			COMPOSITE ASSAYS
53.1-54.0 QUARTZ VEIN			0.9	23907	0.117	<0.02				
wht. qtz 75% volcanic frag. 18% (i.e. H).										
limonite / dolomite veinlets 5%										
talc 3%, <1% py very little noted										
(1-2. specks)										

PAGE 8 OF 9 PROJECT: MAIN MINE HOLE No. M90 746

DEPTH (METRES)	% Core Recy	LITHOLOGY	STRUCTURE	GEOLOGICAL DESCRIPTION	ALTERATION D A	G B	Si C	Se D	M E	FRACT INTENSITY	T	K
60	80%			VOLCANICS (cont'd)								
				63.6 - 64.6 iK alt. rubbly core								
				64.6 - 73.2 med grn. aphanitic, qtz/carb/chl/ ± epidote veinlets <2mm + veinlet networking + patches thruout. localized larger qtz/carb/graphitic stringers 5cm wide c minor py <1%.								
70				73.2 - 73.4 iK alt. pervasive.								
				73.4 - 96.1 med. grn. aphanitic qtz/carb/chl/±epidote veinlets < 2mm, networking and clothing localized intense cb, (graphite + chlorite) localized clay altered veinlets some c dolomite veinlets interspersed								
80		5Ca										
				92.1 - 92.7 silica flooded iD alt. 5Ca Dolomitic veinlets, moderate limonite staining pyrite 5% as fn. grained euhedral masses ~ cubes qtz 80%, dolomite.								
				92.7 - 96.2 iD, w-m M, i cb, 5% pyrite as anhedral masses up to 2cm + fn.gr. euhedral cubes avg. 1mm. localized qtz/carb/graphite veinlets + flooding avg 2cm wide @ various ∢'s to C.A.								
90			Si flood py 5%									
				96.2 - 99.4 med green, w-m D local qtz/carb/ep/chl. networking								
100		EOH 99.4m										

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 PROJECT: MAIN MINE HOLE No. M90 746

MINERALIZATION DESCRIPTION	TOTAL SULPHIDE	INTERVAL	WIDTH	ASSAY NUMBER	~~%~~ oz/ Au	~~%~~ ton Ag	%			COMPOSITE ASSAYS
92.1-92.7 Qtz flooded c Dati. Sla. pyrite 5% as fn.gr. euh. masses. ~ cubes.			0.6	23908	0.012	0.02				
pyrite as fn.gr. anhedral masses up to 2cm ~ as fn.gr. cubes avg 1mm										

PAGE OF	PROJECT:	HOLE No.

DEPTH (METRES)	% Core Recy	LITHOLOGY	STRUCTURE	GEOLOGICAL DESCRIPTION	ALTERATION A	B	C	D	E	FRACT INTENSITY		

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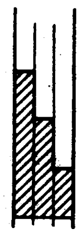
MINERALS SECTION

DRILL LOG

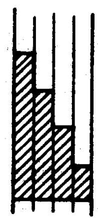
PROJECT Main	**GROUND ELEV.** 1332.361
HOLE No. M90-747	**BEARING** 173° 18'
LOCATION N 64,627.718 E 62,193.214	**DIP** 44.54
	TOTAL LENGTH 107.3
LOGGED BY D. Ball	**HORIZONTAL PROJECT**
DATE Aug 27/90	**VERTICAL PROJECT**
CONTRACTOR D.J. Drilling	**ALTERATION SCALE**
CORE SIZE BQ	
DATE STARTED Aug 5/90	
DATE COMPLETED Aug 6/90	**TOTAL SULPHIDE SCALE**
DIP TESTS	

ALTERATION SCALE



absent
slight
moderate
intense

TOTAL SULPHIDE SCALE



traces only
< 1%
1% – 3%
3% – 10%
> 10%

DIP TESTS

Dir	Az	Dip
107.3	173°18'	46.2

COMMENTS

LEGEND

PROJECT: Main

HOLE No. M90-747

DEPTH (METRES)	% Core Recy	LITHOLOGY	STRUCTURE		GEOLOGICAL DESCRIPTION	ALTERATION D A	G B	Si C	Se D	M E	FRACT INTENSITY	T	K
		O/b		0 - 13.1	O.B.								
				13.1 - 14.6	Chert								
					MED GREY w 1-C.B., m-G								
					limonite in fract., lower contact								
					30° TCA core broken 13.7-14.0								
					vuggy - Druzy Qz with limonite								
15					staining @ 14.3. Major fract L								
					30° & 50°; w-Si								
				14.6 - 17.1	Volcanic								
		5Ca			Pale green fine grain, Quite								
					broken, m-K, & m-D alt, fract								
					c̄ G in fract. flt - 10cm at								
					17.1 M core is Quite weathered								
					soft, w-G, w-si, occ grey								
					daizy Qz. veinlet. - Mch alt								
17													
		7c		17.1 - 20.1	Listwanite								
					17.1 - 18.4, mottled								
					Quartz + carbonate completely								
					alt core. well foliated 50° TCA								
					Rock is a mixture of green, red								
					buff. light green, white c̄								
					tiny 1mm grains of G.								
					Limonite + Hematite filled								
					tiny fract. thru. core. Core is								
18					a pale green alt rock with								
					numerous Qz & Qz carb veinlets								
					& stringers running thru &								
					tiny fract thru core								
				18.4 - 20.1	18.4 - 20.1								
					Pale green aphanitic rock and								
		7a			serpentinite interlayered								
					with layers oriented								
					80° TCA chert in layers at								
20					lower contact								

PAGE 2 OF 11	PROJECT: Main Mine										HOLE No. M90-747
MINERALIZATION DESCRIPTION	TOTAL SULPHIDE	INTERVAL	WIDTH	ASSAY NUMBER	%	%	%				COMPOSITE ASSAYS

PAGE 3 OF | PROJECT: Main Mine | HOLE No. 80-747

DEPTH (METRES)	% Core Recy	LITHOLOGY	STRUCTURE	GEOLOGICAL DESCRIPTION		ALTERATION D A	G B	Si C	Se D	M E	FRACT INTENSITY	T	K
		5CA		20.1-21.6	Chert grey chert with pale grey rextalized chert clasts very fract's thru chert & limonite & hematite staining green vein and banding close to lower contact some K spots								
21				21.6-24.8	Volcanics								
23		5Cb			D-Green, well silicified, fine grain, all core in fract., limonite staining on fracts, (55° = fract. orient.) w K alt contacted 24.8-26.1 i K, i-D, hematite limonite stained, fract. 50° TCA. mod-well fract. Dk buff, red, green, Mottled, completely crumbled rock								
25					24.8-25.8 i-Si med green w-D-limonite stained, m-bx mod fract								
		5CA		25.8-26.8	Chert GREY with some pale green tinge. i-C.B., m-G limonite staining, W-K-MINOR Qz flooding rextalized chert - white & pale gry								
26		5Cb		26.8-35.6	Volcanics MID-grn, - some structure det at upper contact grn-i-K alt, mont? @ 27.2-27.5, 31m, 30.3m, 32.7-33m, w Qz & Qz carb stringers. GREY Qz & white banded Qz & carb stringers which are contorted								
30													

PAGE 4 OF 11 | PROJECT: Main Mine | HOLE No. M90-747

MINERALIZATION DESCRIPTION	TOTAL SULPHIDE	INTERVAL	WIDTH	ASSAY NUMBER	%	%	%			COMPOSITE ASSAYS

PAGE 5 OF 11 | PROJECT: Main Mine | HOLE No. 90-747

DEPTH (METRES)	% Core Recy	LITHOLOGY	STRUCTURE	GEOLOGICAL DESCRIPTION	ALTERATION A (D)	B (G)	C (Si)	D (Se)	E (M)	FRACT INTENSITY	T	K
		SCb		33.2-34.5 — 33.2-34.5 Volcanics - hematite red - hematite stained - some white Qz-stringers with graphite fract. Mg. cubes of py, siderite - prob med grain fairly massive, chl in fract. M-D, W K								
35				34.5-35.6 M-grN siliceous - minor silica fract filling - some rusty weathering limonite stained m-green. M-D chl in fract. J+SM 15° + 65°, MINOR VFG PY in fract								
36				35.6-36.5 c-Dolt, fg, pale buff hematite + limonite stained white Qz contorted stringers c carb at selvages. 20% silica V.F.G. py in Qz-ST in 1-5 mm blebs also fine to med grains dissem in volc. maj fct 50° TCA								
				36.5-37.2 m-green - fine grain, limonite stained minor K								
38				37.2-40.2 fine grain, buff grey, LD, intense limonite + K @ 38.1-38.3 Qz flooding, pillowed carb stringers Vein 40° TCA, 20 cm, limonite staining in fract. py in fract. fine grain major fract 60° TCA								
40		↓										

 PROJECT: Main Mine HOLE No. 90-747

MINERALIZATION DESCRIPTION	TOTAL SULPHIDE	INTERVAL	WIDTH	ASSAY NUMBER	~~%~~ oz/ton Au	~~%~~ oz/ton Ag	%			COMPOSITE ASSAYS
vfg. py [illegible] in fract <1%										
		35								
tiny euhedral grains dissem thru hole, v.f.g. py assoc ā graphite in Qz stringers										
		36								
		37								
White Qz vein - stylolites graphite in fract vuggy limonite stained fract py in frod fine grained		39.1-39.3	.2	E 28220	.007	.02				

PAGE 7 OF 11	PROJECT: Main Mine	HOLE No. 90-747

DEPTH (METRES)	% Core Recy	LITHOLOGY	STRUCTURE	GEOLOGICAL DESCRIPTION	ALTERATION D (A)	G (B)	Si (C)	Se (D)	C (E)	FRACT INTENSITY	T	K
		5Cle		40.2-46 - MED grain, DK green K alt locally i, core bkn 43.6, 41.5-42. lower contact 65° TCA limonite staining core is locally pitted & rotten @44.7 calcite - druzy quide weathered K alt 44.1-44.2 & 44.7 & 45.5-45.7 occurs in bands. Massive.								
45				46-47.5 grey buff volc L-D, Limonite, Qz flooding minor. M-CB, fine grain massive core is bkn 47.2-47.5								
		5CL		47.5-49.5 Massive pale green, fine grain volc w minor limonite in fract also carb. clasts. local bands of wt-chl ?? 40° TCA MJT								
50				49.5 55.2 GREY-Pale, L-D, QZ flooding fine grain Massive, graphite in fract. Limonite stains. TINY 1MM grains py dissem. thru. core QZ stringer zone with G along perimeter, grey siliceous infilling & M-pervasive Si MAJOR fract. L 25° & 55 TCA STRONG generally at that L. MJT Volc. bx. in white Qz stringer Carb in fract, PY+FG form network assoc w G. w-Si, w-D 52.1-55.2 M-green fine grain, chl, carb in fract, limonite M-D, wSi, Locally vuggy carb stringers.								
52												
54												

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 PROJECT: MAIN MINE HOLE No. M90-747

MINERALIZATION DESCRIPTION	TOTAL SULPHIDE	INTERVAL	WIDTH	ASSAY NUMBER	oz/ton Au	oz/ton Ag	%			COMPOSITE ASSAYS
		50								
50 - 50.4 Fine grain py dissem thru vo/c.			.4	E28221	.006	<.02				
50.4 - 51 Contorted wht Qz STR in tract. Qz flooding, VFG py in tract, limonite staining			.6	E28222	.009	<.02				
51. - 51.5 Same As Above			.5	E28223	.006	<.02				
		52								

PAGE 9 OF 11	PROJECT: Main Mine	HOLE No. M 90-747

DEPTH (METRES)	% Core Recy	LITHOLOGY	STRUCTURE		GEOLOGICAL DESCRIPTION	D A	G B	Si C	Se D	M E	FRACT INTENSITY	T	K
54					brokeN core 54.9-55.1								
				55.2-98.3	MED GreeN Volcanic (55.2-98.3)								
		5Cb			fine grain limonite + carbonate on fract. surfaces some struct. Fractures generally 15° & 70° TCA unit 1								
56					2-5 mm carb veinlets, fault zone 64.4 - 66.4 broken core K alt. 64.4 to 65.1 broken rusty-weathered core, vuggy. @72.9 f/t. rusty weathered sliken-sided on surface. 50° TCA Quartz-carb. CAO [illegible] in fract. minor K @ 72.8. 82 to 82.2 Qz-carb stringer in [illegible] L-D								
60					alt Volc ū m-G. 2 cm stringer 40° TCA - calcite, limonite stained ū G in fract. a few - calcite carb stringers.								
80					98.3 - 98.6 pale green fine grain - dk green montmorill-onite very broken M-D.								
					98.6 - 105.3								
100					Buf - fine grained. Volc M-CB; L-D, massive limonite stain on fract M-g. conc in fract several Qz stringers with sulphides. clear & white Qz. some carb in veins, med. grains of PY dissem in vole Mariposite alt in blebs 1-1.5 mm								
	97												
105													

PAGE 10 OF 11 | PROJECT: Main Mine | HOLE No. M 90-747

MINERALIZATION DESCRIPTION	TOTAL SULPHIDE	INTERVAL	WIDTH	ASSAY NUMBER	~~%~~ oz/ton Au	~~%~~ Ag	%			COMPOSITE ASSAYS
White Qz STR ZONE w̄ carb alt., Stylolites w̄ G & VFG Py volc clasts w̄ m IN STRINGER vfg. Py IN volc & STR, dissem <1% Py, STR ORIENTED 10° TCA.		101.9-102.7	.8	E28224	<0.002	<0.02				

PAGE 11 OF	PROJECT:	HOLE No. M90-747

DEPTH (METRES)	% Core Recy	LITHOLOGY	STRUCTURE		GEOLOGICAL DESCRIPTION	ALTERATION D A	G B	Si C	Se D	M E	FRACT INTENSITY	T	
105					105.3 - 105.4 pale green - fine grain - M-D limonite stained, calcite infilling in fract oriented 15° TCA, - a few minor								
		5cb			105.4 - 107.3 MED GRN Volc. fine grain fract gen'l 55° TCA minor calcite infilling in fract, chl alt in fract, a few struct present.								
110													

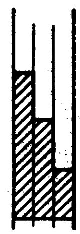
ERICKSON GOLD MINING CORP.

MINERALS SECTION

DRILL LOG

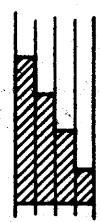
PROJECT MAIN MINE	**GROUND ELEV.** 1381.170
HOLE No. M 90 748	**BEARING** 339.38°
LOCATION N: 64,484.834 E: 62,140.446	**DIP** -69.40°
	TOTAL LENGTH 152.8 m.
LOGGED BY L. MORTIMER	**HORIZONTAL PROJECT**
DATE AUG 28/90	**VERTICAL PROJECT**
CONTRACTOR D.J. DRILLING	
CORE SIZE BQ	
DATE STARTED Aug 7, 1990	
DATE COMPLETED Aug 10, 1990	

ALTERATION SCALE



absent
slight
moderate
intense

TOTAL SULPHIDE SCALE



traces only
< 1%
1% – 3%
3% – 10%
> 10%

DIP TESTS

	INCLIN.	AZIM.
75.3	-67°	356°
152.8	-67.5°	003°

COMMENTS :

NOTE : MISLABELLED (tags 90 257-277; [90 266 tag])

∴ Veins are 3.0 m shallower than labelled. Sampled heavily thus meterage left as is.

LEGEND

PAGE 2 OF 10 PROJECT: MAIN MINE HOLE No. M90-748

DEPTH (METRES)	% Core Recy	LITHOLOGY	STRUCTURE	GEOLOGICAL DESCRIPTION		ALTERATION D A	G B	Si C	Se D	M E	FRACT INTENSITY	T	K
				0-15.2	OVERBURDEN								
	63%												
	75%			15.2 103.0	ARGILLITE 5Dd Dark grey to black, moderately fol @ 70-⊥ to C.A.								
					15.2-40.1 Majority mudstones w stretched silty clasts w fol. iG note recovery., Pyritic alt^ of silty clasts, fn.gr. Calcic vnlts. throughout @ various ∡'s.								
					40.1-97.6 Recovery inc. to 95-100%. local vuggy, foliation inc to i @ 75° to C.A. Silty beds + clasts increase to 50/50 silt/mud. few Dolomite veinlets w iG fn.gl. < 2cm wide								
					97.6-103.0 m fract. of core. 85% rec lower cntc. brecciated silty frag. in tG w flt. @ 80° to C.A.								
	50												
				103.0-104.5	LISTWANITE 7b (7c w/out Marp) dk. grey well foliated @ 70° to C.A. v. siliceous (pervasive + grey-blue chal vnlts + wht vnlts + clots throughout) iG, mD, iSi, magnetite Xtls 1-2% Note: rock is very hard, no Malt: 7b?								
				104.5-107.0	LISTWANITE 7c Bright green grey iSi flooding, chromite magnetite Xts <1% pyrite 3% fn.gr. diss + vnlts. sphal <1% Fol. @ 75° to C.A.								
					105.0-105.6 as above w pyrrhotite 2%								
					105.6-106.5 Fe oxidation, mariposite begins 2-3%. Rock is rusty orange color w aqua blue clay vnlts								
					mSi, mM, mK, w-mG								
	100												

PAGE 3 OF 10 PROJECT: MAIN MINE HOLE No. M90-748

MINERALIZATION DESCRIPTION	TOTAL SULPHIDE	INTERVAL	WIDTH	ASSAY NUMBER	% Au g/t	% Ag g/t	%			COMPOSITE ASSAYS
pyritic alt^n of silty clasts, fn. gr. <1%										
pyrite veinlets + repl. of silty clasts increases <2%										
pyrite - fn gr diss. + vnlts 2%										
104.5-104.9 7c c Si flooding			0.4	33266	<0.002	<0.02				
pyrite 3% fn. gr. diss + vnlts										
magnetite <1% (chrom?) sphal? <1%										
125.6 -										
py										

PAGE 4 OF 10	PROJECT: MAIN MINE	HOLE No. M90 738

DEPTH (METRES)	% Core Recy	LITHOLOGY	STRUCTURE		GEOLOGICAL DESCRIPTION	D (A)	G (B)	Si (C)	Se (D)	M (E)	FRACT INTENSITY	T	K
		7b			LISTWANITE (cont'd) 106.3 - 107.0 bright green-grey iM, mSi, m-iK, wG, mD Grey quartz flooding w wht (rusty) vnlts Xcutting; aqua blue K clots; chromite/magnetite Xtls 2% euh. <1mm pyrite 5% fn. gr. clots & vnlts. TT 2% all fract. pl. limonitic								
		7c, Flt Bx, 7c	45°	107.0 - 107.7	FAULT BRECCIA medium grey. upper contact @ 45°. very vuggy!, grey qtz sealed w iSi, iD fragmented 5Ca. Frags avg. 0.5 cm. very angular, Radiating cc. Xtls on fr. pl., drusy qtz + euhedral qtz (rusty) on fr. pl., local mM.; py, tt, aspy? vfn. gr. intense limonite on fr. pl.								
110		5Ca ipy, 7c, Flt Bx, 5Ce Bx		107.7 - 110.5	LISTWANITE 7c bright green-grey Fol m @ 60° to C.A., vuggy, mSi, iM, mG, mD grey qtz vnlts throughout, few wht qtz vnlts to 0.75 cm. 109.1 - 109.4 bleached + limonite stained 7c. no mariposite.								
		5Ce, VnBx, 5Ce		110.5 - 111.3	VOLCANICS 5Ca buff. iD, iSi, iG. grey chalc. vnlts 0.5 cm Xcuts chaotic fol. intense py. (20%)								
120		5Ca		111.3 - 113.0	LISTWANITE 7c int. fol @ 45° to C.A. iM, mG, mSi, mD. grey + clear qtz vnlts crosscut fol limonitic staining on fr. pl.								

PAGE 5 OF 10	PROJECT: MAIN MINE	HOLE No. M 90-748

MINERALIZATION DESCRIPTION	TOTAL SULPHIDE	INTERVAL	WIDTH	ASSAY NUMBER	% Au g/t	% Ag g/t	%			COMPOSITE ASSAYS
106.5 - 107.0 LISTWANITE 7c pyrite 5% fn.gr. diss + vnlts tt 2% fn.gr. clusters.			0.5	33267	<0.002	<0.02				
100.0 - 100.7 FAULT BRECCIA grey-clear qtz flooded, Si, D 5Ca pyrite 5-7% v.fn.gr. {intense on fr.pl., m M. tt?<1%, aspy? too fn.gr. to ascertain!			0.7	33268	<0.002	<0.02				-
py 10% fn.gr. patches + vnlts throughout, locally 25%										
110.5 - 111.3 5Ca, D, Si, G; 20% pyrite fn.gr. masses throughout & fr.pl. tt <2% fn.gr. masses.			0.8	23909	<0.002	<0.02				
111.3 - 113.0 pyrite fn.gr. diss on fr.pl. 5-7%										

 PROJECT: MAIN MINE HOLE No. M90-148

DEPTH (METRES)	% Core Recy	LITHOLOGY	STRUCTURE	GEOLOGICAL DESCRIPTION		ALTERATION D A	G B	Si C	Se D	M E	FRACT INTENSITY	T	K
		120		113.0-113.9	VEIN BRECCIA (McDame ?) VNBX Carbonate/qtz (70/30) fragments comprise 70% structure. Pyritic/graphitic matrix (20/80). Angular frags are mod. limonitic stained. mK. drusy qtz is often rusty								
				113.9-115.1	CHERT BRECCIA 5CeBx Med grey, int Silicified (borderline breccia) grey & wht qtz vnlt netw. throughout. Dol. ?? carb. vnlts up to 3mm limonitic st. throuout mcb wD. wK.								
		see next page		115.1-116.05	CHERT 5Ce lt. buff. iD, mcb. mSi. mfol @ 60° to C.A clear & gry qtz vnlts 2mm & carb (lim. st.) 3mm throuout, wK.								
				116.05-116.55	VEIN BRECCIA VNBX wht qtz frags 60%. Si 5Ce frags 20% in a pyritic/graphitic matrix minor carb w qtz., moderate lim. st. of qtz & matrix.								
				116.55-118.0	CHERT 5Ce med. grey mod. fol @ 60° to C.A. iD, mSi mcb, mG. mod-loc. int lim. st.								
				118.0-126.8	VOLCANICS 5Ca med buff-gry aphanitic, iD, mcb, mK, mG. a vitreous radiating clear mineral on fr. pl. drusy qtz + py. few wht qtz vnlts to 3mm								
					122.6-123.6 incr. K alt to iK								
		120											

 PROJECT: MAIN MINE HOLE No. M90-748

MINERALIZATION DESCRIPTION	TOTAL SULPHIDE	INTERVAL	WIDTH	ASSAY NUMBER	% Au g/t	% Ag g/t	%			COMPOSITE ASSAYS
113.0-113.9 VnBx pyrite/graphite matrix v.fn.gr. network tex. pyrite 20-25%			0.9	23910	<0.002	<0.02				
113.9-115.1 CHERT BX. py. v.fn.gr flooding + patches 10% grey-wht sulphide <1% aspy? v.fn.gr			1.2	23912	<0.002	<0.02				
115.1-116.05 py fn.gr vnlts 2m 5%			0.95	23913	<0.002	<0.02				
116.05-116.55 VNBX, pyrite 7%, v.fn.gr. matrix, aspy 2% fn.gr. needles in diss. patches			0.5	23911	<0.002	<0.02				
116.55-118.0 py 5% fn.gr. vnlts			1.45	23914	<0.002	<0.02				
118.0-119.1 Sla-py v.fn.gr. vnlt. net throughout, 15%, drusy py.			1.1	23915	<0.002	<0.02				
119.1-120.1 as above			1.0	23916	<0.002	<0.02				
120.1-121.5 as above			1.4	23917	0.006	<0.02				
121.5-122.6 as above			1.1	23918	<0.002	<0.02				
122.6-123.6 py content to 25%			1.0	23919	<0.002	<0.02				

PAGE 8 OF 10 | PROJECT: MAIN MINE | HOLE No. M90 748

DEPTH (METRES)	% Core Recy	LITHOLOGY	STRUCTURE		GEOLOGICAL DESCRIPTION	ALTERATION D A	G B	Si C	Se D	M E	FRACT INTENSITY	T	K
		120			VOLCANICS (cont'd)								
					123.6 – 126.8 buff to grey iD, iK, i py, grey qtz vnlts mod. Xcuts graphite/pyrite vnlts.								
				126.8 - 127.3	FAULT BRECCIA grey qtz matrix w qtz(wht) + iD 5Ca frag. Angular frags comprise 40% of rock of those, 40% are qtz frag. Local iK/limonite/py alt of matrix.								
		5Ca		127.3 - 132.0	VOLCANICS 5Ca buff iD, iSi, iG, mK. Grey + wht. qtz. vnlts + clots to 3mm wide. drusy qtz, limonite st. local. 127.9 – 128.0 [illegible] healed breccia w massive py graphite matrix iK alt in matrix 129.7 - 129.75 massive pyrite breccia iG, iK i limonite st. icb.								
		125											
		5Ca			129.9 - 130.8 lt. grey green mottled text. due to dol. alt.								
		FLT BX	△ △ △ △		130.8 – 132.0 buff to lt. grey. iD, mcb, mSi as wht qtz vnlts avg 3mm wide.								
		5Ca		132.0 – 133.0	QUARTZ STRINGER ZONE White quartz stringers avg. 15cm w graph styl. + limonite. white clay clots 5%. 5Ca is iD alt. in few grey + white vnlts. py fn.gr + c.gr. diss + fr. pl.								
		130											

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 PROJECT: MAIN MINE HOLE No. M90 748

MINERALIZATION DESCRIPTION	TOTAL SULPHIDE	INTERVAL	WIDTH	ASSAY NUMBER	% Au g/t	% Ag g/t	%			COMPOSITE ASSAYS
123.6 - 124.6 i py fn.gr. masses 15% & vnlts 2mm.			1.0	23920	<0.002	<0.02				
124.6 - 125.7 as above			1.1	23921	<0.002	<0.02				
125.7 - 126.8 as above			1.1	23922	0.071	0.02				
126.8-127.3 Fault Breccia pyrite as fn.gr. masses + c.g. euhedral gr. to 2mm.			0.5	23923	0.055	0.02				
127.3-128.3 py. v.fn.gr. patches + cg fracture filling, local patches of massive c.g. py 7cm wide, ū i limonite st, iKalt.			1.0	23924	0.011	<0.02				
grey-silver mineral, striated, in subhedral grains <2mm in cluster @ 131.8m										
129.2-129.9 iDiGalt 5Ca ū local qtz + pyritic sealed breccia			0.7	23925	0.013	<0.02				
132.0-133.0 QSTR ZONE. py fg & c.g. diss + fr.pl. 3%			1.0	23926	0.080	<0.02				

PAGE 10 OF 10	PROJECT: MAIN MINE	HOLE No. M90 748

DEPTH (METRES)	% Core Recy	LITHOLOGY	STRUCTURE	GEOLOGICAL DESCRIPTION		ALTERATION D A	G B	Si C	Se D	M E	FRACT INTENSITY	T	K
		130 5Ca QSTR ZONE		133.0 - 152.8	VOLCANICS 5Ca lt. grey iD, mG, mSi, mcb. w K Qtz/m. carb. vnlts avg. 2 cm., clay on fr. pl. & clots thruout.								
					133.84 - 140.5 lt. green md, wSi, wK; K as small vnlts & clots. local 10cm zones of grey qtz/clay vuggy - drusy qtz								
		5Ca											
		140			140.5 - 141.0 buff, mod. shearing // to C.A. chl/clay/limonite/grey qtz on sh. pl.								
					141.0 - 146.5 light green, local m-iD, w mK as clots <2mm grey Si vnlts w graphite								
		5Ca			146.5 - 147.2 iK alt w wSh @ ⊥ to C.A int chl, few qtz vnlts w graphite								
		150			147.2 - 152.8 med. grn, aphanitic few wht & grey qtz <2mm w no spec orient. loc. iK, generally a mottled text. due to chl/qtz/clay fr. pl. alt.								
		EOH 152.8											

PAGE 11 OF | PROJECT: MAIN MINE | HOLE No. M90 748

MINERALIZATION DESCRIPTION	TOTAL SULPHIDE	INTERVAL	WIDTH	ASSAY NUMBER	% Au oz/t	% Ag oz/t	%			COMPOSITE ASSAYS
133.2 - 133.84			0.64	23927	0.035	<0.02				
Qtz str. zone, pyrite c.g. diss				(23771)						
+ fr. pl.				(lost tag # 23927. sent to lab as 23771)						

PAGE OF	PROJECT:	HOLE No.

DEPTH (METRES)	% Core Recy	LITHOLOGY	STRUCTURE	GEOLOGICAL DESCRIPTION	ALTERATION A	B	C	D	E	FRACT INTENSITY		

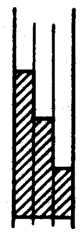
ERICKSON GOLD MINING CORP.

MINERALS SECTION

DRILL LOG

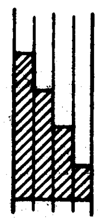
PROJECT Main Mine	**GROUND ELEV.** 1525.834
HOLE No. M90-749	**BEARING** 001.37
LOCATION 64,304.711 N 62,401.294 E	**DIP** 58.49
	TOTAL LENGTH 365.9
LOGGED BY D. Ball	**HORIZONTAL PROJECT**
DATE Aug 20/90	**VERTICAL PROJECT** -
CONTRACTOR D.J. Drilling	**ALTERATION SCALE**
CORE SIZE N.Q.	
DATE STARTED Aug 10/90	
DATE COMPLETED Aug 21/90	**TOTAL SULPHIDE SCALE**
DIP TESTS	
COMMENTS	**LEGEND**

ALTERATION SCALE



absent
slight
moderate
intense

TOTAL SULPHIDE SCALE



traces only
< 1%
1% – 3%
3% – 10%
> 10%

DIP TESTS

DIST	AZIM	DIP
122	010	66.8
2439	018	69
365.9	040	72

COMMENTS

LEGEND

PAGE 1 OF 18 | PROJECT: Main Mine | HOLE No. M90-749

DEPTH (METRES)	% Core Recy	LITHOLOGY	STRUCTURE	GEOLOGICAL DESCRIPTION		ALTERATION D A	G B	Si C	Se D	M E	FRACT INTENSITY	T	K
		O/B		0 - 6.6	OVERBURDEN								
20	96%	5Dd		6.6-37.3	ARGILLITE DK. blk with grey silty beds some reg beds 30° TCA @ 22.9, Limonite stained fract, core is well fract & bkn, major fract ∠ is 50° TCA, some minor carb veinlets 1-10 mm with dominant orientation 25° TCA mod fol - 50° TCA, @ 32.5 fairly silty with disturbed beds								
40 50	91%	10b		37.3-42.9	U/m Dyke Blk massive med grain rcd. with limonite staining on fract. minor 1 mm [illegible] fract. filling py-fg [illegible] [illegible] shaped blebs, Qz- carb 2 mm - 1 cm stringers @ 20° TCA. f/f 42.9-43.3 rusty broken core. Upper contact 80° TCA, lower contact broken. V.F.G PY Dissem. thru core.								
100	36%	5Dd		42.9-	Argillite Blk, with silty beds 30° to 50° TCA, Qz carb stringers <1mm to 5mm thick at numerous ∠'s TCA, fol 50° TCA well fol, Broken core 56.6-66M, occ. euhedral py xtal, silty beds 78-87m, 91.2-96.3 102.4-109, 114-119m, dist beds 102-109 & 114-119m								

PAGE 2 OF 18 | PROJECT: Main Mine | HOLE No. M90-749

MINERALIZATION DESCRIPTION	TOTAL SULPHIDE	INTERVAL	WIDTH	ASSAY NUMBER	%	%	%			COMPOSITE ASSAYS
		20								
		40								
Py - irreg Blebs dissem thru core - fg.										
		50								
		100								

 PROJECT: Main Mine HOLE No. M90-749

DEPTH (METRES)	% Core Recy	LITHOLOGY	STRUCTURE	GEOLOGICAL DESCRIPTION	ALTERATION D A	G B	Si C	Se D	M E	FRACT INTENSITY	T	K
	93, 98	SDA		Stringers @ 116.4 at 45° TCA 2cm thick & 117 & 120.6 vuggy, contorted beds, & clasts of silt minor py - fg 113.6 to 142.5 & 153 to 156.8 Qz vein 30° TCA, white Qz w color argillite frag, fol 50° TCA								
150	73			170.1 to 170.8 broken core								
			170.8-177.2	Chert								
				Pale grey, MASSIVE, m to L C.B. Band of argillite 173.0 to 173.1 upper contact 80° TCA lower 70° TCA, well fract. carbonate in fract, m G								
175		SDA										
	100	SDA	177.2-178.6	Argillite								
				Black - upper contact bkn lower contact 45° TCA, Beds 45° TCA, MINOR Qz fract. Filling 30° - 45° TCA 1-3 mm blebs of fg. py. Assoc w Qz occurs also as v.f.g dissem in core								
180	100	SDA	178.6-187.7	Chert								
				Pale grey chert, 1-C.B. m to L G, Qz carb stringers, 1-2mm 5° to 35° TCA also 0.5-2cm vuggy stringers. minor fg blebs of py also fine grains concentr in fract. Also irreg Qz carb str								
185												

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PAGE 4 OF 18 | PROJECT: Main Mine | HOLE No. 90 - 749

MINERALIZATION DESCRIPTION	TOTAL SULPHIDE	INTERVAL	WIDTH	ASSAY NUMBER	%	%	%			COMPOSITE ASSAYS

 PROJECT: Maine Mine HOLE No. M90-749

DEPTH (METRES)	% Core Recy	LITHOLOGY	STRUCTURE	GEOLOGICAL DESCRIPTION		ALTERATION D A	G B	Si C	Se D	M E	FRACT INTENSITY	T	K
187	100	7C		187. - 193.8	VOLCANICS DK grey to Blk, l-G, alt i.c.B, Qz flooding - irreg shaped fract. filling w/ clasts caught up in stringers 1-2 cm veinlets at various L's.								
195				193.8-204.1	LISTWANITE white - med grey with large 1-4 cm bands of m. 1-4 cm blebs, banded by fol. Pervasive m-M, well fol 45° TCA, Qz-carb veinlets 1m - 2cm & clasts along foliation surfaces limonite staining on fract. vuggy Qz, Bands of f.g. py assoc. w/ Qz, Qz py flooding.								
200													
205		7B		204.1-212.2	LISTWANITE GRADATIONAL, upper contact D & Q 1mm veinlets at various L's, well foliated but no consistent orientation some ep & chl bet 209.1 to 210.5								
210													

PAGE 6 OF 18	PROJECT: Main Mine							HOLE No. M90-749		
MINERALIZATION DESCRIPTION	TOTAL SULPHIDE	INTERVAL	WIDTH	ASSAY NUMBER	%	%	%			COMPOSITE ASSAYS

PAGE 7 OF 18 | PROJECT: Main Mine | HOLE No. M96-749

DEPTH (METRES)	% Core Recy	LITHOLOGY	STRUCTURE	GEOLOGICAL DESCRIPTION		ALTERATION D A	G B	Si C	Se D	M E	FRACT INTENSITY	T	K
		5a		212-222.3	Volcanic grey grades to pale grey i-K 214.8-215.5 upper contact 80°TCA 216.2-216.8 i-Se m C.B. 212-216.8. w-CB @ 221.6 & 222.3 lower contact 35°TCA l-D grades to m-D downhole minor 1-2 m veinlets of Qz 30°TCA, Qz carb fract. filling limonite staining w-G assoc ū C.B.								
215													
220													
		7b		222.3-223.4	Listwanite Med grey m T alt, well fol at 30° TCA. upper contact oriented 30° TCA Minor chl & ep								
		7a		223.4-229.7	LISTWANITE Dk green, serpentinite, well fol sp, chl m to i. Foliation 35° TCA, Numerous Qz stringers, some Qz fract filling. 1-2 mm Numerous L's some .2 to 15 cm stringers ū stylolites. w-T.								
225													
230													

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PAGE 8 OF 18	PROJECT: Main	HOLE No. M90-749

MINERALIZATION DESCRIPTION	TOTAL SULPHIDE	INTERVAL	WIDTH	ASSAY NUMBER	~~%~~ oz Au	~~%~~ /ton Ag	%			COMPOSITE ASSAYS
Qz-Carb STRINGER ORIENTED 35° TCA, 15 cm long stylolites $\bar{w}$ minor Cu, 1 cm Talc bands		226.1-226.3	.2	E28209	0.004	0.02				

PROJECT: Main Mine

HOLE No. M90-749

DEPTH (METRES)	% Core Recy	LITHOLOGY	STRUCTURE	GEOLOGICAL DESCRIPTION	ALTERATION D A	G B	Si C	Se D	M E	FRACT INTENSITY	T	K
		7b		229.7-230.5 LISTWANITE Med grey, M-T alt, upper contact 70° TCA, lower contact also 70° TCA. w-G occur as 1mm spots in fract. Qz carb str white .1 to 1cm								
		7C		230.5-235.3 LISTWANITE m-M, pervasive, grn, .1-1.5 cm Qz veinlets 15°-75° TCA								
235		QVg 7C QV		lower contact 45 TCA. limonite stained along fract., m-G alt, Qz carb fract filling								
		5Ca		234.2-234.8 Q.V. 234.8-235.3 LISTWANITE 235.3-235.6 Q.V. 237.7-238.8 Volcanics grey, L-D, Qz-stockwk Qz flooding 238.1 to 236.2								
240		7C		Med grey Qz w̄ CB, m G py, also white vuggy Qz carb veins, limonite staining py in fract C.P asso c̄ G.								
				238.8-240.5 LISTWANITE DK grey - to green pervasive m-M well fol 55° TCA Qz stringers, 30° to 40° TCA, Qz flooding grey								
245		5Ca		240.5-262.4 Volcanics 240.5-247.3 grey to buff, L-D m-G, m-C.B., Q carb-stringers vuggy, limonite on fract., fract generally 45° TCA, vuggy, Qz w̄ py, tg py also c̄ 3 on fract. 247.3-251.5 grades to pale green, w-C.B. chl in fract., 246 249.5 - K alt, tg py in blebs								
250												

PAGE 10 OF 18 | PROJECT: Main | HOLE No. M90-749

MINERALIZATION DESCRIPTION	TOTAL SULPHIDE	INTERVAL	WIDTH	ASSAY NUMBER	~~%~~ oz/ton Au	~~%~~ Ag	%			COMPOSITE ASSAYS
Quartz Vein (QVa)		234.2 to 234.8	.6	E28210	.010	.02				
oriented 15° TCA ? thickness										
white Qz vein some carb,										
vuggy, styloliles ѿ Gr, fract.										
ѿ G F.Gr. py & orthorhombic		235								
silver mineral - APy										
Quartz Vein (QVg)		235.3 to 235.6	.3	E28211	.002	.02				
50° TCA, .2m, white Qz										
c̄ 3-5mm Qz & Ca XTALS										
Gr in STYLOLITES py APy both										
V.F.G.										
V.F.G py [ ] in graphitic		236.6 to 237.1	.5	E28212	.002	.02				
fract. & vugs forms dissem										
blebs netwk & stringers		240								
QCST STRINGERS ORIENTED		238.8-239.4	.6	E28213	.002	.02				
≈ 30° TCA, STYLOLITES, G. Py Qz										
flooding - M locally pervasive										
		245								
		250								

PAGE 11 OF 18	PROJECT: Main Mine	HOLE No. M90-749

DEPTH (METRES)	% Core Recy	LITHOLOGY	STRUCTURE	GEOLOGICAL DESCRIPTION
		5Ca		251.5-253.4 Volc. med grn, w-D, massive grades to pale grn 253.4-254.7. Buff from 254.7 to 256.2. G in fract. @ 254.8, assoc c i-D, 256.2 to 258.6. gen'l attitude of contact 20° TCA, fractures are limonite stained, Broken core 259.3 to 259.6. VFG py in fract assoc c G. some w C.B in i-D alt volc. otherwise chl fract. a few 1-3 mm Q Ca filled fract usually 45° TCA, m-clay alt M (green) from 257.6 to 257.7 montmorillonite
255				
				259.6-262.4 Buff, m-CB, i-D, m G, py c J in fract. si flooding, m-si .2-3cm stringers 30° TCA - Dominant L, vuggy, limonite staining on fract.
260			262.4-267.4	Chert DK Grey l-CB, Qz str & BX w i-G alt & Lular clasts of chert, 2cm 35° TCA orientation. Q in fract. fg py Assoc limonite staining on fract surface grn chert bet 267.3 & 267.4 lower contact 55° TCA
265		5Ca		
			267.4-271.2	Volcanics 267.4-267.9 - pale grn. m-D massive, limonite stained on fract surfaces, chl c J in fract. & irreg shaped blebs
		5Ca		267.9-271.2 Buff, i-d, m-G py & Galena Assoc w G in i-C.B. med grain, massive
270				

ALTERATION: D (A), G (B), Si (C), Se (D), M (E); FRACT INTENSITY; T; K

PAGE 12 OF 18 | PROJECT: Main | HOLE No. M90749

MINERALIZATION DESCRIPTION	TOTAL SULPHIDE	INTERVAL	WIDTH	ASSAY NUMBER	% Au	% Ag	%			COMPOSITE ASSAYS
		260								
Qz - Str ZONE		264.3-264.7	.3	E28214	.32 ppb					
py - vfg. [ ] in fract, Network,										
Gassoc $\bar{w}$ Py, py flooding										
some carb in fract.										
		265								
V.F.G. py localized in fract.		267.9-270.1	.2	E23763	49 ppb Au					
forms 1mm bands & also										
bleb up to 2mm, some										
vuggy, Qz filled fract. $\bar{c}$										
Druzy Qz - Gassoc $\bar{w}$ py										
Qz, G. py flooding										
		270								

PAGE 13 OF 18	PROJECT: Main Mine	HOLE No. M90-749

DEPTH (METRES)	% Core Recy	LITHOLOGY	STRUCTURE		GEOLOGICAL DESCRIPTION	ALTERATION D A	G B	Si C	Se D	M E	FRACT INTENSITY	T	K
		QV	Mc DAME	271.2-271.5	Quartz Vein								
					White Qz, upper contact 40°TCA								
					30cm vein, some bx, G in								
					fract. py in assoc w G								
					Banded f.g. py at lower contact								
					limonite staining on fract.								
272		5Ca	Mc Dame	271.5-275.5	Volcanic								
					pale grn - buff, L-G pervasive								
					272.7, Qz str - numerous L's								
					.1-4cm accross. G in fract.								
					VFG py assoc c G, py flooding								
					Limonite staining, MCB								
274			Mc Dame	275.5-275.8	Qz Stockwork								
					Qz str & volc bx ∠lar								
					volc. clasts in a network of								
					Qz str, general orientation								
					45° TCA V.F.G. py in matrix								
		D ∆											
276		QV		275.8-276.1	QVein								
					White Qz, stylolites,								
					upper contact 70° TCA,								
					limonite stained								
	73%	5Ca	Mc DAME	276.1-277.4	Volcanic								
					m-grey, L-D, m grain, Qz-carb								
					stringers w G oriented ≈ 60° TCA								
					1-5cm across, vuggy, limonite								
					staining. vfg py dissem in Volc								
		QVg		277.4-278	Qz Vein								
278					White Qz QVg oriented 70° TCA								

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PAGE 14 OF 18	PROJECT: Main							HOLE No. M90-749		
MINERALIZATION DESCRIPTION	TOTAL SULPHIDE	INTERVAL	WIDTH	ASSAY NUMBER	% oz/ton Au	% oz/ton Ag	%	Au ppb		COMPOSITE ASSAYS
Py Apy - vfg - occus ῶ G. banded, band oriented 70°TCA vein 50°TCA. vfg py Dissem thru G		270.5-270.8	.3	E28215				360		
py 1-2mm bleb dissem thru volc ῶ 1-CB		270.8-271.2	.5	E23704				113		
Py - vfg [ ] in Qz veinlets 1-2mm thick in Volc		271.2-273.1	1.9	E23712				57		
		272								
V.f.g. py [ ] in fract. c Qz or G, G fract x cut Qz. (Druzy Qz) (m-CB)		273.4-274.8	1.4	E23713				25		
		274								
v.f.g py dissem thru f.w. Druzy Qz 277.2-277.4 G in fract ῶ vfg py										
Py - vfg dissem thru G in fract, G-flooding, Qz str zone occ bleb py 2-3MM Qz str 55°TCA		275.3 to 275.9	.6	E28216				86		
White Qz Dol vein, w- G, vfg. py assoc ῶ G. vfg py & G. bands. 1-2 mm thick 55°TCA limonite stain.		275.9 to 276.2	.3	E28217				27		
		276								
v.fg. py in fract. Qz & carb str some @ 50° TCA Qz vein ῶ stylolites, vfg py ῶ G in fract.		276.2-277.4	.8	E23702				104		
Q VN - white Qz ῶ stylolites, G in stylolites, C.B. Limonite almost		277.4-278.6	1.2	E28218				36		
		278								

PAGE 15 OF 18	PROJECT: Main Mine	HOLE No. M90-749

DEPTH (METRES)	% Core Recy	LITHOLOGY	STRUCTURE		GEOLOGICAL DESCRIPTION	ALTERATION D A	G B	Si C	Se D	M E	FRACT INTENSITY	T	K
				278.6-285.6	Chert BlK, L-G to 279.8 grades to l-gry w m-C.B. from 280.4 to 285.6. BANDS of druzy QZ @ 282, white QZ & carb in filling, fract core - mod limonite stained, DOMINANT ∠ 45° TCA, graphite in fract 284.8 to 285.6 broken core								
280				285.6-286.1	Quartz VEIN QVg White Qz oriented 40° TCA on upper CONTACT, broken lower contact. Possibly 70° TCA. Qz bx AT upper contact c̄ Druzy Qz, sub-ular clasts 0.2 to 2cm bands of QZ-CARB 40° TCA. GREY QZ w̄ G alt, fract. w̄ limonite staining. Barren								
285		QVg											
286		SDt		286.1-320.7	Chert GREY. banded, well fract, m to l CB. limonite stained fract. light & dark bands (ribbon) @ 287.5 l G Druzy Qz								
290													

PAGE 16 OF 18 | PROJECT: Main Mine | HOLE No. M90-749

MINERALIZATION DESCRIPTION	TOTAL SULPHIDE	INTERVAL	WIDTH	ASSAY NUMBER	%	%	%	Au ppb		COMPOSITE ASSAYS
Qz flooding in fract. c̄ vFg py EJ in fract		278.7-279	.3	E23711				64		
Qz vein - white Qz Qvs no visible sulfide, barren Qz-Carb xtals McDame			.5	E28219				43		

PAGE 17 OF 18	PROJECT: Main Mine	HOLE No. M90-749

DEPTH (METRES)	% Core Recy	LITHOLOGY	STRUCTURE		GEOLOGICAL DESCRIPTION	ALTERATION D A	G B	Si C	Se D	M E	FRACT INTENSITY	T	K
		5DA		320.7-332.2	Ribbon CherT								
					DK grey / blK chert/argilaceous chert, slightly fract. MAJor orient. 38° & 70° T.C.A. Limonite staining on fract. Carb. fract filling. occ. bleb of py some contorted strs. bet. 289 to 292.6 Numerous .1 to 3 cm Qz-Carb. str. various L's, Druzy Qz in vugs, Lular qz frag's @ 292.2								
320													
				333.2-333.5	Porphyry Dyke								
					upper contact 65° TCA, lower contact 25° TCA, MED grey porphyritic 1-2 mm phenocrysts of felsspar & chl, Qz bx at lower contact, minor 1-2mm veinlets								
340													
				333.5-365.9	Ribbon CherT								
					bands of DK grey & / blK chert as above. 347.9 to 362.6 green to green grey banded chert with 1-2mm bleb py & cpy some chl veinlets also D & Qz								
360													
								EOH					
370													

PROJECT: Main Mine

HOLE No. M90749

MINERALIZATION DESCRIPTION	TOTAL SULPHIDE	INTERVAL	WIDTH	ASSAY NUMBER	%	%	%			COMPOSITE ASSAYS
py- occurs as occ euhedral xtal or irreg blebs some in										
		320								
		340								
White opaque QZ in grey chert. Graphite in fracts some G flooding w/ py & cpy vlg. [illegible] in fract. some euhedral xtals <1mm.										
		360								
		370								

PAGE OF	PROJECT:	HOLE No.

DEPTH (METRES)	% Core Recy	LITHOLOGY	STRUCTURE	GEOLOGICAL DESCRIPTION	ALTERATION A	B	C	D	E	FRACT INTENSITY		

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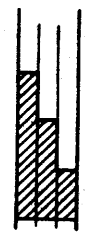
ERICKSON GOLD MINING CORP.

MINERALS SECTION

DRILL LOG

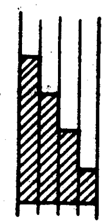
PROJECT ERICKSON	GROUND ELEV. 1,454.551
HOLE No. M90-750	BEARING 173.32°
LOCATION N: 64,390.867 E: 62,217.924	DIP -59.25° TOTAL LENGTH 221.3 m.
LOGGED BY M. ANDREWS	HORIZONTAL PROJECT
DATE AUG. 25, 90	VERTICAL PROJECT
CONTRACTOR D.S. DRILLING	ALTERATION SCALE
CORE SIZE NQ	
DATE STARTED Aug 23, 1990	
DATE COMPLETED Aug 26, 1990	TOTAL SULPHIDE SCALE

ALTERATION SCALE



absent
slight
moderate
intense

TOTAL SULPHIDE SCALE



traces only
< 1%
1% – 3%
3% – 10%
> 10%

DIP TESTS

DEPTH	AZIM	INCLIN
99.4	178°	-61°
154.2	180°	-62°
221.3	181.5°	-62.5°

COMMENTS

LEGEND

 PROJECT: HOLE No. M90-750

DEPTH (METRES)	% Core Recy	LITHOLOGY	STRUCTURE	GEOLOGICAL DESCRIPTION	D A	G B	Si C	Se D	M E	FRACT INTENSITY	T	K
			0-5.6	CASING								
			5.6-51.8	ARGILLITE (5Dd)								
				5.6-13.1 - laminated to massive light grey to jet black 5Dd. - some laminations are contorted (soft sed. deformation) but most is planar @ 75°-90° TCA.								
				13.1-16.1 - mainly jet black i-broken mudstones. - no evidence of faulting								
				16.1-51.8 - massive black mudstones and laminated med. grey mudstones and siltstones. - laminations @ 45°-90° TCA - rare clusters or bands of ~10% m.g. to c.g. euhedral py. cubes (~<0.1% of the core). - ~2% fine, white qstrs @ 40°-10° TCA and cross-cut laminations.								
			51.8-52.3	QSTR ZONE - 30 cm wide white quartz-clay QV with angular frags of black graphitic arg. - also <5cm wide QSTR, - contacts at 70°-90° TCA.								
			52.3-	ARGILLITE								
				52.3-61.1 - H.W. contact w. QV contains a small band of f.g. dissem. cubic Py. - rest of interval is massive black to laminated mod. grey. - laminations @ ~55° TCA								

PAGE 2 OF 23 | PROJECT: | HOLE No. M90-750

MINERALIZATION DESCRIPTION	TOTAL SULPHIDE	INTERVAL	WIDTH	ASSAY NUMBER	~~%~~ oz/ton Au	~~%~~ oz/ton Ag	%			COMPOSITE ASSAYS
5.6-13.1 - very trace, f.g. pyrite (dissem.)										
51.8-52.3 QSTR ZONE - one speck of f.g. honey sphalerite.		52.0 - 52.3	0.3	E26818	<0.002	<0.02				

 PROJECT: ERICKSON HOLE No. M90-750

DEPTH (METRES)	% Core Recy	LITHOLOGY	STRUCTURE		GEOLOGICAL DESCRIPTION
				52.3-84.7	ARGILLITE (CONT.)
					61.1-67.9 m.
					- clastic interval in 5Dd.
					- mod. grey subangular frags. (<2.5 cm) within a matrix of finely laminated to massive black mudstone. - clast supported (clasts = 60% ; matrix = 40%)
					- foliation is defined after fragmentation.
					- fol @ 60°-80° TCA.
					67.9-84.7 m.
					- massive black to dk-grey laminated 5Dd.
					- laminations @ 70°-90° TCA.
				87.4-104.7	VOLCANICS (5Ca) m-D
					- grey, i-CBx, m-i G, m-Si, pyritic (<2%) 5Ca
					- the first 3.0m. of this interval contain large fragments (<10 cm.) of i-Si (very hard) black 5Dd
					- abundant QSTR's (grey+white qtz) at random angles. (25°-70° TCA).
					104.1-104.2
					- grey/white (2 stages) QSTR @ 20° TCA.
					- contains graphite and ~3% pyrite (euhedral, c.g. cubes) on stringer wall.
				104.7-106.8	LISTWANITE (7b)
					- dk green to black, well foliated i-G, w-Si 7b.
					- still is soft but due to w-Si this 7b has hardened
					- foliation @ ~45° TCA
					- talc occurs as elongate blebs along planes of foliation (<2 cm.)
					- talc blebs are light green to buff.
					- irregular, almost gradational HW contact with 5Ca.

ALTERATION					FRACT INTENSITY	T	K
D A	G B	Si C	Se D	M E			

PROJECT:

HOLE No. M90-750

MINERALIZATION DESCRIPTION	TOTAL SULPHIDE	INTERVAL	WIDTH	ASSAY NUMBER	%	%	%			COMPOSITE ASSAYS
61.1 - 67.9 m.										
- 1% blebs of f.g. py (< 0.5 cm) disssem. throughout.										
67.9 - 87.4 m.										
- ~ 1% blebs (< 1 cm) of f.g. disseminated py.										
87.4 - 104.7 m.										
- 2% f.g. dissem. blebs (< 3 cm.) of pyrite which is located between the CBx fragments.										

PAGE 5 OF 23 | PROJECT: | HOLE No. M90-750

DEPTH (METRES)	% Core Recy	LITHOLOGY	STRUCTURE	GEOLOGICAL DESCRIPTION	ALTERATION D A	G B	Si C	Se D	M E	FRACT INTENSITY	T	K

106.8 - 108.9 — VOLCANICS (5Ca)

- light buff, i-CBx, m-G, m-D, m-T altered 5Ca
- HW contact w. 7b is ~55° TCA but this is poorly defined and almost gradational.
- volcanic in texture but soft due to talc alteration.
- pyrite present (~1%)
- graphite present as fillings between crackle breccia fragments.

108.9 - 109.7 — LISTWANITE (7b)

- very well foliated, black and buff layers, m-T, m-D, w-G 7b
- contains small blebs (<0.5 cm.) of greyish quartz (~ w-Si)
- also appears to contain foliated frags. of dolomite altered 5Ca.
- HW contact w. 5Ca is a sharp fault plane with slickensides:
  - fault @ 50° TCA
  - slickens @ // to fault plane.
- FW contact is broken.

109.7 - 126.8 — CHERT (5Cf)

- light grey, i-CBx 5Cf within very thin (~2-4 mm thick) buff tuffaceous layers
- also contains 2-5 cm wide buff coloured i-CBx 5Ca @ ~70° TCA.
- tuffaceous beds oriented @ 30° TCA

113.5 - 113.8 :

- i-broken 5Cf
- one piece of core has a very well developed fault plane with exc. slickensides
  - * fault plane @ 20° TCA.
  - * slickens @ 45° TCA

 PROJECT: Erickson **HOLE No.** M90-750

MINERALIZATION DESCRIPTION	TOTAL SULPHIDE	INTERVAL	WIDTH	ASSAY NUMBER	%	%	%			COMPOSITE ASSAYS
106.8 - 108.9 m - pyrite present (~1%) as f.g to m.g. blebs disseminated throughout.										
109.7 - 114.5 m. - <1% f.g. dissem. pyrite										

M90-750 ?

PAGE 7 OF 23	PROJECT:	HOLE No. M90-750

DEPTH (METRES)	% Core Recy	LITHOLOGY	STRUCTURE	GEOLOGICAL DESCRIPTION	ALTERATION D A	G B	Si C	Se D	M E	FRACT INTENSITY	T	K
				114.5-115.4m. - dk grey, pyritic (~5%) 5Cf - small (<2cm) fault breccia zone @ 114.9m. - oriented at 35° TCA.								
				115.4-118.9 m. - med. grey, w-CBx aphanitic 5Cf - <0.5% fine, thinly laminated light green tuffaceous bands @ 80°-90° TCA. - one 0.5 cm wide white, vuggy QSTR @ 25° TCA. - trace pyrite.								
			118.9-133.3	FAULT ZONE (STRONG). - the predominant rock type in this interval is m-D, m-G, w-Si, w-K altered pyritic (up to 5%) 5Ca - lesser amounts of med. grey w-CBx aphanitic pyritic (up to 5%) 5Cf. occur in the first 4.0m of this interval. - the interval is w-m-broken angular fragments - there may only be one fault throughout which is oriented @ 5°-15° TCA (parallel to core). - the fault (strong) is comprised of very fine rock dust and angular fragments of 5Cf + 5Ca (<1.0cm) which are set within a predominantly grey quartz matrix; some of the matrix is also white crystalline (vuggy) quartz and grey chalcedony. - pyrite associated with the rock fragments (within frags and along walls of fragments. - light green blebs of K alteration. - no visible slickensides								

 PROJECT: Erickson HOLE No. M90-754

MINERALIZATION DESCRIPTION	TOTAL SULPHIDE	INTERVAL	WIDTH	ASSAY NUMBER	ppb Au	ppm Ag	%			COMPOSITE ASSAYS
114.5-115.4 m. - pyrite occurs mainly as fine fractures @ 0° TCA; also occurs as very fine grained disseminations.										
115.4-118.9 m. - trace very fine dissem. py.										
118.9-133.3 m FAULT ZONE - approximately 3% (up to 5%) fine grained dissem. pyrite associated within the frags and along frag. walls.										
		126.8-127.9	1.1	E23853	38 ppb	0.6 ppm				
		127.9-128.4	0.5	E23854	25 ppb	0.8 ppm				
		128.4-129.3	0.9	E23855	44 ppb	1.5 ppm				
		129.3-130.4	1.1	E23856	65 ppb	0.8 ppm				
		130.4-130.8	0.4	E23857	57 ppb	0.2 ppm				
		131.1-132.3	1.2	E23858	199 ppb	1.4 ppm				
		132.3-133.3	1.0	E23859	49 ppb	0.4 ppm				

PAGE 9 OF 23 | PROJECT: | HOLE No. M90-750

DEPTH (METRES)	% Core Recy	LITHOLOGY	STRUCTURE	GEOLOGICAL DESCRIPTION		ALTERATION D A	G B	Si C	Se D	M E	FRACT INTENSITY	T	K
				133.3-135.5	VOLCANICS (5Ca)								
					- moderate buff-green coloured, w-CBx, m-D, w-K, w-Si. 5Ca								
					- clay alteration is present of milky white-green coloured fine stringers (~1mm) and disseminated blebs.								
					- fine randomly oriented ASTE's (<2mm wide) throughout.								
					- FW contact @ 25° TCA.								
				135.5-									

PAGE 10 OF 23 | PROJECT: MAIN MINE | HOLE No. M90-750

MINERALIZATION DESCRIPTION	TOTAL SULPHIDE	INTERVAL	WIDTH	ASSAY NUMBER	%	%	%			COMPOSITE ASSAY

 PROJECT: MAIN MINE HOLE No. M90-750

DEPTH (METRES)	% Core Recy	LITHOLOGY	STRUCTURE	GEOLOGICAL DESCRIPTION		D A	G B	Si C	Se D	M E	FRACT INTENSITY	T	K
		5Ca	/	135.6-135.9	Tuff L-GRY $\bar{w}$ G in fract., limonite STAIN, CONTORTED fol'n, w-G alt, f.g. Py [ ] in fract. See SAMPLE # 26820								
136		5Ce		135.9-137.1	Chert m-GRY chert-Bx $\bar{w}$ rounded frag's, broken core, vuggy, open space filling $\bar{w}$ Qz & carb, rock is fairly well bkn, G alt is m, pervasive & IN fract. Limonite staining in fract's & vugs								
137		7C		137.1-138	LISTWANITE GRN & mGRY - m-M alt, si-carb alt core $\bar{w}$ w to i-G alt, over-all m-G, irreg fol'n, limonite STAINING on fract. irreg. Qz str. locally pitted & vuggy. Pervasive M, mod Jt'd, prominant fract ∠ 30° TCA								
138		7		138-140.1	LISTWANITE DK GRN, well fol'd fol'n ≈ 50° TCA, $\bar{w}$ pale green pods of T, M & D on fol'n planes, limonite STAINED, Rock is bkn @ 139.2								
140													

PAGE 12 OF 23 | PROJECT: MAIN MINE | HOLE No. M 90-750

MINERALIZATION DESCRIPTION	TOTAL SULPHIDE	INTERVAL	WIDTH	ASSAY NUMBER	%	%	%			COMPOSITE ASSAY

PAGE 13 OF 23 | PROJECT: MAIN MINE | HOLE No. P90-750

DEPTH (METRES)	% Core Recy	LITHOLOGY	STRUCTURE	GEOLOGICAL DESCRIPTION		ALTERATION D A	G B	Si C	Se D	M E	FRACT INTENSITY	T	K
		7b		140-141.9	LISTWANITE M-GRY, T-Carb alt core, MASSIVE 140 to 141 then well fol'd at 45° TCA generally but some contorted, LAYERS of green T, also green K, & chl & G.D layers some limonite STAIN, Qz VEINLETS thru core, 111.8 & 111.9 py & tiny irreg. Qz STR. lower CONTACT ≈ 70° TCA								
141													
142				141.9-161.1	VolcANIC 142.1-142.5 m GRY, M-Si alt w̄ Py, bet 141.9-142 1-D, Bet 142.5 to 143.8 Pale grn w̄ local 1-c.b. overall w-c.b., i-K-rock completely powdered 143.5 to 143.8 w̄ pale grn T in tiny 1mm pods 143.8-152.4 m-GRN, w-D, chl in fract-, wk Qz-carb alt. m-grain, a few wht Qz-carb STR's as well as wht calcite STR, fairly MASSIVE f.g. py in fract-'s form STR's								
144		5Ca											
145													

PAGE 14 OF 23	PROJECT: MAIN Mine										HOLE No. M90-750
MINERALIZATION DESCRIPTION	TOTAL SULPHIDE	INTERVAL	WIDTH	ASSAY NUMBER	%	%	%				COMPOSITE ASSAYS
		141									
		142									
Py - f.g. cubes Dissem thru core - Trace AMT											
Tiny WhT QZ veinlets w Py [ ] in veinlets, m to c grains some cubes & some rounded grains ≈ 2% of core		144									
		145									

 PROJECT: MAIN MINE HOLE No. M90-750

DEPTH (METRES)	% Core Recy	LITHOLOGY	STRUCTURE		GEOLOGICAL DESCRIPTION
					152.4 to 155.3 Pale GRN to Buff, m-D alt, w-cb., w-Si, Qz-carb STR's 1-3 cm, wht OPAQUE Qz, 20° TCA, some limonite STAIN on fract. m-GRN volc. from 155.3 - 156.2 limonite STAIN, JT ∠ ≈ 38° TCA, 156.2 to 161.1 DK green almost blk volc. w-Si, Calcite Dol STR, bet 160.7 to 161.1 wht OPAQUE Qz STR w̄ Red mineral in Qz.
150		5Ca			
160				161.1-161.4	FLT ZONE fine grain powdered pale green rock becomes BKN w̄ angular fragments at 161.3 to 161.4
162		10b		161.4-176.2	MAFIC DIKE DK GRN massive mafic Dyke w̄ chl alt clasts from 161.4 to 162.9. Calcite veinlets 20° to 30° TCA, wk fract., i-K alt 161.4 to 162.3, Biotite thru core, pale GRN i-K powdered rock 162.3 to 162.9. Redish buff color 162.9 - 167.1, i-D, i-K,
164					

ALTERATION: D (A), G (B), Si (C), Se (D), M (E); FRACT INTENSITY; T; K

PROJECT: MAIN MINE

HOLE No. M90-750

MINERALIZATION DESCRIPTION	TOTAL SULPHIDE	INTERVAL	WIDTH	ASSAY NUMBER	%	%	%			COMPOSITE ASSAY
		150								
		160								
		162								
		164								

PAGE 17 OF 23 | PROJECT: MAIN MINE | HOLE No. M90-780

DEPTH (METRES)	% Core Recy	LITHOLOGY	STRUCTURE	GEOLOGICAL DESCRIPTION	ALTERATION D A	G B	Si C	Se D	M E	FRACT INTENSITY	T	K
		10b		crumbled bkn rock, m-grain trace, TrPy Qz-STR, WHT Qz, irreg orientation, wk si								
				167.1-172.9 Pale grey ѿ chill margins, 35°TCA, large phenocrysts up to .8 cm wht clay alt bands as well as hematite, limonite staining on fract, mod Jting, fract's 55° TCA. Rock is bkn bet. 168.2-170.1, bx bet 169.1-169.5 C-D, w-G, hematite'd limonite stained								
170				170.1-172.9 - well bkn JT fract intensity is strong @ 40° TCA								
173				172.9-173.6 Pale grn, c. grain, limonite stain, m-D, i-K, powdered rock bet 173.5-173.6, WHT phenocrysts, mod Jt fract generally 70° TCA								
				173.6-173.9 Pale grn i-K, m-D WHT phenocrysts, bkn core - Pl+ bet 173.9-174.3 DK GRN rock frags								
174				174.3-175.6 DK GRN, coarse grain ѿ tiny irreg calcite strs								
				175.6-176 v.f.g. dk grn ѿ tiny calcite str's, irreg.								
				176.1-176.6 chill margin Pale green to grey 30° TCA WHT opaque Qz in irreg veinlets & clasts								
175												

PAGE 18 OF 23	PROJECT: MAIN MINE	HOLE No. M90-750

MINERALIZATION DESCRIPTION	TOTAL SULPHIDE	INTERVAL	WIDTH	ASSAY NUMBER	%	%	%			COMPOSITE ASSAYS
v.f.g Py dissem thru core, pale grey mineral ō Py - Magnetic ≈ 10% Py		167.1-172.9								
		170								
		173								
		174								
		175								

 PROJECT: MAIN MINE HOLE No. M90-750

DEPTH (METRES)	% Core Recy	LITHOLOGY	STRUCTURE		GEOLOGICAL DESCRIPTION	ALTERATION D A	G B	Si C	Se D	M E	FRACT INTENSITY	T	K
		10b											
176				176.6-190.2	Chert								
					176.6-184.1								
					Ribbon chert, dk GRY & GRN								
					Bands 35° to 50° TCA, w-K								
					@ 178.6 Pink-D in fract.,								
					wht opaque Qz in irreg								
					fract. D fract-filling, generally								
					30° TCA, w-D, w-Si, m-G,								
		5Cf			184.1-187.4 grey chert w̄ pale								
					grey rexTallized chert bands.								
					187.4-190.2 - Pale grn w̄ tuff								
180					bands, w-K, limonite stained,								
					w-D from 189.5-190.2, Qz STRS								
					some irreg & also 15° TCA, vuggy								
					druzy Qz, w-G, open space								
					filling, 1-Si, Py								
					wK JTS oriented 45° & 70° TCA								
190				190.2-193.6	Tuff								
					1-K, Powdered RK 191.1								
					M GRN, locally buff near upper								
					contact, w-G, w-c.b. wht Qz								
					STRS, irreg & 45° TCA, w-SP, wht								
					2-3 mm Talc grains weakly JTed								
					50° TCA								
				193.6-194.2	Chert								
					Pale gry, 1-c.b., M-G localized								
194					in fract w̄ Py, irreg wht Qz veinlets								

 PROJECT: Main Mine HOLE No. M90-750

MINERALIZATION DESCRIPTION	TOTAL SULPHIDE	INTERVAL	WIDTH	ASSAY NUMBER	%	%	%			COMPOSITE ASSAYS
		176								
		180								
Py localized in fract. f to m.g. Py, in open space filling forms thin bands, massive Py. also cubes. Tarnished also some v.f. dissem 1%		185.9-190.2								
		190								
193.7-194.7 v.f.g-mg Py localized in fract form vnlets up to 2mm accross open space filling forms network texture ≈ 5% of core. Asso w̄ G, Tarnished 194.7-195.8 Tr Py										
		194								

PAGE 19 OF 23	PROJECT: MAIN MINE	HOLE No. M90-758

DEPTH (METRES)	% Core Recy	LITHOLOGY	STRUCTURE	GEOLOGICAL DESCRIPTION		ALTERATION D A	G B	S. C	Se D	M E	FRACT INTENSITY	T	K
		5cA			a few MM in width, bx zone w rounded .3 to 2cm frag's of chert. wht Qz w carbonate matrix, Pale yellow limonite stain, Py in interstices, open space filling, druzy Qz, mod fract. 55° TCA.								
195				194.2-201.7	Cherty Tuff Grey (Pale) i-D, lots of Py, Qz-carb strs thru core yellow, wht, in color and opaque grey Qz strs, limonite stained on fract's, bet 198.3 to 198.4 - i-K alt powdered rock 7cm Qz str @ 200.9								
200		Bx		201.7-203.8	Bx Zone Tuff bx frag in wht Qz-carb matrix, vuggy open space filling, druzy Qz, limonite staining. v-f g Py w G-Py is almost massive								
				203.8-204.9	Volcanic Pale grey, m-cb, i-D, m-G localized in fract., Pale grey opaque Qz & wht Qz strs. wht Qz str irreg- runs along axis D in fract, hairline limonite staining Py pervasive & in fract.								
204		5Cb		204.9-206	Volcanic Pale green to 205.6 grades to m green, massive, f. grain w-c-b - chl in fract								
206													

 PROJECT: Main Mine HOLE No. M90-750

MINERALIZATION DESCRIPTION	TOTAL SULPHIDE	INTERVAL	WIDTH	ASSAY NUMBER	%	%	%			COMPOSITE ASSAYS
		195								
195.8-196.4										
Bx zone - irreg Py strs formed										
within Qz matrix, in resealed fract										
Py also occurs as blebs w Qz										
frags within & rimming Qz.										
Py - G flooding, vfg Py = 3% of core										
196.4-197.6 v.f. dissem Py, localized										
in tuffaceous sections, <1% of core										
197.6-198 v-fg Py localized in sealed										
fract's, irreg. 2% of core		200								
198-199.4 - no Py										
199.4-201.7 v. fg. Py, [ ] in										
fract forms vnlets, netwk,										
openspace filling, also pervasive										
assoc w G., Py forms ≈ 5%										
of core.										
201.7-203.8 Bx zone. v.f.g. Py										
localized in fract, forms network										
text. some open space										
filling. Py is 4% of core		204								
Py, massive locally f.g.										
Py. localized in fract										
large 2-3 cm across										
fract filling assoc w G.										
sericite, pale green ≈ 10%										
of core										
		206								

PROJECT: Main Mine

HOLE No. M90-750

DEPTH (METRES)	% Core Recy	LITHOLOGY	STRUCTURE		GEOLOGICAL DESCRIPTION
				206-206.7	Volcanic Buff, f.g. l-D, massive, w-cb w-G, GIN fract, wht opaque QZ STr, weak JT fract Py Pervasive & in fract.
				206.7-208.7	Pale green, mD, l-K, powdered rock bet 206.7-207.3, 208.2-208.7, wht carb STr, irreg, l-K BKN rock 207.3-207.6
208				208.7-217.8	Volcanic Massive Green f.g. chl alt w chl in fract. Pillows bet 209-211.
		5Cb			
210				217.8-218.2	Volcanic m-Gen, Pillows w-D, f.grain, wk fract, JTS 60° TCA
				218.2-219	Buff, m G, l-D, Py, limonite stained, hematite, BKN, JT fract is strong prominant angle is 45° TCA.
				219-221	Dike Dacite, Pale grey, Qz feldspar rounded grains, open space filling w druzy Qz & carbonate wk, limonite staining, Py & magnetite, veinlets of Py at margins & also blebs, lower chill margin 35° TCA. Banded Py & also Qz, irreg druzy Qz in chill margin
220		10a			
221					

ALTERATION: D (A), G (B), Si (C), Se (D), m (E); FRACT INTENSITY; T; K

 PROJECT: MAIN MINE HOLE No. M90-750

MINERALIZATION DESCRIPTION	TOTAL SULPHIDE	INTERVAL	WIDTH	ASSAY NUMBER	%	%	%			COMPOSITE ASSAYS
fine GRAIN Py - v.f.g. dissem thrucore Assoc w̄ G, composes 2% of core		206-206.7								
		208								
		210								
218-219 v.f.g Py localized in fractures, forms 3cm blebs some massive Py, veinlets of Py at upper chill margin										
219-221 1-8 mm rounded blebs of BLK - magnetite, 3% Py 3% magnetite Lowerchill margin banded & massive Py, f-Diss. fg Py Localized in bands bet 220.7 - to 221		220								
		221								

PROJECT: MAIN MINE

HOLE No. M90-750

DEPTH (METRES)	% Core Recy	LITHOLOGY	STRUCTURE		GEOLOGICAL DESCRIPTION	ALTERATION D A	G B	Si C	Se D	M E	FRACT INTENSITY	T	K
		5b		221-221.3	Volcanic Buff to med green, mGrain w-G 221-221.1. w̄ Py ≈ 3% of core. Ediss, M-D, EOH								
222													

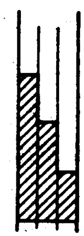
ERICKSON GOLD MINING CORP.

MINERALS SECTION

DRILL LOG

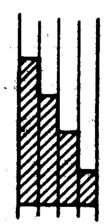
PROJECT MAIN MINE	**GROUND ELEV.** 1607.457
HOLE No. M90 - 751	**BEARING** 162.8°
LOCATION 63,895.473 N 62,490.903 E.	**DIP** 58.6°
	TOTAL LENGTH 241.5
LOGGED BY D. Ball	**HORIZONTAL PROJECT**
DATE Sept 13/90	**VERTICAL PROJECT**
CONTRACTOR D.J. Drilling	
CORE SIZE NQ	
DATE STARTED Aug 26/90	
DATE COMPLETED Aug 31/90	

ALTERATION SCALE



absent
slight
moderate
intense

TOTAL SULPHIDE SCALE



traces only
< 1%
1% – 3%
3% – 10%
> 10%

DIP TESTS

100.6	166°	59°
172.5	174°	60
241.4	176°	61

COMMENTS

LEGEND

PAGE 1 OF 16 | PROJECT: Main Mine | HOLE No. M90-751

DEPTH (METRES)	% Core Recy	LITHOLOGY	STRUCTURE		GEOLOGICAL DESCRIPTION	ALTERATION D A	G B	Si C	Se D	M E	FRACT INTENSITY	T	K
		OB		0-6.6	O/B								
				6.6 to 141.5	Argillite								
					BLK with gry silty beds. broken core 6.6 - 20.1, Major fract. ∠ 50° to 55° TCA, Calcite & Carb on fract. surfaces. Qz stringers, Graphite on fract. surfaces. Silty beds 45° to 55 TCA locally distorted, cubes of py thru core @ 36.3 m								
50					large blebs @ 51.6 m. 58 to 59.1 m Druzy Qz & carb vuggy stringers Bet. 61.4 to 90.2 large sections of completely broken graphitic rock								
			≈		Flt 81.5 to 83.3, 86.3 to 88.1 88.2-90.2, flt gouge, carb matrix some more flts @ 95.6, 94.8, 96.8 to 98.								
100		50%			Very graphitic up to 99.2 More silty from 99.2 down with a number of Qz veins. Qz is white w/ large xtals from 106.9 to 107.1, 108 to 108.1, 108.4 to 108.6, 108.9 to 109.2 some v.f.g. Py								
					silty beds increase in % of core & ∠ goes to 15° TCA								
120					Qz STRS 125.1 to 134. .5 to 10 cm 20 to 90° TCA distorted silty beds								
130													

PAGE 2 OF

PROJECT: Main Mine

HOLE No. M90-751

MINERALIZATION DESCRIPTION	TOTAL SULPHIDE	INTERVAL	WIDTH	ASSAY NUMBER	~~%~~ oz/ton Au	~~%~~ oz/ton Ag	%			COMPOSITE ASSAYS
106.9-107.1 60° TCA, a										
few Lular SDd clasts										
white QVG										
108 -108.1 STRingers 90°TCA										
108.4-108.6 - STRS 60° TCA										
no sulphides										
108.9-109.2 BX WHT QZ										
ω SDd clasts minor fol'n										
30°-50° TCA										
109.3-109.7 WHT QZ ω										
clasts of SDd minor carb										
ST N										
115.2-116.2 WHT XTalline			1	E23860	0.084	0.02				
QZ ω Lwar SDd clasts										
& minor G STYLOLITES, barren										
119.6-119.8 same			.2	E23861	<5 ppb Au					
120.3 - 120.7			.4	E23862	19 ppb Au					
121.8 - 121.9			.1	E23863	20 ppb Au					
124.5 -124.8			.3	E23864	[illegible] ppb Au					

 PROJECT: MAIN MINE HOLE No. M90-751

DEPTH (METRES)	% Core Recy	LITHOLOGY	STRUCTURE		GEOLOGICAL DESCRIPTION	ALTERATION D A	G B	Si C	Se D	M E	FRACT INTENSITY	T	K
					graphite 137.9 to 138.3								
		5Dd			clasts of silt, Q strs -60°TCA 138.3 to 140.7								
140		10b		141.5-142.6	U/M Dike Green, chl alt coarse grained serpentinized locally, red mineral ? Jasper in patches. Upper contact 40° TCA, Qz str 2cm chill margin, grey small black clasts								
145		5Dd		142.6-152.9	Argillite Black w numerous silt clasts, dist beds, several Qz strs. VN 142.1 to 148.5 graphitic lower contact Flt 151.4 gouge & 35TCA 10 cm section minor py [ ] in 149.9-150.4								
150		QVg	≈	152.9-153.4	QVg White xtalline Qz w large xtals. no visible sulphides present. Upper & lower contact 70° TCA. elongated clasts & bands of argillite at lower contact, & some minor argillite near upper contact. Graphite on surface of contact								
155		5Dd											

PAGE 4 OF | PROJECT: MAIN Mine | HOLE No. M90-751

MINERALIZATION DESCRIPTION	TOTAL SULPHIDE	INTERVAL	WIDTH	ASSAY NUMBER	%	%	%			COMPOSITE ASSAYS
125.1 - 125.4			.3	E23865	42	PPb	Au			
139.2 - 139.7 White Qz w large xtals no visible sulphides			.5	E23866	16	PPb	Au			
143.2 - 143.4 Same			.2	E23867	45	PPb	Au			
148.1 - 148.5 WHT xtalline Qz w argillaceous clasts										
White Qz VEIN - Barren			.5	E23715	N/A	(was never assayed?)				

 PROJECT: Main HOLE No. M90-751

DEPTH (METRES)	% Core Recy	LITHOLOGY	STRUCTURE	GEOLOGICAL DESCRIPTION		ALTERATION D A	G B	Si C	Se D	M E	FRACT INTENSITY	T	K
		5Dd		153.4-160.3	Argillite BLK Argillite with silty clasts & dist beds, Qz strs 156.1 to 156.3 70° TCA. Graphite in fract @157.3. White str 80° TCA. core is locally pitted & vuggy, euhedral py grains 2-5 mm @ 158.8, local graphitic bands 155.2 to 160.2								
160		5Ce		160.3-170	Chert Grey w l-C.B. Limonite stained fract 25° to 55° TCA some w carb filling. upper contact is l-G alt with Qz clasts 160.3 to 160.9 - rxtallized chert. Druzy Qz on fract surfaces 55° & 30° TCA .5 to 1 cm stringer xtals & 1-2 mm lower contact 60° TCA.								
170		5Ca		170-179.4	Volcanic - Pale green Fine grained fairly massive 170.1 - 172.6 m D, l-C.B graphite in fract. Qz strs 172.6-179.0 med to DK grn fine grain, m-l C.B. 179-179.4 Buff l-c.b; m-G Qz strs & 30° TCA								
180		7b		179.4-183.4	Listwanite m-Gry, locally pale grn well foliated 55° TCA, Pale green talc in pods, bands of G & G fract. filling. Green-Qz carb alt. minor serpentine (asbestos), Qz strs locally beige 1-3 mm pods of w K alt								
182													

PAGE 6 OF	PROJECT: Main Mine	HOLE No. 90-751

MINERALIZATION DESCRIPTION	TOTAL SULPHIDE	INTERVAL	WIDTH	ASSAY NUMBER	%	%	%			COMPOSITE ASSAYS

 PROJECT: Main Mine HOLE No. M90-761

DEPTH (METRES)	% Core Recy	LITHOLOGY	STRUCTURE	GEOLOGICAL DESCRIPTION	
		7a		183.4-183.7	Listwanite m-green well foliated Serpentinized, chl, minor G Q strs at lower contacts 80° TCA 1cm accross local K alt.
		7c		183.7-183.9	Listwanite Buff 1-2 mm green m Bds m-M, upper & lower contact 60°TCA
184		5CA		183.9-187.7	Chert GRY chert ω 1-C.B. graphite in fract. m-G, limonite stained fract. carb 1mm fract. filling ? flt @ 187.2 bx - white Qz matrix ω clasts of i-G alt chert flt ≈ 40° TCA
				187.7-215.7	Volcanic
188		5Cb			187.7-187.9 Buff, i-D alt, massive, fine grain, w-C.B. w-G, broken upper contact 187.9-192.8 d-GRN, some chill margins & structures, Chl & Ep in fract. fine grain Qz fract. filling in fractures. 25-40° TCA. Also some wk silicification of the core. Lower contact 35° TCA 1-2 mm fract. filling + irreg contorted veinlets of Qz
190					192.8-193.8 Pale grey, fine grain, i-D, m-CB graphite in fract. some Qz veinlets 1-5 mm. some opaque Qz. grey - contemp ω G & Py flooding
192					

ALTERATION: D (A), G (B), Si (C), Se (D), M (E); FRACT INTENSITY; T; K

PAGE 8 OF	PROJECT: Main Mine								HOLE No. M90-751
MINERALIZATION DESCRIPTION	TOTAL SULPHIDE	INTERVAL	WIDTH	ASSAY NUMBER	~~%~~ oz/ton Au	~~%~~ oz/ton Ag	%		COMPOSITE ASSAYS
F.g. Py [ ] in fract. w̄ G forming net texture or blebs. Grey silica vuggy w̄ some druzy Qz w̄ xtals <1mm, limonite staining some carb		193.2-193.6	0.3	28225	0.003	0.02			

PAGE 9 OF 16 | PROJECT: MAIN Mine | HOLE No. M90-75

DEPTH (METRES)	% Core Recy	LITHOLOGY	STRUCTURE	GEOLOGICAL DESCRIPTION
				2 STAGES of Silica influx grey Qz is well fract. & assoc ū G & Py. white Qz is later. limonite STAINING & some carb assoc. ū white Qz.
				193.8 - 197.3 Pale green, m-D some struct. locally int. fract. ū chl & EP.
196				White OPAQUE Qz somewhat locally pitted, white cream colored spots, some limonite STAINING on fract. surfaces.
				197.3 - 198.2 BUFF ū l-C.B., l-D, Qz STRINGER, OPAQUE white Qz ū carb patches 5° TCA x 2 cm accross, fine grain, graphite
198				198.2 - 198.7 Pale green - same as above
				198.7 - 198.9 BUFF volc. same as above
		5b		198.9 - 201.7 Dark grn, fine grain ū STRUCTURES some 1-3 mm Qz stringers generally 40° TCA also 2 contorted 2 cm STR'S
200				201.7 - 204.6 GREY, l-D, m-C.B. OPAQUE white Qz STRS, broken core 197 - 197.1, STRS 45° TCA pitted creamy carb patches limonite STAINING, GRAPHITIC fract.
205				

ALTERATION: D (A) | G (B) | Si (C) | Se (D) | M (E) | FRACT INTENSITY | T | K

PAGE 10 OF	PROJECT: MAIN MINE	HOLE No. M 90-751

MINERALIZATION DESCRIPTION	TOTAL SULPHIDE	INTERVAL	WIDTH	ASSAY NUMBER	%	%	%			COMPOSITE ASSAYS
Py - f.g. [ ] in bands 45° TCA & fract filling 5% of core also 1mm diameter of disseminated, rounded grains of Py in volc										
Py - vfg [ ] in fract. w grains of Py thru volc Assoc w G										

PAGE 11 OF 16	PROJECT: Main Mine	HOLE No. M90-751

DEPTH (METRES)	% Core Recy	LITHOLOGY	STRUCTURE		GEOLOGICAL DESCRIPTION
		5Cb		204.6-207.9	Volcanic Pale green, m-D alt w̄ increasing graphitic alt 206.3 to 207.8 - Shear zone alt rock w̄ clasts of 1-CB alt volc, 1-sheared with wht OPAQUE STRS along shear plane, shears generally 45° TCA
210		7b		207.9-212.8	LISTWANITE DK GRY, m-G, well fol. m-T, alt. with a few volc. bands. 3-5 cm fol = 40° TCA volc bands ∥ fol'n, some carb a few grains of f.g. py in G. fract. lower contact 60° TCA. limonite STAINED bands of G. 40° TCA, ∥ to fol'n, near lower contact
212					
		5Ca		212.8-215.9	VOLCANIC Pale Green - fine grain 1-C.B. locally pervasive limonite STAINED, wht-GRY QZ clasts, rusty leached zone w QZ seal, FLT zone 213-213.4, graphitic white to GREY QZ has sealed small faulted zone, open space with druzy QZ infilling 212.7 to 213.4. core is limonite STAINED on fract to increasing graphitic alt near lower contact 45° TCA
214					
216					

ALTERATION: D (A), G (B), Si (C), Se (D), M (E); FRACT INTENSITY; T; K

PAGE 12 OF	PROJECT: Main Mine										HOLE No.
MINERALIZATION DESCRIPTION		TOTAL SULPHIDE	INTERVAL	WIDTH	ASSAY NUMBER	%	%	%			COMPOSITE ASSAYS

 PROJECT: MAIN MINE HOLE No. M96-751

DEPTH (METRES)	% Core Recy	LITHOLOGY	STRUCTURE	GEOLOGICAL DESCRIPTION	ALTERATION D A	G B	Si C	Se D	M E	FRACT INTENSITY	T	K
		5Ch		215.7-216.8 Chert								
				Pale grey chert w i-C.B & i-G - color is d-grey, bands of G. ≈ 50° TCA w shear planes & grains of py 1-2 mm accross w G. Qz STRINGERS. WHT Qz .2 to 1cm 15-35° TCA								
218		5Cb		216.8-223.2 Volcanic								
				Pale GRN i-cb fine grain i-limonite stained & leached & bkn rock. flt zone from 220.9 - 223.2. Quite pitted & leached some struct. G in fract locally pervasive, wht Qz stringers, 2-5cm accross Xcut by pale GRY OPAQUE STRINGERS Rock is very bkn lower contact 25° TCA @ 222.6 BX, GREY QZ sealed BX								
220				223.2-225.4 clasts of 5cb, WHT Qz, chert sealed in DK GREY Silica. - Upper contact 15° TCA. BX completely bkn, limonite STAINED, leached at upper contact Some K alt. specs of K in clasts, runs down core from 224.3 to 225.4								
225		BX		225.4 - 229.9 BX								
				Tuff & chert frag. in G Matrix i-leached upper contact & @ 228.8 limonite & hematite staining 227.6-229.9 rxtalized chert chert is bkn								
230												

PAGE 14 OF | PROJECT: Main Mine | HOLE No. M90-751

MINERALIZATION DESCRIPTION	TOTAL SULPHIDE	INTERVAL	WIDTH	ASSAY NUMBER	%	%	%			COMPOSITE ASSAYS
rounded 1-2mM grains of py assoc w̄ G thru chert ≈2% Py										

PROJECT: MAIN MINE

HOLE No. M90-751

DEPTH (METRES)	% Core Recy	LITHOLOGY	STRUCTURE		GEOLOGICAL DESCRIPTION
		5cf		229.9-239.1	Chert
					Pale grey w̄ l-CB & m-G, leached with i-limonite, m-hematite, core v-broken 229.9 to 234.2. V.F.G Py in fract. Py-IS NET TEXTURE some bands of tuff thru the chert. Small STRINGERS of Qz & carb. Some white REXTALIZED CLASTS of chert
240		BX		239.1-240	BX
					Clasts of grey to blk, l-CB chert in Qz carb matrix, subr clasts 1-5cm. Py in fract. locally Nuggy, some w-K,
		5cf		240.-241.5	Chert
					m-GREY, l-C.B. m-G, limonite stain, massive Py in fract, white clasts of rextralized Qz, some carbonate alt, w-K alt.
242					EOH

ALTERATION: D (A), G (B), Si (C), Se (D), M (E); FRACT INTENSITY; T; A

PAGE 16 OF 16 | PROJECT: MAIN MINE | HOLE No. M 90-751

MINERALIZATION DESCRIPTION	TOTAL SULPHIDE	INTERVAL	WIDTH	ASSAY NUMBER	%	%	%			COMPOSITE ASSAYS
Py- v.f.g. [ ] in fract. assoc. w̄ G. some TARNISHED. ≈ 3% of core										
v.f.g. py [ ] in fract. forming a network texture stringers, & blebs in the interstices 3% of core										
v.f.g. py in fract w G forms strs & blebs, ≈ 2% of core										

PAGE OF

PROJECT: MAIN MINE

HOLE No. M 90 -751

DEPTH (METRES)	% Core Recy	LITHOLOGY	STRUCTURE	GEOLOGICAL DESCRIPTION	ALTERATION					FRACT INTENSITY		
					A	B	C	D	E			

atlas - 255-8444

ERICKSON GOLD MINING CORP.

MINERALS SECTION

DRILL LOG

PROJECT: MAIN MINE	GROUND ELEV.: 1505.284
HOLE No.: M90-752	BEARING: 151° 18'
LOCATION: 63,790.766 N 61,885.177 E	DIP: -71° 11'
	TOTAL LENGTH: 230.7 m
LOGGED BY: D Ball	HORIZONTAL PROJECT:
DATE: Dec /90	VERTICAL PROJECT:
CONTRACTOR: D.J Drilling	**ALTERATION SCALE** absent slight moderate intense
CORE SIZE: H.Q.	
DATE STARTED: Aug 31, 1990	**TOTAL SULPHIDE SCALE** traces only < 1% 1% – 3% 3% – 10% > 10%
DATE COMPLETED: Sept 4, 1990	
DIP TESTS:	
COMMENTS	LEGEND

DIP TESTS

depth	Az	Dip
108.2	149.0°	-73.5°
211.8	150.0°	-76.0°

PAGE 1 OF 21	PROJECT: MAIN MINE	HOLE No. M90-752

DEPTH (METRES)	% Core Recy	LITHOLOGY	STRUCTURE		GEOLOGICAL DESCRIPTION
		CASING		0 - 6.1	C.S.
		CASING		6.1 - 8.5	LISTWANITE Med green, chl alt, well fol at 45° TCA, Limonite STAINED 1-5 mm calcite/Dol stringers 45-90° TCA
5		7b		8.5 - 9.1	LISTWANITE Pale grey, fairly MASSIVE m.T, w-D, alt w- G-m small grains, a few carb stringers 50° TCA
		7b		9.1 - 11.9	LISTWANITE INTENSE LIMONITE STAINED MED green - contorted, carbonate stringers 1-5mm
10		7a			
		5Ca		11.9 - 16.8	Volcanic Med green, W-D, i.K@14.5 to 15.8 rock is totally disintigrated Qz stringers 15° TCA, 1cm accross fairly massive, ū locally intense fracturing ū chlorite in fractures, med grained
15					
		7a		16.8 - 20.4	LISTWANITE med green, well foliated somewhat contorted foliations mod limonite staining and G along fractures & foliation planes a few minor contorted Qz stringers
20					

ALTERATION					FRACT INTENSITY	T	K
D A	G B	Si C	Se D	M E			

PROJECT: MAIN MINE	HOLE No. M90-752

MINERALIZATION DESCRIPTION	TOTAL SULPHIDE	INTERVAL	WIDTH	ASSAY NUMBER	%	%	%			COMPOSITE ASSAYS

PROJECT: MAIN MINE

HOLE No. M90-752

DEPTH (METRES)	% Core Recy	LITHOLOGY	STRUCTURE		GEOLOGICAL DESCRIPTION
				20.4-20.5	FLT ZONE
					completely bkn core, Qz STR 70° TCA at upper CONTACT
		FLT ZONE		20.5-23.9	Volcanic
		5Cb			Lt GRN, f-GRN, limonite STAIN on fract. fract ∠ 60° TCA, Qz-carb STRS, some pillow struct. present & some co red mineral. ? hematite
21					20.5-21.5 GRY-i-D, bet 22.3 to 23.1 w-K, L-K locally @ 22.6 & 23.1 m & 23.9.
				23.9-27.6	LISTWANITE
25		7a			m-GRN, limonite STAINED, chl ep alt, m-fol'n some local fol'n 50° TCA, TINY 1-2mm calcite, carb veinlets along fol'n & also contorted veinlets, lower contact 70° TCA
		5Cb		27.6-28.3	Volcanic
					LT GRN, pillow STRUCT., fine grain, m-C.B., chl in fract.
30		5Ce		28.3-41.9	chert 28.3-37.1
					LT-GRY, L-c.b. G in fract. bet 35.4 - 33.7 GRN chert, limonite STAINED on fract., m-G, clasts of wht chert.
					37.1 -41.9
40					GRN chert, m-fract, ribbon chert, short sections of GRY L-fract. chert, & REXTALLIZED chert local fol'n 50° TCA, w-K SPECS

Alteration columns
D (A), G (B), Si (C), Se (D), M (E), FRACT INTENSITY, T, K

PAGE 4 OF 21	PROJECT: MAIN MINE	HOLE No. M90-752

MINERALIZATION DESCRIPTION	TOTAL SULPHIDE	INTERVAL	WIDTH	ASSAY NUMBER	%	%	%			COMPOSITE ASSAYS

PAGE 5 OF 21	PROJECT: MAIN MINE	HOLE No. M90-752

DEPTH (METRES)	% Core Recy	LITHOLOGY	STRUCTURE		GEOLOGICAL DESCRIPTION
					of grey int-fract. chert c REXTALLIZED chert. fol'N locally 50° TCA. w-K specs of brn K, veinlets 1-5 mm width calcite STR'S 40° TCA, limonite STAINED.
				41.9-72.7	Volcanic (41.9-65 m) m-GRN- fine grain, pillow STRUCTS calcite infilling along fract. & in irreg contorted veinlets, limonite
60		5Cb			STAINED along fract., some hematite STAINING bet 47.8 to 49.9 w some py [?] in fract., flt at 48 m w gouge, leaching w limonite STAIN, locally int K alt w-D alt, rock is mod fract w local K alt-
65					65-66.7 Pale GRN, pillow STRUCT. Totally pervasive limonite alt rock bet 65.9-66.6 pitted m-D alt, w-Si
65					66.7-67.4 Buff, i-D alt, Qz STR 4cm wide @ 35° TCA, w-G localized in fract., w-Si, w calcite fract-filling - hair-line fracts
	72%				67.4-72.7 Lt. GRN, Locally int. D bet 68.9-70.6, 50% of core is i-K- pervasively alt rock is disintegrated, LIMONITE STAIN 50% of core
70					

ALTERATION columns: D (A), G (B), Si (C), Se (D), M (E); FRACT INTENSITY; T; K

PAGE 6 OF 21	PROJECT: MAIN Mine	HOLE No. M90-752

MINERALIZATION DESCRIPTION	TOTAL SULPHIDE	INTERVAL	WIDTH	ASSAY NUMBER	%	%	%			COMPOSITE ASSAYS
TR - Py [ ] in fract.										

 PROJECT: EASTERN CONTACT HOLE No. M90-752

DEPTH (METRES)	% Core Recy	LITHOLOGY	STRUCTURE		GEOLOGICAL DESCRIPTION	ALTERATION D (A)	G (B)	Si (C)	Se (D)	M (E)	FRACT INTENSITY	T	K
71	72	5Cb											
72	22.7			72.7-73.4	Q Vn Qz-Bx, WHT Qz clasts, G in fract., irreg fract, limonite STAINED SOMEWHAT pitted, Lular clasts, VUGGY ̄w cruzy QZ, .1-.4 cm XTALS, NO VISIBLE MINERALIZATION								
		Q VN											
74		5Cb		73.4-76.7	Volcanic 73.4-74.4 Buff, i-D alt, i-c.b. local G in fract, w-G, i-limonite in fract. & locally. Some m-g.Py dissem thru core, core is weakly fract. 74.4-76.7 m-GRN, w-D, limonite STAINED in fract., i, pervasive, hematite STAINED, m-K alt mod fractured.								
76		5Ce		76.7-78.3	Chert m-GRY, i-c.b., G in fract., w-G, limonite & K alt, ̄w local tuff bands, ft intensity is weak ̄w prominant fract ∠ = 50° TCA								
78													

PAGE 8 OF 21	PROJECT: MAIN MINE	HOLE No. M90-752

MINERALIZATION DESCRIPTION	TOTAL SULPHIDE	INTERVAL	WIDTH	ASSAY NUMBER	~~%~~ ~~%~~ oz/ton Au	Ag	%			COMPOSITE ASSAYS
Qz Vein		72.7 – 73.4	.3	23725	0.013	0.02				
		72.7 – 73.4	.7	E 23725	0.013	<0.02				
TR- m.g. Py Dissem thru core										

PROJECT: MAIN MINE

HOLE No. M90-752

DEPTH (METRES)	% Core Recy	LITHOLOGY	STRUCTURE		GEOLOGICAL DESCRIPTION
		5Cb		78.3-79.4	Volcanic Lt GRN, m-D, w-C.B, chl in fract. limonite staining on fract. w-Si, lower contact roughly 80° TCA.
80		5Cc		79.4-80.6	Chert m-GRY, banded chert, limonite stained on fract. weakly fract. major JT ∠ = 45°TCA. G in fract. & also i-G alt-pervasive DK GREY chert, c G Py dissem thru core.
		5Ca		80.6-104.1	Volcanic 80.6-85 Volcanic
85					m-GRN, w-D, w-Si, tiny veinlets thru core, wht opaque Qz massive, w-C.B., locally 85-93.7 Volcanic contact 65° TCA, DK GRN massive, bet 86.9-87.2 i-K limonite stained,
90					85-93.7 Volcanic contact 65° TCA, DK green Massive, Bet 86.9-87.2 i-K alt., limonite stained Flt zone - crumbled rock, minor Qz str & carbonate struct. 93.7-101.1 Pale green, m-D alt, Qz-carb on fract. surface Limonite stained, vuggy pitted
100					

ALTERATION: D (A), G (B), Si (C), Se (D), M (E); FRACT INTENSITY; T; K

PAGE 10 OF 21 | PROJECT: Main Mine | HOLE No. M90-752

MINERALIZATION DESCRIPTION	TOTAL SULPHIDE	INTERVAL	WIDTH	ASSAY NUMBER	%	%	%			COMPOSITE ASSAYS
<1 % Diss cubes & grains of c.g Py										

PAGE 11 OF 21 | PROJECT: MAIN MINE | HOLE No. M90-752

DEPTH (METRES)	% Core Recy	LITHOLOGY	STRUCTURE		GEOLOGICAL DESCRIPTION	ALTERATION D (A)	G (B)	Si (C)	Se (D)	m (E)	FRACT INTENSITY	T	K
		5Ca		104.1-104.1	Volcanic pale green volcanic w i-D & i-limonite staining. Bet 102.6-103.3 BKN Rock w i-limonite stain. m-flt zone some open space fract. filling w irreg. Qz veinlets <5mm accross width. carb. in fract. hairline fract. Qz in fract tiny <1mm KTALS, w-Si mod-Ited								
104		5Ce		104.1-106.7	Chert m-GRY, banded - bands oriented 65° TCA, m-G alt, Q.C. veinlets upto 8mm width generally 20° to 30° TCA, w-Si, wk bands of Tuff in pale green chert. Limonite staining on fract surfaces, lower contact 60° TCA open fract near lower contact bet 40 to 50° TCA w WHT calcite filling mod fract intensity								
106		5Cb		106.7-138.1	Volcanic (106.7-112.1) m-G, w-D, w-Si, some large chert clasts up to 11 cm tiny fract. w Q-carb filling 2 cm veinlet w vugs lined w druzy Qz, veinlet is 30° TCA Rock is BKN 106.7-107 then fract. intensity is M. 1 or 2 pillow structures.								
110					112.1-131.6 DK GRN, m-grain, chl alt, chl in fract., calcite STRS, 126.1-127.1 i-D alt, Qz STRS w carbonate 25° TCA, weak JT 60° TCA, some w-D 131.1-131.6								
120													

PAGE 8 OF 21	PROJECT: MAIN MINE	HOLE No. M90-752

MINERALIZATION DESCRIPTION	TOTAL SULPHIDE	INTERVAL	WIDTH	ASSAY NUMBER	~~%~~ oz/ton Au	~~%~~ oz/ton Ag	%			COMPOSITE ASSAYS
Qz Vein		72.7 – 73.4	.3	23725	0.013	0.02				
		72.7 - 73.4	.7	E 23725	0.013	<0.02				
TR- m.g. Py Dissem thru core										

PAGE 9 OF 21 | PROJECT: MAIN MINE | HOLE No. M90-752

DEPTH (METRES)	% Core Rcvy	LITHOLOGY	STRUCTURE		GEOLOGICAL DESCRIPTION
		5Cb		78.3-79.4	Volcanic LT GRN, m-D, w-C.B, chl in fract. limonite staining on fract. w-Si, lower contact roughly 80° TCA.
80		5Cc		79.4-80.6	Chert m-GRY, banded chert, limonite stained on fract. weakly fract. major JT ∠ = 45°TCA. G in fract. & also 1-G alt-pervasive DK GREY chert, c G Py dissem thru core.
		5Ca		80.6-104.1	Volcanic 80.6-85 Volcanic
85					m-GRN, w-D, w-Si, tiny veinlets thru core, wht opaque Qz massive, w-C.B., locally 85-93.7 Volcanic contact 65° TCA, DK GRN massive, bet 86.9-87.2 i-K limonite stained,
90					85-93.7 Volcanic contact 65° TCA, DK green Massive, Bet 86.9-87.2 i-K alt., limonite stained flt zone - crumbled rock, minor Qz str & carbonate struct. 93.7-101.1 Pale green, m-D alt, Qz-carb on fract. surfaces Limonite stained, vuggy pitted
100					

ALTERATION							
D (A)	G (B)	Si (C)	Se (D)	M (E)	FRACT INTENSITY	T	K

PAGE 10 OF 21 | PROJECT: Main Mine | HOLE No. M90-752

MINERALIZATION DESCRIPTION	TOTAL SULPHIDE	INTERVAL	WIDTH	ASSAY NUMBER	%	%	%			COMPOSITE ASSAYS
<1% Diss cubes & grains of c.c Py										

PAGE 11 OF 21 | PROJECT: MAIN MINE | HOLE No. M90-752

DEPTH (METRES)	% Core Recy	LITHOLOGY	STRUCTURE		GEOLOGICAL DESCRIPTION	D (A)	G (B)	Si (C)	Se (D)	m (E)	FRACT INTENSITY	T	K
		5Ca		101.1-104.1	Volcanic pale green volcanic w i-D & i-limonite staining. Bet 102.6-103.3 BKN Rock w i-limonite stain. m-flt zone some open space fract. filling w irreg. Qz veinlets <5mm accross width. carb. in fract. hairline fract. Qz in fract tiny <1mm xtals, w-Si mod-Jted								
104		5Ce		104.1-106.7	Chert m-GRY, banded - bands oriented 65° TCA, m-G alt, Q.C. veinlets upto 8mm width generally 20° to 30° TCA, w-Si, wk bands of Tuff in pale green chert. Limonite staining on fract surfaces, Lower contact 60° TCA open fract near Lower contact bet 40 to 50° TCA w WHT calcite filling mod fract intensity								
106		5Cb		106.7-138.1	Volcanic (106.7-112.1) m-G, w-D, w-Si, some large chert clasts up to 11cm tiny fract. w Q-carb filling 2 cm veinlet w vugs lined w druzy Qz, veinlet is 30° TCA Rock is BKN 106.7-107 then fract. intensity is m. 1 or 2 pillow structures.								
110					112.1-131.6 DK GRN, m-grain, chl alt, chl in fract., calcite STRS, 126.1-127.1 i-D alt, Qz STRS w carbonate 25° TCA, weak JT 60° TCA, some w-D 131.1-131.6								
120													

PAGE 12 OF 21	PROJECT: MAIN MINE	HOLE No. M90-752

MINERALIZATION DESCRIPTION	TOTAL SULPHIDE	INTERVAL	WIDTH	ASSAY NUMBER	%	%	%			COMPOSITE ASSAYS

PROJECT: MAIN MINE

HOLE No. M90-752

DEPTH (METRES)	% Core Recy	LITHOLOGY	STRUCTURE		GEOLOGICAL DESCRIPTION	ALTERATION D A	G B	Si C	Sc D	M E	FRACT INTENSITY	T	K
130					131.6-138.1 Volcanic								
					Buff, m-grain, mG on fract.								
					D grades from w to m								
					bet. 131.6 to 132. Calcite								
					veinlets & fract. filling - wht								
					in color, limonite staining								
					on fract. local m-C.B.								
					generally wk to mod. Qz								
					grey opaque assoc w G								
135					in fract. some 1/B chert								
		5Ca			137.3 - 138.1								
				138.1-139.2	Chert								
		5Ce			Pale grey, i-fract., w G in								
					fract., m-G, w-K, irreg								
					contacts, Tr Py.								
140				139.2-142.9	Volcanic								
					Pale green m-D, i-cb near								
					lower contact othewise w to m								
		5Ca			c.b., Chert clasts, limonite								
					staining on fract. surfaces,								
					lower contact 40° TCA. Fairly								
					large rounded clasts of								
					chert. JT fract ≈ 30-40° TCA								
		5Ce			w c = 2.								
				142.9-143.5	Chert								
145					DK GRY, i-G, i-C.B, limonite stain								

 PROJECT: Main Mine HOLE No. M90-752

MINERALIZATION DESCRIPTION	TOTAL SULPHIDE	INTERVAL	WIDTH	ASSAY NUMBER	%	%	%			COMPOSITE ASSAYS
		130								
v. fg. Py Dissem only a Tr.		131.6 – 138.1	6.5							
		135								
		140								
fg - mg anHedral to euhedral grains dissem thrucore & [ ] in fract.		145								

PAGE 15 OF 21	PROJECT: Main Mine	HOLE No 90-752

DEPTH (METRES)	% Core Recy	LITHOLOGY	STRUCTURE	GEOLOGICAL DESCRIPTION	ALTERATION D A	G B	Si C	Se D	M E	FRACT INTENSITY	T	K
		SCC		on fract, Qz-C & ser veinlet 15° TCA. Calcite on fract. surfaces tiny veinlets & fract. filling 30° TCA. Some open space fract filling, JT fract intensity in core is moderate approx 70° to 90° TCA. Core is bkn bet 150.8-151.2 Large angular pieces-blocky-core, Bet 150 & 154.3 core is m GRY w Qz STR'S running Roughly along core axis Bet. 154.3 to 154.9 core is M GRN & Tuffaceous w m-G & limonite stained. Bet 154.9 to 156.3 ι-G alt - BLK in color w calcite veinlets. Bet 156.3 -156.9 Tuff w K alt, ι-K from 156.5 to 156.7 - Rock is green & completely powdered. Bet 156.9 to 161.2 Pale green grey w tuffaceous BANDS K in fract. ι-C.B., m-G, G in fract., limonite STAINING. From 161.2-193.5 m-GRY, ι-C.B. local Qz STRS -w- Si, minor carbonate in fract - some limonite STAINING @ 171.2 pale rextallized chert w Py cube. Core is weakly Jointed w common fract. L's 60° & 20° TCA. BANDS of GREEN Tuff w chert - ribbon chert bet 177.9 to 183.2 & 190.5 to 192.5 Laminations ≈ 40° TCA. Py bet 192.5 & 193.5								
150												
160												
180												
190												

PROJECT: Main Mine

HOLE No. M90-752

MINERALIZATION DESCRIPTION	TOTAL SULPHIDE	INTERVAL	WIDTH	ASSAY NUMBER	%	%	%			COMPOSITE ASSAYS
		150								
		160								
		180								
		193.?								
		193.5								
Mostly m.g. some c.g subhedral to anhedral grains dissem thru both chert & tuff 1% of core										
		190								

PAGE 17 OF 21 | PROJECT: Main Mine | HOLE No. M90-752

DEPTH (METRES)	% Core Recy	LITHOLOGY	STRUCTURE		GEOLOGICAL DESCRIPTION	ALTERATION D (A)	G (B)	Si (C)	Se (D)	M (E)	FRACT INTENSITY	T	K
		5Ce		193.5-193.7	QVN BX								
		QVBX			upper contact 50° TCA lower								
194					contact 40° TCA. Wht Qz bx								
					also some volc bx - angular								
					pieces w G in interstices								
					vfg to fg py assoc. w G some								
					w-K & w-D, Qz is wht w								
					yellow carbonate thru it								
		5Ce		193.7-194.8	Chert								
					Med GRY l-c.b. w G on fract								
					m-G, Qz-carb veinlets								
					thru core at different ∠'s,								
					M-Si, minor tuff, f-m cubes								
195					of py run thru core, weak JT'd								
					major fract. ∠ 60° TCA.								
					flt zone 194-194.3 oriented								
					20° TCA. Qz-carb matrix								
					w ∠ chert bx frag's,								
					open space filling w some								
					druzy calcite py in chert								
					frag's								
				194.8-196.1	Tuff								
					Pale grey Tuff w m-G alt, upper contact								
196					60° TCA, lower contact 50° TCA, Qz-carb								
					veinlets .3-.8cm oriented ≈ 60° TCA								
				196.1-196.9	BX FLT ZONE								
					G-alt at upper contact, Qz str's &								
					Bx thru section, wht Qz clasts & GRY								
		5Ce			silica. Py [] in intersices, netwk text								
					Fol'n 70° TCA.								
				196.9-205.1	Tuffaceous Chert								
					M GRY chert w l-c.b. G in fract								
200					m-G, GREY Tuffaceous sections								

PAGE 18 OF 21 | PROJECT: MAIN MINE | HOLE No. M90-752

MINERALIZATION DESCRIPTION	TOTAL SULPHIDE	INTERVAL	WIDTH	ASSAY NUMBER	~~%~~ oz/ton Au	~~%~~ Ag	%			COMPOSITE ASSAYS
v.f.g. Py conc. in fract assoc. w̄ L.G forms blebs 2-3 mm & thin bands thru Qz. WHT Qz w̄ m-G alt G in fract's. some Lular tuff frag at upper contact ≈ 2% Py		193.5-193.7	.2	E28236	0.007	0.02				
		194								
fine to med rounded py grains dissem thru core <1% of core is py		193.7-194.8	1.1							
v.f.g py in chert clasts forms blebs & also dissem thru clasts. some m.g. Py localized in G in interstices 1% of core is Py		194.8 196.7	.3							
		195								
		196								
v.f.g. PY IN INTERSTICES [ ] to form network text. ≈ 4% of core is Py. Also conc on fol. planes		196.1-196.9	.8	E28237	0.011	0.02				
		200								

PAGE 19 OF 21	PROJECT: MAIN MINE	HOLE No. M90-752

DEPTH (METRES)	% Core Recy	LITHOLOGY	STRUCTURE		GEOLOGICAL DESCRIPTION
					thru chert wht rextallized chert. with Qz STRS. at numerous L's TCA. Qz STR zone. Py assoc w tuffaceous sections, open space filled Qz veinlets w druzy Qz xtal <1mm. JT intensity is weak generally 60° & 35° TCA.
205		5Ce		205.4-208.4	Tuff med green chl alt, w-K as tiny buff colored specs thru core. Qz & Qz-D tiny veinlets & fract. filling. Fairly massive.
				208.4-211	Tuff GREY-1-C.b, w G in fract. w-G, Qz & carb veinlets thru section, irreg small open space filling w druzy Qz v.f.g. Py dissem thru core, forms blebs a few mm to .5 cm, locally 15% of core is Py. overall 8% of core
210					
211				211-216.3	Chert DK GRY w i-G alt w Qz STR at numerous L's, carb w Qz & calcite STR's. Qz STRS near lower CONTACT 50° TCA. Some vein bx between STR's. Bet. 215.8-216.3 50% Qz. Calcite STR (.3 cm width) at CONTACT JT fract int. is mod. prominant L 50° TCA
215					

ALTERATION columns: D (A), G (B), Si (C), Sc (D), m (E); FRACT INTENSITY; T; K

PAGE 20 OF 21	PROJECT: MAIN MINE	HOLE No. M90-75

MINERALIZATION DESCRIPTION	TOTAL SULPHIDE	INTERVAL	WIDTH	ASSAY NUMBER	~~%~~ oz/ton Au	~~%~~ oz/ton Ag	%			COMPOSITE ASSAYS
Fine to coarse rounded grains dissem thru tuffaceous sections ≈ 3% of core locally. Also v.f.g Py dissem thru chert – Tr, also some c.g. cubes dissem all thru core, Py is less than 1% of core										
f.g. Py & m.g. cubes, dissem thru localized in G fract., forms network some v.f.g Py dissem rt thru core, ≈ 5% of core.										
v.f.g. Py [ ] in blebs & fine dissem thru core Py assoc w̄ Q. ≈ 10% of core		210.2 to 210.7	.5	E28238	0.003	0.02				

PROJECT: Main Mine

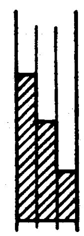
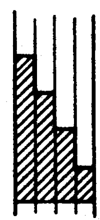
HOLE No. M152

DEPTH (METRES)	% Core Recy	LITHOLOGY	STRUCTURE	GEOLOGICAL DESCRIPTION		ALTERATION D A	G B	Si C	So D	m E	FRACT INTENSITY	T	K
				216.3-221.2	FLT ZONE BKN ROCK, chert/Tuff/gouge intensely fract. into small & med size Rock fragments with some sections to 10cm; core is bx'd, STRINGER ZONE with open space filling, limonite STAINED on fract, 220.2 to 220.6 has tuff with m to L G alt., Tr v.fg. Py Dissem thru core								
220													
		5Ce		221.2-230.7	Chert/Tuff sections of Blk i-c.b. chert tuff green massive with w-c.b., m-G on fract., Limonite STAINED some K alt, open space filling, contacts are ≈ 50° TCA, from 225.9-230.7 Tuffaceous grey chert with It-GRY clasts of rextallized chert, w-G, Tr f.g. py thru core								
225													
230													
231													

ERICKSON GOLD MINING CORP.

MINERALS SECTION

DRILL LOG

PROJECT Main Mine	GROUND ELEV. 1434.702
HOLE No. M90 - 753	BEARING 357° 49'
LOCATION 64 544.101 N 62 329.397 E	DIP 64° 22' TOTAL LENGTH 204.2 m
LOGGED BY G. Yip	HORIZONTAL PROJECT
DATE October 13, 1990	VERTICAL PROJECT
CONTRACTOR D. J. Drilling	**ALTERATION SCALE**  absent slight moderate intense
CORE SIZE NQ	
DATE STARTED Sept 4, 1990	
DATE COMPLETED Sept 9, 1990	**TOTAL SULPHIDE SCALE**  traces only < 1% 1% – 3% 3% – 10% > 10%
DIP TESTS	
COMMENTS	LEGEND

DIP TESTS

	Az.	Dip.
82.3 m	003°	-64.5°
143.3 m	008°	-66.0°
204.2 m	011°	-66.0°

 PROJECT: Main Mine HOLE No. M90-753

DEPTH (METRES)	% Core Recy	LITHOLOGY	STRUCTURE		GEOLOGICAL DESCRIPTION	D (A)	G (B)	Si (C)	Se (D)	M (E)	FRACT INTENSITY	T	K
				0-12.2	Overburden - Casing								
12.2				12.2-66.4	Argillite (5Dd) Black to medium grey in color. Locally with interbeds of light grey silty material (cm's). Core is broken (block). Foliation in poor to well defined @ 50°-70° tca. Locally very graphitic: - mudstone. Locally pyrite occurs in light grey silty layers as finely disseminated masses (≤1cm)								
66.3					66.3-66.4 Quartz-carbonate stringer @ 55° tca. Trace of finely disseminated pyrite in the footwall and hanging wall of the stringer.								
66.4				66.4-117.5	Argillite has undergone deformation. Within the argillite are angular to subrounded clasts of silty material. Fractures (≤2mm) in both silty clasts and the argillite are infilled with grey-white carbonate. Trace to 1% finely disseminated pyrite								
					69.6-69.7 carbonate stringer @ 80° tca								

 PROJECT: Main Mine HOLE No. M90-753

MINERALIZATION DESCRIPTION	TOTAL SULPHIDE	INTERVAL	WIDTH	ASSAY NUMBER	%	%	%			COMPOSITE ASSAYS
		12.2								
66.3-66.4 Traces of finely disseminated pyrite in the footwall and hanging wall of the stringer.		66.3								
66.4-117.3 trace to 1% finely disseminated pyrite throughout. Locally occurs as disseminated masses within silty clasts and in carbonate infilled fractures (± 2.0cm)		66.4								

 PROJECT: Main Mine HOLE No. M90-753

DEPTH (METRES)	% Core Recy	LITHOLOGY	STRUCTURE		GEOLOGICAL DESCRIPTION	ALTERATION D A	G B	Si C	Se D	M E	FRACT INTENSITY	T	K
					81.5 - 81.6 Carbonate vein @ 55° tca								
					83.2 - 83.3 Carbonate vein @ 55° tca								
					84.6 - 84.7 Carbonate vein @ 35° tca with argillite inclusions (angular) ≤ 1.5cm.								
84.9					84.9 - 85.1 Carbonate vein @ 45° tca								
					85.4 - 86.1 Quartz carbonate flooding of fractured argillite								
					97.8 - 98.6 Fault. Black very fine grained fault gouge. 1% disseminated pyrite.								
98.6					98.6 - 117.5 Carbonate stringers white in color (~1%) @ 20°, 55°, 50° & 45° tca.								
				117.5 - 119.2	5Ce Contact between argillite and chert @ 65° tca Chert - cryptocrystalline, highly fractured, blue-grey in color with chlorite within fracture surfaces. Pyrite occurs as fine disseminations								
117.5													
				119.2 - 120.1	5Ca Contact between chert and volcanics @ 51° tca. Meta basalt (5Ca) Light green, moderately fractured with chlorite chlorite as fracture fill. Traces of pyrite								

 PROJECT: Main Mine HOLE No. M90-753

MINERALIZATION DESCRIPTION	TOTAL SULPHIDE	INTERVAL	WIDTH	ASSAY NUMBER	%	%	%			COMPOSITE ASSAYS
		84.9								
97.8 - 98.6 1% finely disseminated pyrite in masses (≤ 1.5mm)		98.6								
117.5 - 119.2 Trace to 1% finely disseminated pyrite throughout. Occurs locally as fracture fill (≤ 1cm) in pods.		117.5								
119.2 - 120.1 Traces of finely disseminated pyrite in masses (≤ 0.5cm) and as disseminations throughout.										

 PROJECT: Main Mine HOLE No. M90-753

DEPTH (METRES)	% Core Recy	LITHOLOGY	STRUCTURE	GEOLOGICAL DESCRIPTION		ALTERATION D A	G B	Si C	Se D	M E	FRACT INTENSITY	T	K
					5Ce								
				120.1 – 121.5	Contact between volcanics and chert @ 50° tca. Cryptocrystalline, dark grey to light grey in color, fractured with ferrugenous fracture surfaces. Traces of finely disseminated pyrite								
					5Ca								
121.5				121.5 – 123.2	Contact between chert and volcanics (?) @ 60° tca. Meta-basalt (?) 5Ca very fine grained, fractured with ferrugenous fracture surfaces (locally) and chlorite on fracture surfaces.								
					5Ce								
123.2				123.2 – 125.0	Contact between volcanics and chert @ 35° tca. Medium grey cryptocrystalline chert. Highly fractured; locally with ferrugenous fracture coatings. Traces of pyrite								
					5Ca								
125				125.0 – 126.0	contact between chert and metabasalt (?) @ 55° tca. Medium green, fine grained meta-basalt. Locally very ferrugenous. Localized patches (± 2cm) of carbonate and patches of chlorite (± 2mm)								
					7a								
				126.0 – 130.2	Contact between metabasalt (?) and listwanite (7a). @ 35° tca dark green, very fine grained serpentinite with white quartz stringers (± 1mm)								

PAGE 6 OF 12	PROJECT: Main Mine	HOLE No. M90-753

MINERALIZATION DESCRIPTION	TOTAL SULPHIDE	INTERVAL	WIDTH	ASSAY NUMBER	%	%	%			COMPOSITE ASSAYS
120.1 - 121.5 Traces of finely disseminated pyrite throughout, occurring locally in masses and as fracture fill										
123.2 - 125.0 Traces of finely disseminated pyrite throughout and locally in masses (≤ 2mm) in fractures										
126.0 - 130.2 trace to 1% finely disseminated pyrite throughout. Locally, pyrite occurs on fracture surfaces in masses ≤ 0.5cm										

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DEPTH (METRES)	% Core Recy	LITHOLOGY	STRUCTURE		GEOLOGICAL DESCRIPTION	D A	G B	Si C	Sc D	M E	FRACT INTENSITY	T	K
					throughout (≤ 1%)								
					5Ca								
				130.2 – 162.1	contact between listwanite (7a) and altered volcanics Medium green strongly talc altered metabasalt. Little of original textures remaining								
				–	131.2 – 132.2 Metabasalt (5Ca) Dark green, very fine grained. moderately talc altered.								
131.2													
					132.2 – Metabasalt (5Ca) Medium green, very fine grained, and moderately fractured. Locally fractures (≤ 2mm) are ferrugenous, or infilled with chlorite or carbonate.								
136.3													
					131.70 – 131.8 Quartz-carbonate stringer, 1 cm wide @ 25° tca, milky-white.								
					136.3 – 136.4 Quartz vein 12 cm wide, massive, milky white quartz vein. Hairline fractures (≤ 1%) are infilled with carbonate. footwall margin of vein, fractures are infilled with pyrite								
141.													
					141 – 142.3 Intensely clay altered meta-basalt.								
					142.5 – 145.2 Moderately iron carbonate altered metabasalt.								

ALTERATION

PAGE 8 OF 12	PROJECT: Main Mine	HOLE No. M90-753

MINERALIZATION DESCRIPTION	TOTAL SULPHIDE	INTERVAL	WIDTH	ASSAY NUMBER	%	%	%			COMPOSITE ASSAYS
		131.2								
136.3 - 136.4 1% finely disseminated pyrite as fracture fill in footwall and foot wall margin of quartz vein										

PAGE 9 OF 12	PROJECT: Main Mine	HOLE No. M90-753

DEPTH (METRES)	% Core Recy	LITHOLOGY	STRUCTURE		GEOLOGICAL DESCRIPTION	ALTERATION O A	G B	Si C	Se D	M E	FRACT INTENSITY	T	L
					145.9 - 146.3 moderately clay altered volcanics								
					150 - 150.4 intensely clay altered volcanics								
					150.6 - 150.8 intensely clay altered volcanics								
150.9					150.9 - 151.7 moderately clay altered volcanics								
					151.7 - 154.1 intensely clay altered volcanics								
					155.5 - 161.4 moderately iron carbonate altered volcanics.								
161.4					161.4 - 162.1 weakly dolomitized moderately silicified metabasalt with ferrugenous fractures. 1% disseminated pyrite as fracture fill.								
				162.1 - 162.3	Quartz vein (QV) 2cm wide, @ 32° tca, milky white with numerous cross cutting fractures filled with pyrite								
162.3				162.3 - 163.4	Volcanics (5Ca) Massive, medium buff colored, with numerous crosscutting hairline fractures. Moderately dolomitized and silicified with graphite in fractures. Fracture surfaces are coated with an orange-brown oxide								

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PAGE 10 OF 12	PROJECT: Main Mine	HOLE No. M90-753

MINERALIZATION DESCRIPTION	TOTAL SULPHIDE	INTERVAL	WIDTH	ASSAY NUMBER	~~%~~ oz/ton Au	~~%~~ oz/ton Ag	%			COMPOSITE ASSAYS
		150.9								
161.4-162.1 1% finely disseminated pyrite predominantly as fracture fill and in masses (< 1.5mm)		161.4								
162.1-162.3 1% finely disseminated pyrite as fracture fill in hairline fractures			0.2	E26819	0.018	<0.02				

 PROJECT: Main Mine HOLE No. M90-733

DEPTH (METRES)	% Core Recy	LITHOLOGY	STRUCTURE		GEOLOGICAL DESCRIPTION	ALTERATION D A	G B	Si C	Se D	M E	FRACT INTENSITY	T	K
					163.4-163.9 very intensely clay volcanics (?)								
					163.9-172.1 volcanics buff brown in color, moderately dolomitized with localized clay and chlorite alteration (≤ 1 cm.								
172.1				172.1-178.9	chert Medium grey, moderately fractured, with traces of pyrite								
				178.9-180.1	Meta-basalt (5Ca) Buff colored, moderately fractured, intensely dolomitized, and weakly sericitized.								
180.1				180.1-190.4	Chert median green, weakly fractured with traces of pyrite								
				190.4-198.6	Metabasalt (5Ca) Medium green, fine grained and weakly silicified. Locally moderately dolomitized								
198.6				198.6-204.2	chert. light grey, moderately fractured, with localized milky-white quartz stringers (≤ 2cm) @ 15°, 10° + 30° tca. Trace of disseminated pyrite								
					204.2 EOH								

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 PROJECT: Main Mine. HOLE No. 1190-753

MINERALIZATION DESCRIPTION	TOTAL SULPHIDE	INTERVAL	WIDTH	ASSAY NUMBER	%	%	%			COMPOSITE ASSAYS
172.1-178.9 trace to 1% disseminated pyrite throughout and locally as fracture fill		172.1								
178.9-180.1 trace of finely disseminated pyrite throughout.										
180.1- traces of finely disseminated pyrite throughout, and locally as fracture fill		180.1								
190.4-198.6 traces of finely disseminated pyrite										
198.6-204.2 Traces of finely disseminated pyrite throughout		198.6								

PAGE OF	PROJECT:	HOLE No.

DEPTH (METRES)	% Core Recy	LITHOLOGY	STRUCTURE	GEOLOGICAL DESCRIPTION	ALTERATION A	B	C	D	E	FRACT INTENSITY		

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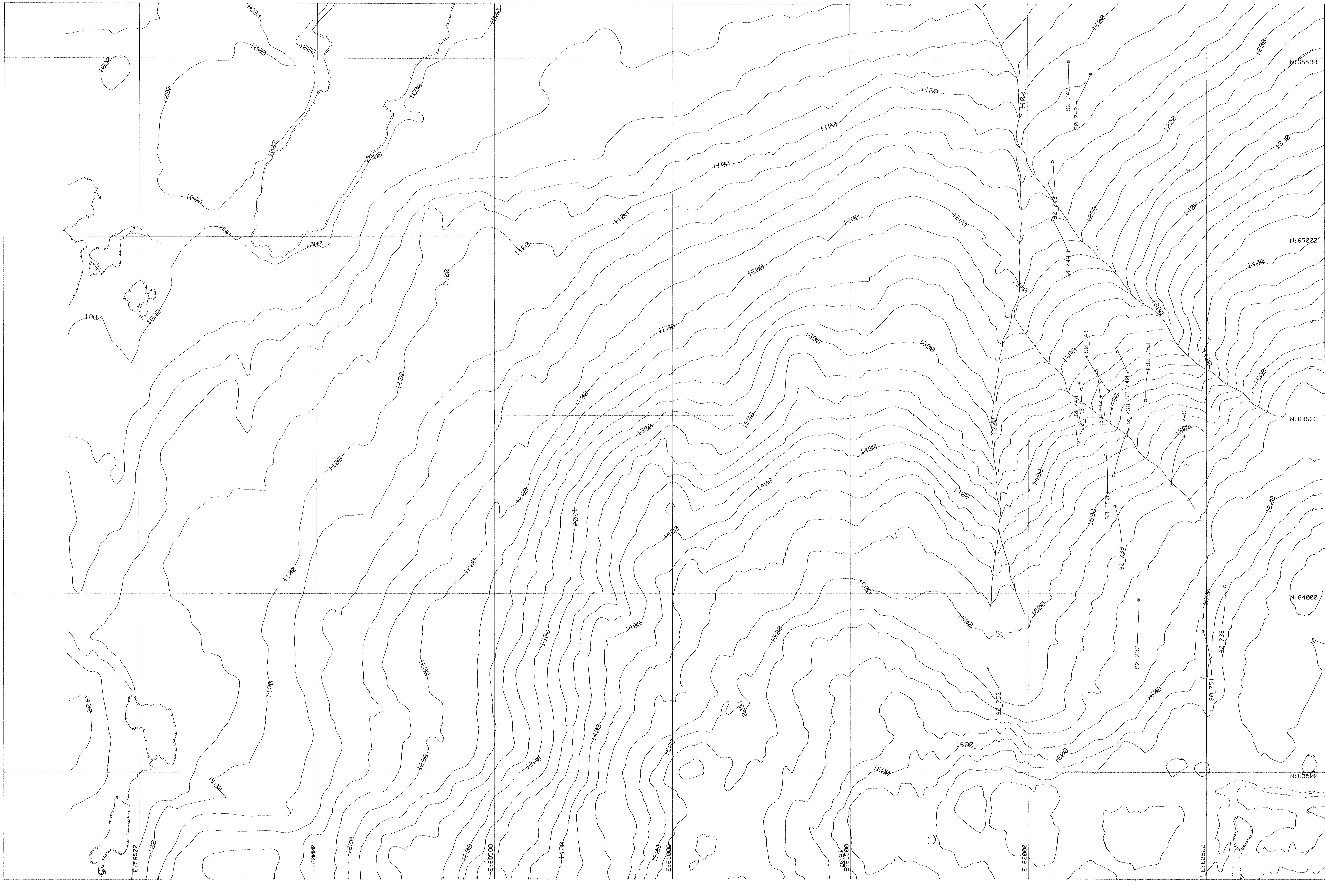


GEOLOGICAL BRANCH
ASSESSMENT REPORT

21,550

NTS 104 P/4E

Main Mine Area

Plan of 1990
Diamond Drill Holes Traces

LIARD MINING DIVISION

SCALE 1:5000

0 100 200 300 M

May, 1991	Scale 1:5,000	MAP: 1

Erickson Gold Mining Corp.

GEOLOGICAL BRANCH
ASSESSMENT REPORT

21,550

ERICKSON GOLD MINING CORP.

CLAIM BOUNDARIES

Project Name ______ Project No. 1003

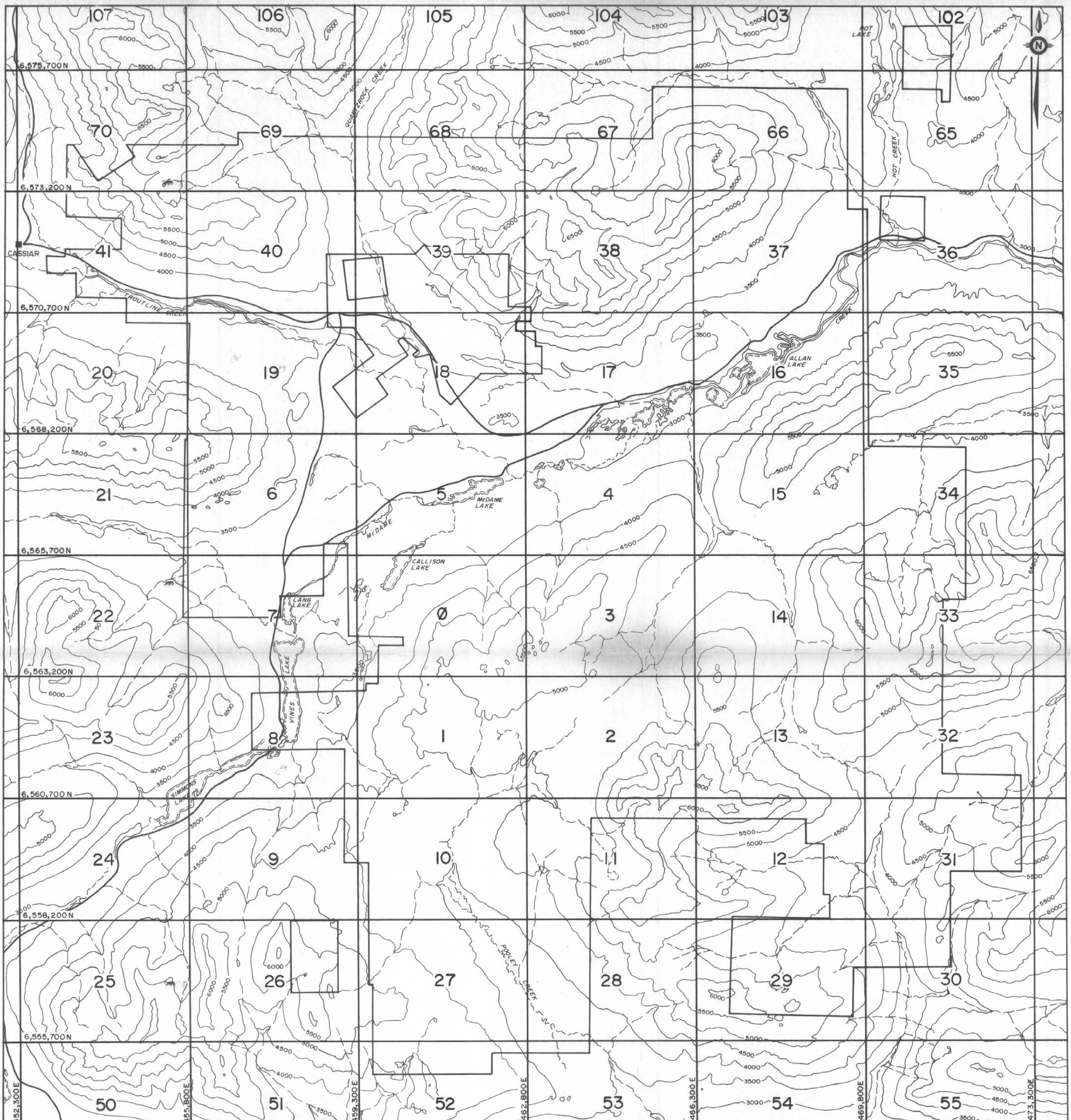
Latitude 59°13' Longitude 129°40'

Mining Division LIARD NTS 104 P/4

To accompany a report by ______

Alpha No. ______ Drawing No. ______

Date ______ Map No. 2



NOTE: DETAILED ROADS ON 1:5000 MAPS

0 500 1000 2000 3000 4000 (metres)

1:50,000

GEOLOGICAL BRANCH
ASSESSMENT REPORT

21,550

TOTAL ENERGOLD CORPORATION

ERICKSON PROPERTY

MAP INDEX

DATE: JANUARY 1990 MAP NO. ______