

MAP NO.: ASSESSMENT REPORT X
105 D 3 PROSPECTUS
CONFIDENTIAL X
OPEN FILE

DOCUMENT NO: 092783
MINING DISTRICT: Whitehorse
TYPE OF WORK: Diamond Drilling

REPORT FILED UNDER: Total Energold Resources Ltd, AGIP Canada Ltd

DATE PERFORMED: 16 May-14 September, 1989 DATE FILED: 4 January, 1990

LOCATION: LAT.: 60°14'N AREA: Mt Skukum
LONG.: 135°25'W VALUE \$:

CLAIM NAME & NO.: CHIEF 35,37,39,56-58 (YA74418,20,22,39-41)
GLEE 62-64F, 75-76F (YA93996-8, 94009-10)

WORK DONE BY: D. Reddy, B. McDonald

WORK DONE FOR: Total Energold Resources Ltd, AGIP Canada Ltd

DATE TO GOOD STANDING:

REMARKS: #115 MT SKUKUM: EIP REPORT CONFIDENTIAL UNTIL 1 APRIL 1992
Seven diamond drill holes (2052.69 m) tested the Ocean vein in the
Chieftain Hill area. To date the vein has been tested over a strike
length of 580 m. Granodiorite in the drillholes is cut by rhyolite
and andesite dykes and quartz veins with envelopes of intense silica
clay and sericite alteration. The best intersection was 0.3 m of
31.2 g/t Au, and 3415.6 g/t Ag.

INTER-OFFICE MEMORANDUM

TO

Trevor Bremner -
NAP - Mineral Resources
200 Range Road.

FROM

DAVID DOWNING.

OUR FILE EIP89-026

YOUR FILE _____

DATE 4 Jun. '90

DEPARTMENT F-1

SUBJECT

EIP Report.

Please find attached copy of Mount Skokom
Gold Mining's - EIP Report for 1989.

The report is confidential until 1 April '92

Thy 

092783

SUMMARY OF 1989 GRID WORK, GEOPHYSICS, AND DIAMOND DRILLING
ON THE OCEAN GRID, MOUNT SKUKUM PROPERTY,
WHEATON RIVER AREA, YUKON TERRITORY

May 16 to September 14, 1989

Chief 35, 37, 39, 56-58.
Glee 62F-64F, 75F, 76F.

(NTS 105D/3)
Lat. 60° 14'
Long. 135° 25'

Report for the Yukon Exploration Incentives Program
Whitehorse Mining District

by

D. Reddy and B. McDonald
for

Mount Skukum Gold Mining Corporation
Total Energold - Agip Canada Limited
Bag 2775 Whitehorse, Yukon Territory Y1A 3V5

092783

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INTRODUCTION

Chieftain Hill area is in the southeast corner of the Mount Skukum Property in southern Yukon Territory (NTS 105D/3; Figs. 1 and 2). 1989 exploration in the Chieftain Hill area was focused on the Ocean Grid. Activities included establishment of the surveyed and picketed Ocean Grid, surveying of vein exposures, ground geophysical surveys, and 2052.69 m of diamond drilling in eight holes (seven of which were completed). The on-site work described in this report cost a minimum of \$ 285,000 between May 16 and September 14, 1989 (Appendix B).

The Ocean Grid (Fig. 2) was surveyed between May 29 and June 30 (10 days worked in total) by company and contract surveyors (Thomson and Isles Surveyors and Engineers of Whitehorse, Y.T.). Further grid extensions, drill pad positions, drill hole collars and vein outcrops were surveyed by company surveyors as required. The Ocean Grid baseline is oriented 090° and is 1.25 km long.

Ground geophysics on the Ocean Grid included HLEM and total field magnetometer surveys by Geophysicon Co. Ltd. of Calgary, Alberta (Appendix C). The surveys were conducted between June 13 and 22 (10 days total).

Drill pads were prepared from April 26 to May 20 and from August 3 to 18 by Gordon Clark and Associates Ltd., of Whitehorse, Y.T. Three more drill pads and access trails were prepared using a company cat.

A Boyles 25A diamond drill was mobilized to the Mount Skukum camp on June 1 and drilling commenced on June 3. A total of 64 days were spent drilling 2052.69 m in eight holes by Advanced Drilling Ltd. of Surrey, B.C (Appendix D). All of the drill sites, except 89-561, were set-up and drilled with daily helicopter support (Frontier Helicopters Limited of Abbotsford, B.C.). The core was transported to the Mount Skukum camp (Fig. 1) and is stored in permanent core storage racks.

OCEAN GRID

Location and Access

The Ocean Grid covers the southeast facing slope of Chieftain Hill from Morning Gulch to Midnight Gulch (Fig. 2). The grid is centered on UTM coordinate 6,672,550 N, 480,250 E and is encompassed by 1:1,000 scale map sheets 13A, 13D, 13E, 13F, 13P and 13O. Ocean grid is included within claims Chief 35, 37, 39, 56 to 58 and Glee 62F to 64F, 75F and 76F. Topography consists of bluffs and steep

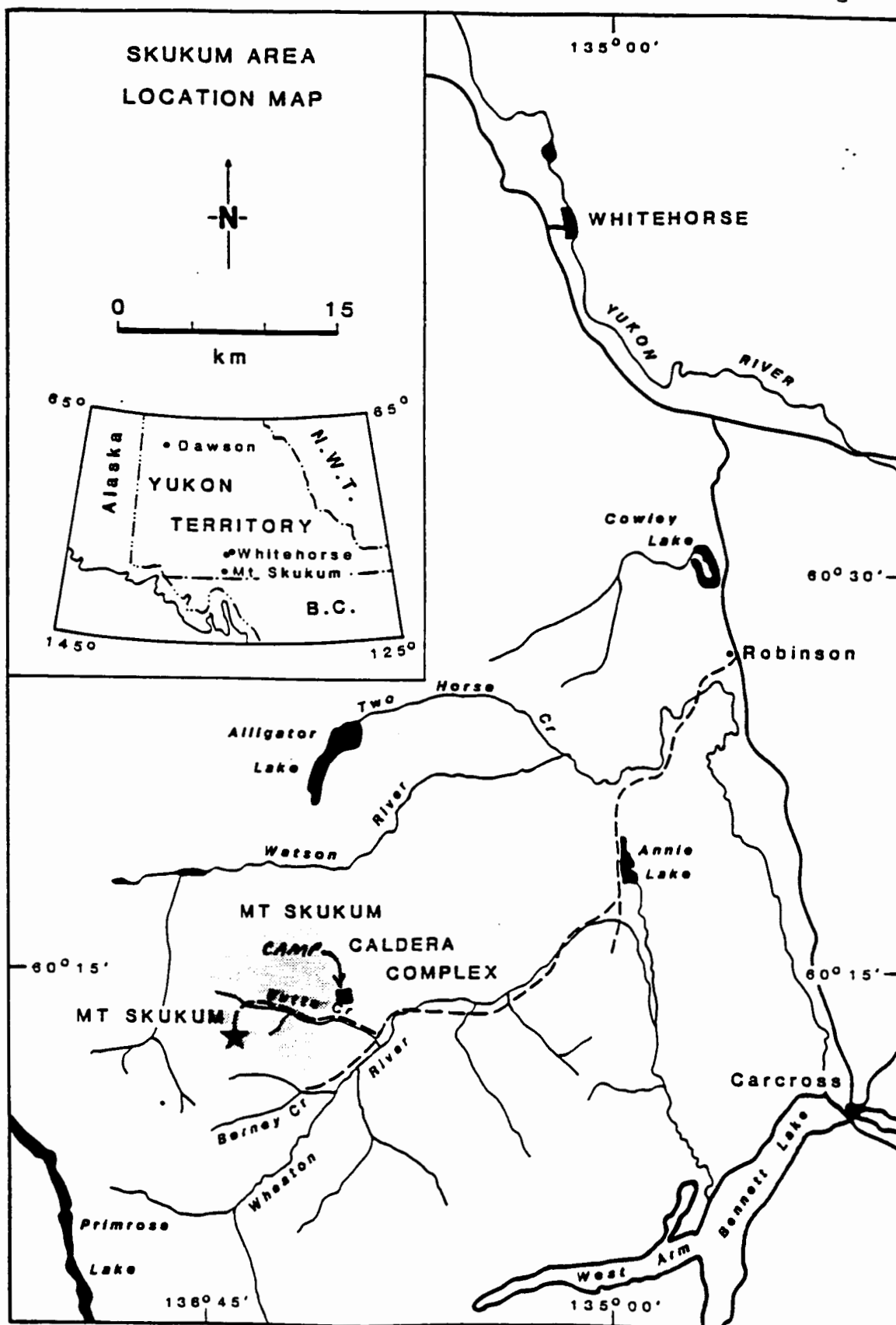


Figure 1. Location map of Mount Skukum area showing the access road and proximity to Whitehorse, Yukon Territory (from McDonald, 1987).

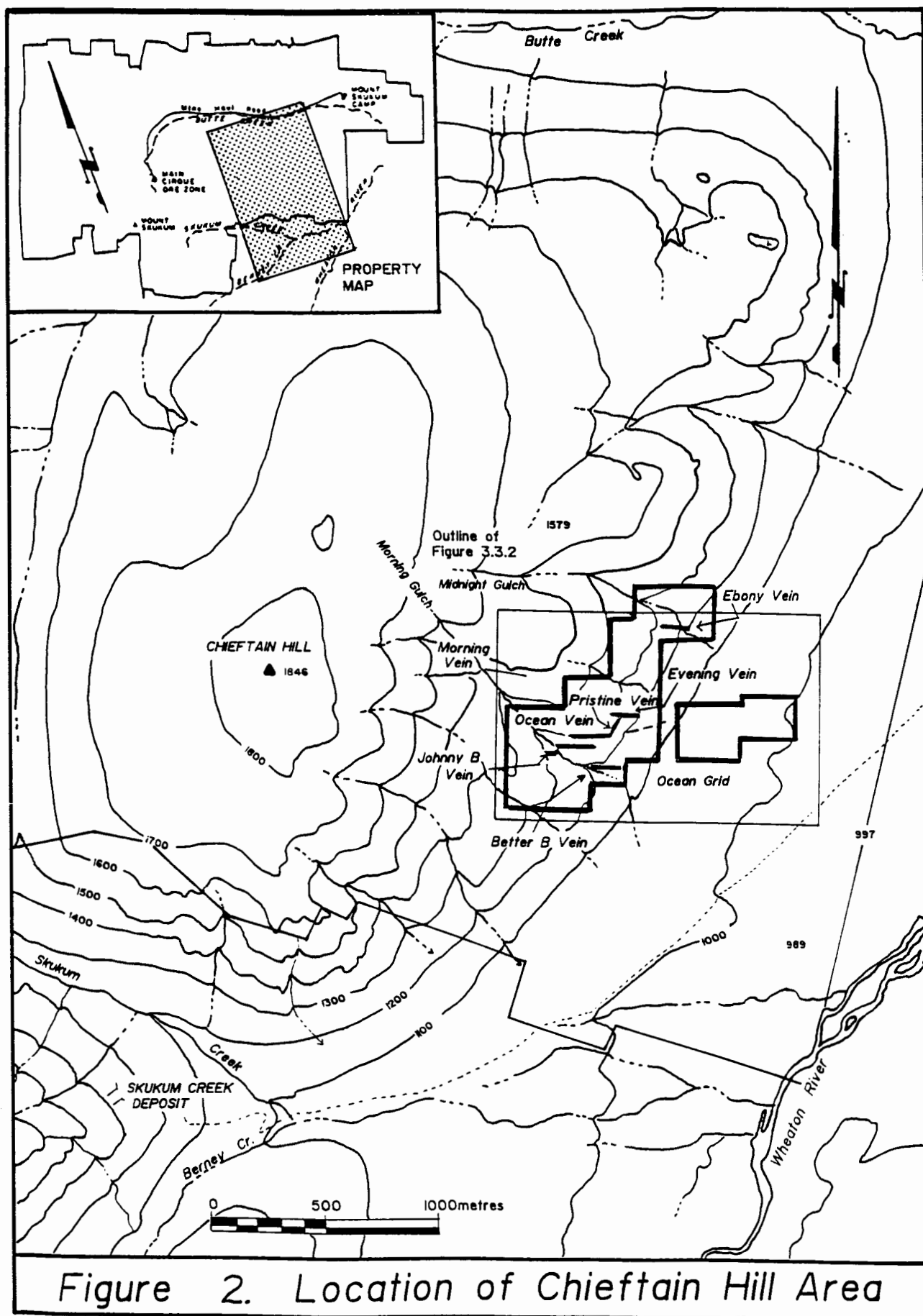


Figure 2. Location of Chieftain Hill Area

talus slopes with relief ranging from 1000 m to 1450 m above sea level. The area is accessible by a cat road from the Omni Resources road.

Table 1. Claim names, numbers, record dates, and expiry dates for the Ocean Grid area.

Claim name	Record #	Record date	Expiry Date
Chief 35	YA74418	15/11/1981	01/01/1995
Chief 37	YA74420	15/11/1981	01/01/1995
Chief 39	YA74422	15/11/1981	01/01/1995
Chief 56	YA74439	25/11/1981	01/01/1995
Chief 57	YA74440	25/11/1981	01/01/1995
Chief 58	YA74441	25/11/1981	01/01/1995
Glee 62F	YA93996	19/11/1985	01/01/1995
Glee 63F	YA93997	19/11/1985	01/01/1995
Glee 64F	YA93998	19/11/1985	01/01/1995
Glee 75F	YA94009	19/11/1985	01/01/1994
Glee 76F	YA94010	19/11/1985	01/01/1994

Previous Exploration

Antimony-bearing veins on the southeast slope of Chieftain Hill were discovered in the early 1900's and described by Cairns (1912; 1916).

In 1986, the Morning and Evening veins were located in Morning Gulch in an area of anomalous contour soil samples (Dussell, 1987). Old trenches on the Evening Vein are thought to be from copper exploration by Yukon Antimony Corporation in the mid-sixties.

In 1987, the Evening Grid was surveyed to cover the area of the Morning and Evening veins after prospecting led to the discovery of the Johnny B. Vein in Morning Gulch. The Evening Grid baseline is 1.2 km long and is oriented 040°. Subsequent geological mapping at 1:1,000 scale on the grid led to discovery of many quartz and calcite veins including the Ocean, Better B., and Pristine Veins (Nagati *et al.*, 1987). Soil geochemistry, prospecting, trenching, 1:200 scale mapping, and ground geophysics including magnetometer, VLF-EM, HLEM, and induced polarization were conducted over the grid area. Seven diamond drill holes totalling 894.18 m were drilled to test the Evening, Pristine, Better B., Johnny B. and Ocean Veins. Maximum diamond drill assay results of 0.04 oz Au/t and 3.41 oz Ag/t over 0.15 m in the Evening Vein and 0.275 oz Au/t and 2.56

oz Ag/t over 1.42 m in the Ocean Vein were obtained (Nagati et al., 1987).

Exploration in the Evening Grid area in 1988 included 901.92 m of diamond drilling in eight holes, trenching, rock sampling and an HLEM geophysical survey. Holes 88-398, 88-399, 88-407, and 88-412 were drilled to test the Ocean Vein and holes 88-408 to 88-411 were drilled to test the Morning Vein. The HLEM survey indicated a continuation of the Ocean structure 300 m to the east of the outcrop exposure (Bowman and King, 1988a). One cat trench was excavated on the HLEM trace of the Ocean Vein and a 0.7 m wide fault zone oriented 076°/84°NW with anomalous gold and silver values was revealed. The Ocean Vein remained open in all directions in 1988 (McDonald et al., 1989).

1989 Activities and Results

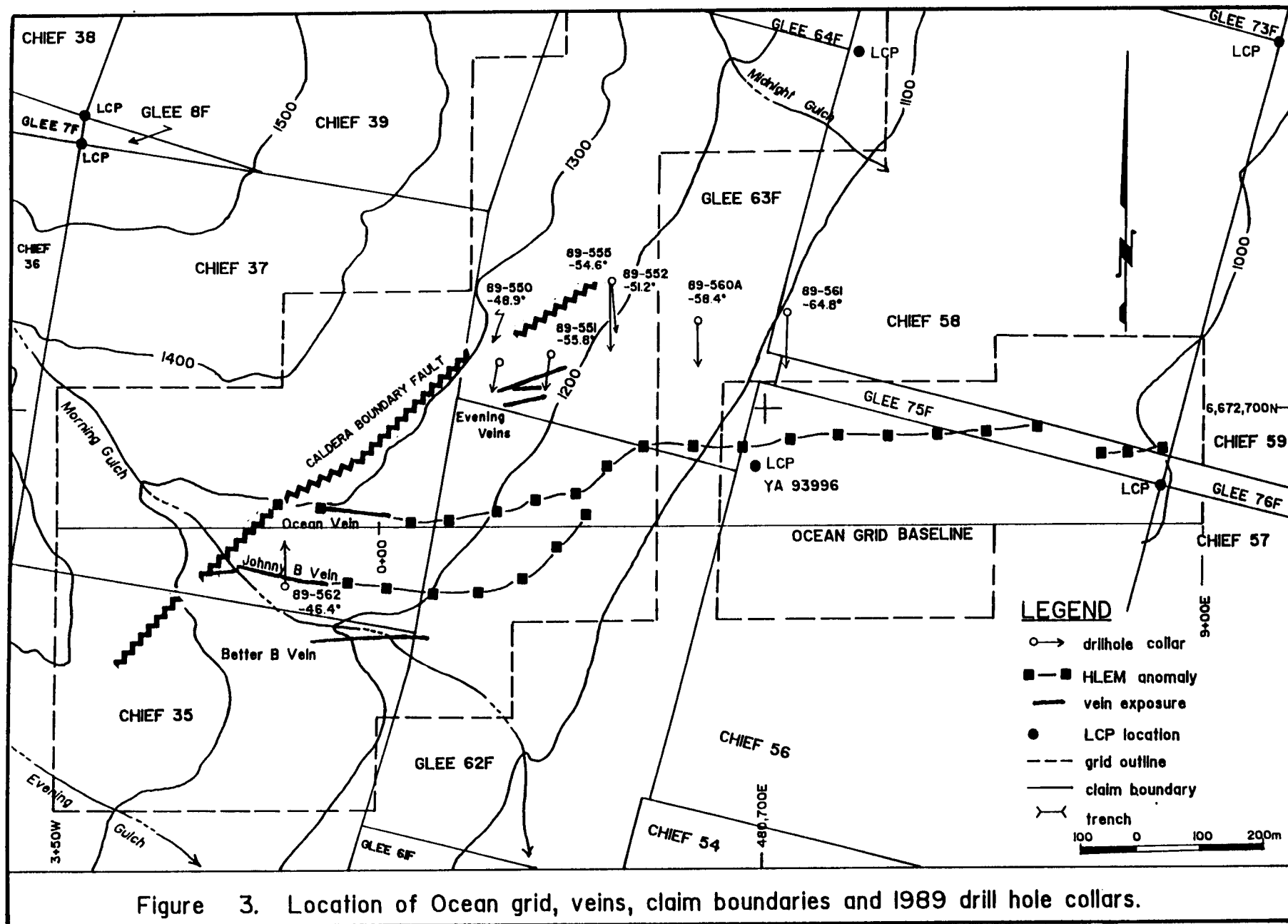
Exploration in the Ocean Grid area in 1989 included grid establishment, HLEM and ground magnetometer surveys, limited prospecting, and diamond drilling of 1803.97 m in seven completed holes. The Ocean Grid was established in 1989 to cover the Evening Grid, the area immediately to the east, and to give a better orientation for ground geophysical tests. The Ocean baseline is 1.25 km long and is oriented 090°. HLEM surveys helped trace the Ocean Vein for an additional 600 m east of its previously known position. The 1989 diamond drill program was planned to follow the Ocean Vein from its known position eastwards based on the HLEM trace (Fig. 3).

Ocean Vein diamond drilling consisted of 1803.97 m in seven holes, six of which were spaced progressively eastward at 75 m intervals (Fig. 3, Appendix D). One hole, 89-562, drilled 65 m west of the previous intersections. The total drill-tested strike length of the Ocean Vein to date is 580 m with a drill-tested dip extent from 1250 m down to 900 m elevation.

The main lithologies intersected by drilling in the Ocean Grid area are Cretaceous granodiorite of the Coast Plutonic Complex, and rhyolite and andesite dykes of the Eocene Skukum Group.

The granodiorite consists of equigranular feldspar and quartz crystals up to 4mm. Intense silicic, argillic and phyllic alteration envelopes have developed adjacent to several dykes and veins and contain fine disseminated pyrite. Locally, quartz-chlorite veinlets are up to 4mm and chlorite replaces mafic minerals.

Several rhyolite dykes cross-cut the granodiorite and are associated with the veins. In holes 89-551, 89-552 and



89-555 the footwall of the Ocean Vein is the contact with a rhyolite dyke. The rhyolite is tan to light green and contains approximately 20 percent plagioclase phenocrysts 3 mm in length and up to 10 percent quartz eyes up to 4 mm long in a fine-grained groundmass. Up to 5 percent pyrite locally occurs as disseminated euhedral grains and blebs up to 7 mm in size and as veinlets along fractures. Propylitic alteration of the rhyolite has saussuritized the plagioclase phenocrysts and sericite and chlorite is abundant along fractures. Quartz-sulphide veinlets within the rhyolite contain 5 percent pyrite, 3 percent sphalerite, up to 3 percent ruby silver, and 1 percent galena and yield phenomenal grades up to 0.910 oz Au/t, 99.627 oz Ag/t over 0.3 m in hole 89-555. These zones are sporadic and usually very narrow.

Numerous andesite dykes that intrude the granodiorite are part of a dyke swarm that parallels veins and the north-northeast structural grain of the area. Dykes are dark green, intensely propylitically altered, and have numerous quartz-calcite veinlets up to 5 mm thick. Mafic minerals are almost entirely altered to chlorite. Locally the dykes contain disseminated pyrite cubes up to 3 mm and often the andesite has limonitic or hematitic stains on fractures.

Mineralization in the Ocean Grid area is comprised of the Ocean and Evening quartz-sulphide veins. The Ocean quartz-sulphide vein is within a sheared envelope of intensely altered granodiorite intruded by several andesite and rhyolite dykes and cross cut by faulted zones. Intersections are characterized by a hanging wall fault gouge or breccia and some intersections have a rhyolite dyke along the footwall contact. The vein has an intense silicic, argillic and phyllically altered envelope of granodiorite similar to surface exposures.

The vein typically comprises 60 to 80 percent quartz vein or vein fragments with sulphides filling fractures or forming a sulphide and chlorite-rich matrix. Sulphide minerals include approximately 15 percent pyrite, and up to 10 percent galena, 8 percent sphalerite, 1 percent arsenopyrite and trace chalcopryrite. The 1989 Ocean Vein intersections assay up to 0.042 oz Au/t, 5.05 oz Ag/t over 0.96 m in hole 89-550.

Hole 89-552 intersected a 2.15 m true thickness of Ocean Vein that assays 0.028 oz Au/t, 3.78 oz Ag/t. In hole 89-555 the Ocean Vein bifurcates into two smaller intersections only 15 m above the hole 89-552 intersection. The two intersections are separated by granodiorite and the total width assays 0.004 oz Au/t, 0.730 oz Ag/t over 14.33 m. The two vein intersections assay 0.008 oz Au/t, 5.63 oz Ag/t over 0.46 m and 0.023 oz Au/t, 0.49 oz Ag/t over 1.54 m.

Intersections decreased in width to the east. The most eastern intersection, hole 89-561, assays 0.014 oz Au/t, 2.84 oz Ag/t over 0.20 m (Fig. 3). In hole 89-562, at the west end of the Ocean structure, the vein was not intersected but fragments of quartz vein were found in a shear zone before the anticipated intersection depth was reached (Fig. 3). The shear zone assays trace gold, 0.02 oz Au/t over 0.71 m. This hole did not intersect the vein due to displacement by the caldera boundary fault which is probably the western limit of the Ocean Vein

Evening quartz-sulphide veins (Fig. 3) were intersected in the six holes drilled to intersect Ocean Vein from the north. These veins consist of two or three small subparallel quartz veins with up to 10 percent pyrite, 10 percent sphalerite, 5 percent galena, and trace chalcopyrite. The narrow zones of mineralization are 5 m apart and are within silicified and phyllically altered granodiorite. Evening Vein intersection assays are up to 0.066 oz Au/t, 6.56 oz Ag/t over 0.10 m in hole 89-560.

CONCLUSIONS

The Ocean Grid area is a complex zone where granodiorite is in contact with Skukum Group volcanic rocks along a caldera boundary fault. These large collapse structures have historically proven to be highly prospective especially where basement rocks are associated with rhyolite and andesite dyke swarms. At least six separate vein structures contain three distinct styles of mineralization in the Ocean Grid area. Ocean Vein is the largest and most continuous of these structures and has presented the most opportunity for a mineable orebody.

In 1988, the Ocean Vein was drill tested by 5 holes and was found to have significant potential. Geophysical survey techniques, particularly HLEM, were found to provide a reliable indication of the extent of the vein. Drilling in 1989, which used HLEM as a guide, indicates that the caldera boundary fault is the western limit of the Ocean structure. Drill intersections to the east indicate an overall narrowing of the vein towards the east but the tenacity of the structure over the 580 m drill-tested strike length is encouraging. Gold assays are not ore grade and silver assays are locally high but not uniform. The vein remains open at depth and to the east.

The potential of the Ocean Vein to produce economic ore is considered poor. Drill testing has shown that the structure has some mineable widths but these are inconsistent and the structure has a uniformly low grade. However, the vein is open at depth and to the east. Testing

this structure at considerable depth may still be considered in light of favourable deep intersections on the Goddell showing, a similar vein structure immediately across the Wheaton Valley east of, and on strike with, the Ocean Vein.

REFERENCES

- Bowman, M. and King, A., 1988: Geophysical Surveys, Mt. Skukum, Yukon; Unpublished report for Mt. Skukum Gold Mining Corp. by Geo-Physi-con Co. Ltd.
- Cairns, D.D., 1912: Wheaton District, Yukon Territory; Geological Survey of Canada, Memoir 31.
- Cairns, D.D., 1916: Wheaton District, Yukon Territory; Geological Survey of Canada, Supplement to Summary Report for 1915, p. 36-49.
- Dussell, E., 1987: An Executive Summary of 1986 Exploration Activities at Mount Skukum, Yukon Territories for Total Erickson Resources Ltd. - Agip Canada Ltd. Joint Venture; Unpublished report for Mt. Skukum Gold Mining Corp.
- McDonald, B., Haslinger, R.J., and Zuran, R.J., 1989: Mount Skukum Project; Total Energold Corp. - Agip Canada Ltd. Joint Venture, 1988 Exploration; Unpublished report for Mt. Skukum Gold Mining Corp.
- Nagati, C., Basnett, R., and Gosson, G., 1987: A Summary of 1987 Exploration Activities at Mount Skukum, Yukon Territories for Total Erickson Resources Ltd. - Agip Canada Ltd. Joint Venture; Unpublished report for Mt. Skukum Gold Mining Corp.

APPENDIX A: Certificate of Qualifications

I, Douglas Reddy, of the City of Whitehorse, in the Yukon Territory, hereby certify:

1. That I am a geologist and that I supervised the work performed as described in this report.
2. That I am a graduate of the University of British Columbia from the Department of Geological Sciences (B.Sc., Geology, 1986) and from the Department of Graduate Studies (M.Sc., Geology, 1989).
3. That I have been engaged in mineral exploration and research on a full time basis for three years in the Yukon and British Columbia.

Signed at Whitehorse, Yukon this 1 day of December, 1989.

D.G. Reddy, M.Sc.

APPENDIX B: 1989 Exploration Budget Summary and Ledger

MOUNT SKUKUM JOINT VENTURE
EXPLORATION EXPENDITURE SUMMARY
TO OCTOBER 31, 1989

A/C NO.	ACCOUNT DESCRIPTION	Jan-89	Feb-89	Mar-89	Apr-89	May-89	Jun-89	Jul-89	Aug-89	Sep-89	Oct-89	TOTAL
20000	LABOUR - EXPLORATION	6,516.74	4,116.46	4,233.20	5,978.46	9,910.97	31,202.28	43,501.04	38,251.26	28,593.39	13,969.47	186,273.27
20010	OFFICE RENT & UTILITIES	941.04	1,482.51	400.00	1,680.51	1,583.55	486.30	1,712.66	1,506.61	605.12	400.00	10,798.30
20011	TELEPHONE									60.86	(407.70)	(346.84)
20012	STATIONARY & SUPPLIES	2,494.18			2,850.55	1,890.02	550.13	274.88	633.88	1,154.42	(570.39)	9,277.67
20013	MAPS/PUBLICATION										1,062.35	1,062.35
20014	INSTRUMENT & EQUIPMENT RENTAL									5.80	59.16	64.96
20015	DRAFTING											
20016	VEHICLES	2,984.59	1,359.96	651.61	2,066.92	4,627.14	2,084.73	2,988.80	6,133.78	1,912.28	4,496.80	29,306.61
20017	CONSULTANTS					507.35	11,670.00	6,117.65	1,923.25			20,218.25
20018	CONTRACTORS											
20019	AIRCRAFT CHARTER					8,733.08	39,025.19	118,327.83	58,420.62	18,992.79		243,499.51
20020	DRILLING						77,536.20	74,586.93	78,584.77	25,369.72	1,949.08	258,026.70
20021	FUEL					1,376.40	2,455.10	1,440.72	1,200.00	1,200.00	(1,200.00)	6,472.22
20022	ASSAYS								33,186.31	(33,186.31)		
20023	GEOCHEMISTRY							20,867.95	11,070.05	52,467.97		84,405.97
20024	GEOPHYSICS	11,182.51			100.00		13,077.22	16,418.76	2,823.50			43,601.99
20025	GEOLOGY											
20026	TRENCHING					18,705.61	1,888.40	22,239.11	39,550.75	3,236.89		85,620.76
20027	ROAD BUILDING											
20028	CAMP ACCOMODATION & BOARD	400.00	(400.00)			11,607.22	7,181.81	6,522.85	14,745.29	(5,243.34)		34,813.83
20029	ACCOMODATION				374.39	567.35	2,233.57			444.16	3,428.94	7,048.41
20030	TRAVEL	853.29	1,323.35		1,746.89	6,369.89	1,111.64		703.92	193.35	2,555.43	14,857.76
20031	MISCELLANEOUS	1,365.34	593.83	119.25	831.32	12,234.44	(1,636.99)	2,786.37	2,161.18	2,480.96	1,176.06	22,111.76
20060	JV OVERHEAD											
20080	INSTRUMENTS & EQUIPMENT											
20081	GOVERNMENT FEES								30.00			30.00
20082	LEGAL											
		26,737.69	8,476.11	5,404.06	15,629.04	78,113.02	188,865.58	317,785.55	290,925.17	98,288.06	26,919.20	1,057,143.48
20090	EXPLORATION TO 31/12/88											3,328,454.01
		26,737.69	8,476.11	5,404.06	15,629.04	78,113.02	188,865.58	317,785.55	290,925.17	98,288.06	26,919.20	4,385,597.49

Sept & Oct /89

General Ledger Listing as of October 31, 1989

Ac Code	Dept Code	Account Name Pd S Date	Description	Ref	Debit	Credit	Net Change	Balance
14310		DITCH DIGGER						13,755.64 *
14311		ALIMACK RAISE CLIMBER						82,033.24 *
14312		ELECTRICS & CABLE						101,691.21 *
14400		ROADS						16,995.00 *
14500		FRONT END LOADER						181,000.00 *
14501		SMALL VEHICLES						47,482.86 *
14502		HEAVY EQUIPMENT OVERHAUL						27,692.26 *
14700		MINE OFFICE EQUIPMENT						16,258.60 *
15000		ACCUM DEPRECIATION						369,644.70- *
20000		LABOUR - EXPLORATION						143,710.41
		9 1 Sep 07 89 BRUNO BORNTAEGER	CQ328		1,517.10			
		9 1 Sep 07 89 DAN BULAT	CQ329		1,415.96			
		9 1 Sep 07 89 KELLY BOYCHUK	CQ330		910.26			
		9 1 Sep 07 89 BLAKE ELFORD	CQ331		1,287.30			
		9 1 Sep 26 89 WILLIAM VANRANDEN	CQ342		1,890.18			
		9 1 Sep 26 89 JO-ANNE BLACK	CQ343		2,082.72			
		9 1 Sep 26 89 PAULETTE FITZGERALD	CQ344		446.88			
		9 5 Sep 30 89 MSGMJV-PAY-SEPT.1-15/89	GJ#1		12,110.15			
		9 5 Sep 30 89 MSGMJV PAYROLL SEPT./89	GJ#11		177.00			
		9 5 Sep 30 89 MSGMJV PAY-SEPT/16-30/89	GJ#26		6,755.84		28,593.39	172,303.80
		10 6 Oct 31 89 MSGMJV PAYROLL 10/15/89	GJ#02		6,755.84			
		10 6 Oct 31 89 MSGMJV PAYROLL 10/31/89	GJ#02		5,503.60			
		10 6 Oct 31 89 MSGMJV PAYROLL - OCTT/89	GJ#04		173.00			
		10 6 Oct 31 89 RECLAS.INSUR.-LONDON LIF	GJ#29		3,537.03			
		10 6 Oct 31 89 INTER-CO.TERL-GJ15-CORP	GJ#30			2,000.00	13,969.47	186,273.27 *
20010		OFFICE RENT & UTILITIES						9,793.18
		9 1 Sep 07 89 DANA COMMERCIAL CREDIT	CQ327		127.52			
		9 6 Sep 30 89 ADJ.RE:INTER-CO.TERL	GJ#22			37.00		
		9 6 Sep 30 89 RECLAS.CQ326 GREY MNTN.	GJ#30		400.00			
		9 8 Sep 29 89 APIN # 2 BRUCE MCDONALD P.RPT.			114.60		605.12	10,398.30
		10 6 Oct 31 89 EXP.PREPAIDS BOOKED-SEPT	GJ#10		400.00			
		10 6 Oct 31 89 REV.QC#238-GREY MNTN.HOL	GJ#18			400.00		
		10 8 Nov 09 89 APMC # 6 GREY MOUNTAIN	000238		400.00		400.00	10,798.30 *
20011		TELEPHONE						0.00
		9 8 Sep 20 89 APIN # 1 NORTHWESTEL	6651		30.29			
		9 8 Sep 20 89 APIN # 1 NORTHWESTEL	6651		19.05			
		9 8 Sep 25 89 APIN # 2 NORTHWESTEL	2-9468		5.76			
		9 8 Sep 25 89 APIN # 2 NORTHWESTEL	3-9464		5.76		60.86	60.86

General Ledger Listing as of October 31, 1989

Ac Code	Dept Code	Pd S	Account Name	Date	Description	Ref	Debit	Credit	Net Change	Balance
20011	TELEPHONE							(continued)		
				10 6 Oct 31 89	REV.ACRL.RE:NORTHWESTEL	GJ#26		1,097.01		
				10 8 Oct 20 89	APIN # 8 NORTHWESTEL	6681	193.55			
				10 8 Oct 20 89	APIN # 8 NORTHWESTEL	6681MN	484.24			
				10 8 Oct 25 89	APIN # 8 NORTHWESTEL	2-9468	5.76			
				10 8 Oct 25 89	APIN # 8 NORTHWESTEL	3-9464	5.76		407.70-	346.84- *
20012	STATIONARY & SUPPLIES									8,693.64
				9 8 Aug 26 89	APIN # 1 DOUG REDDY EXP.A/		65.19			
				9 8 Sep 06 89	APIN # 2 YUKON OFFICE S	36425	25.10			
				9 8 Sep 08 89	APIN # 2 DOUG REDDY P.RPT.		744.29			
				9 8 Sep 18 89	APIN # 2 NEVILLE CROSBY	76358	57.42			
				9 8 Sep 26 89	APIN # 2 PHOENIX BUSINE	52825	142.98			
				9 8 Sep 27 89	APIN # 2 INTEGRAPHICS L	5666	115.55			
				9 8 Sep 29 89	APIN # 2 BRUCE MCDONALD P.RPT.		3.89		1,154.42	9,848.06
				10 6 Oct 31 89	RECLAS. RE:P.O. #6653	GJ#01		744.29		
				10 6 Oct 31 89	RECLAS. RE:P.O. #6653	GJ#01	108.69			
				10 6 Oct 31 89	ADJ.TO CQ#6098-INTEGRAPH	GJ#23		101.44		
				10 8 Aug 28 89	APIN # 8 INTEGRAPHICS L	6642MN	101.44			
				10 8 Oct 16 89	APIN # 8 YUKON PHOTOCOP	6687MN	26.00			
				10 8 Oct 31 89	APIN # 8 BRUCE MCDONALD	6690MN	34.40			
				10 8 Nov 06 89	APIN # 8 DOUG REDDY	6693MN	4.81		570.39-	9,277.67 *
20013	MAPS/PUBLICATION									0.00 *
20014	INSTRUMENT & EQUIPMENT RENTAL									0.00
				10 6 Oct 31 89	EXP.PREPAIDS BOOKED-SEPT	GJ#10	590.00			
				10 6 Oct 31 89	EXP.PREPAIDS BOOKED-SEPT	GJ#10	108.29			
				10 6 Oct 31 89	REV.QC#239-DENECKI CORP.	GJ#19		590.00		
				10 6 Oct 31 89	G/L ADJ.-PHOENIX BUS.SER	GJ#25	275.00			
				10 8 Oct 24 89	APMC # 3 DANA COMMERCIA	000228	89.06			
				10 8 Nov 09 89	APMC # 6 DENECKI CORPOR	000239	590.00		1,062.35	1,062.35 *
20015	DRAFTING									0.00
				9 8 Sep 27 89	APIN # 2 INTEGRAPHICS L	5666	5.80		5.80	5.80
				10 8 Oct 26 89	APIN # 8 INTEGRAPHICS L	6691MN	59.16		59.16	64.96 *
20016	VEHICLES									22,897.53
				9 0 Sep 30 89	REV.GJ#11-AUG.ACCRUALS	GJ#5		1,000.00		
				9 1 Sep 07 89	DAVE BUCK FORD SALES LTD	CQ325	996.46			
				9 6 Sep 30 89	TO RECORD LEASE PAYMENTS	GJ#3	1,198.00			
				9 6 Sep 30 89	RECLAS.WESTMINISTER AUTO	GJ#20		1,033.00		
				9 6 Sep 30 89	RECLAS.ZEPHIR AUTO LEASE	GJ#21		1,363.00		
				9 6 Sep 30 89	SEPT.ACCRUAL RE:D.JAMES	GJ#24	30.33			
				9 8 Aug 14 89	APIN # 1 WHITEHORSE MOT	6592	268.97			
				9 8 Aug 23 89	APIN # 1 WHITEHORSE MOT	6617	134.02			
				9 8 Aug 24 89	APIN # 1 WHITEHORSE MOT	6639	60.66			
				9 8 Aug 26 89	APIN # 1 DOUG REDDY EXP.A/		25.00			
				9 8 Aug 26 89	APIN # 1 WHITEHORSE MOT	6562	384.73			

General Ledger Listing as of October 31, 1989

Ac Code	Dept Code	Pd S	Account Name Date	Description	Ref	Debit	Credit	Net Change	Balance
20016	VEHICLES						(continued)		
			9 8 Aug 30 89	APIN # 1 NORTHLAND SERV 6676		10.50			
			9 8 Aug 31 89	APIN # 1 NORCAN LEASING 4788		1,000.00			
			9 8 Sep 01 89	APIN # 1 BRUCE MCDONALD EXP.A/		112.34			
			9 8 Sep 05 89	APIN # 1 ARC-TEC TOWING 6670		125.00			
			9 8 Sep 05 89	APIN # 1 WHITE PASS PET 6672		770.00			
			9 8 Sep 08 89	APIN # 2 DOUG REDDY P.RPT.		75.50			
			9 8 Sep 29 89	APIN # 2 BRUCE MCDONALD P.RPT.		116.77		1,912.28	24,809.81
			10 6 Oct 31 89	OCT. AUTO LEASE PAYMENTS GJ#05		1,198.00			
			10 6 Oct 31 89	REV.GJ#24-SEPT-ACCRUAL GJ#08			30.33		
			10 6 Oct 31 89	EXP.PREPAIDS BOOKED-SEPT GJ#10		996.46			
			10 6 Oct 31 89	REV.QC#237-DAVE BUCK FRD GJ#20			996.46		
			10 8 Aug 13 89	APIN # 8 SECOND AVENUE 6677MN		19.50			
			10 8 Aug 26 89	APIN # 8 WHITEHORSE MOT 6646MN		166.73			
			10 8 Aug 29 89	APIN # 8 WHITEHORSE MOT 6646MN		321.13			
			10 8 Sep 05 89	APIN # 8 WHITEHORSE MOT 6610		607.23			
			10 8 Sep 05 89	APIN # 9 WHITE PASS PET 6672MN		770.00			
			10 8 Sep 08 89	APIN # 8 WHITEHORSE MOT 6647MN		121.96			
			10 8 Sep 18 89	APIN # 8 SECOND AVENUE 6677MN		148.45			
			10 8 Sep 21 89	APIN # 8 WHITEHORSE MOT 6673MN		96.11			
			10 8 Oct 02 89	APIN # 8 DEBBIE JAMES 6654MN		30.33			
			10 8 Oct 11 89	APIN # 8 DEBBIE JAMES 6678MN		22.13			
			10 8 Nov 06 89	APIN # 8 DOUG REDDY 6693MN		29.10			
			10 8 Nov 09 89	APMC # 6 DAVE BUCK FORD 000237		996.46		4,496.80	29,306.61 *
20.	CONSULTANTS								20,218.25 *
20018	CONTRACTORS								0.00 *
20019	AIRCRAFT CHARTER								224,506.72
			9 0 Sep 30 89	REV.GJ#24 AUG.ACCRUALS GJ#8			30,000.00		
			9 8 Sep 08 89	APIN # 1 FRONTIER HELIC 6664		25,445.31			
			9 8 Sep 30 89	APIN # 2 FRONTIER HELIC 4252		23,547.48		18,992.79	243,499.51 *
20020	DRILLING								230,707.90
			9 0 Sep 30 89	REV.GJ#11-AUG.ACCRUALS GJ#5			76,542.77		
			9 8 May 09 89	APIN # 1 ADVANCED DRILL 6699		37,776.57			
			9 8 Aug 18 89	APIN # 1 ADVANCED DRILL 6663		38,766.20			
			9 8 Sep 05 89	APIN # 1 WHITE PASS PET 6672		2,006.58			
			9 8 Sep 14 89	APIN # 1 COLETON CONSTR 6674		385.00			
			9 8 Sep 25 89	APIN # 2 ADVANCED DRILL 040-07		24,810.14			
			9 8 Sep 26 89	APIN # 1 ADVANCED DRILL CREDIT			1,832.00	25,369.72	256,077.62
			10 8 Sep 05 89	APIN # 9 WHITE PASS PET 6672MN		2,006.58			
			10 8 Sep 25 89	APIN # 7 ADVANCED DRILL R.ADJ.			57.50	1,949.08	258,026.70 *
20021	FUEL								6,472.22
			9 1 Sep 20 89	INDUSTRIAL POWER RENTALS CQ337		1,200.00			
			9 8 Jul 04 88	APIN # 3 WHITE PASS PET 402881		41.00			
			9 8 Jul 04 88	APIN # 5 WHITE PASS PET VERSAL			41.00		

General Ledger Listing as of October 31, 1989

Acc Code	Dept Code	Account Name Pd S Date	Description	Ref	Debit	Credit	Net Change	Balance
20021	FUEL					(continued)		
		9 8 Jul 07 88	APIN # 3 WHITE PASS PET 402917		496.00			
		9 8 Jul 07 88	APIN # 6 WHITE PASS PET VERSAL			496.00		
		9 8 Sep 02 88	APIN # 3 WHITE PASS PET 404819		26.98			
		9 8 Sep 02 88	APIN # 6 WHITE PASS PET VERSAL			26.98		
		9 8 Sep 30 88	APIN # 3 WHITE PASS PET 300988			1,018.60		
		9 8 Sep 30 88	APIN # 6 WHITE PASS PET VERSAL		1,018.60		1,200.00	7,672.22
		10 6 Oct 31 89	VOID CQ#337 GJ#12			1,200.00	1,200.00-	6,472.22 *
20022	ASSAYS							33,186.31
		9 0 Sep 30 89	REV.GJ#11-AUG.ACCRUALS GJ#5			26,186.31		
		9 0 Sep 30 89	REV.GJ#24 AUG.ACCRUALS GJ#8			7,000.00	33,186.31-	0.00 *
20023	GEOCHEMISTRY							31,938.00
		9 8 Aug 19 89	APIN # 1 NORTHERN ALALY 6514		6,920.25			
		9 8 Aug 28 89	APIN # 1 BONDAR-CLEGG & 6605		166.00			
		9 8 Aug 29 89	APIN # 1 BONDAR-CLEGG & FREIGH		51.12			
		9 8 Aug 30 89	APIN # 1 NORTHERN ALALY 6576		693.00			
		9 8 Aug 30 89	APIN # 1 NORTHERN ALALY 6550		1,035.00			
		9 8 Aug 31 89	APIN # 1 NORTHERN ALALY 6517		4,915.75			
		9 8 Aug 31 89	APIN # 1 NORTHERN ALALY 6577		957.50			
		9 8 Sep 01 89	APIN # 1 NORTHERN ALALY 6521		2,402.75			
		9 8 Sep 05 89	APIN # 1 NORTHERN ALALY 6609		23.50			
		9 8 Sep 06 89	APIN # 1 BONDAR-CLEGG & 6584		2,644.55			
		9 8 Sep 06 89	APIN # 1 BONDAR-CLEGG & 6584		2,077.05			
		9 8 Sep 08 89	APIN # 1 NORTHERN ALALY 6579		3,917.50			
		9 8 Sep 09 89	APIN # 1 NORTHERN ALALY 6608		1,979.25			
		9 8 Sep 10 89	APIN # 1 NORTHERN ALALY 6585		2,255.50			
		9 8 Sep 11 89	APIN # 1 NORTHERN ALALY 6515		6,117.75			
		9 8 Sep 11 89	APIN # 1 NORTHERN ALALY 6583		1,396.50			
		9 8 Sep 12 89	APIN # 1 NORTHERN ALALY 6611		669.50			
		9 8 Sep 21 89	APIN # 1 NORTHERN ALALY 6603		2,495.00			
		9 8 Sep 21 89	APIN # 1 NORTHERN ALALY 6607		2,907.00			
		9 8 Sep 21 89	APIN # 1 NORTHERN ALALY 6648		1,149.50			
		9 8 Sep 24 89	APIN # 1 NORTHERN ALALY 6649		794.25			
		9 8 Sep 26 89	APIN # 1 NORTHERN ALALY 6561		6,078.75			
		9 8 Sep 30 89	APIN # 1 NORTHERN ALALY 6516		821.00		52,467.97	84,405.97 *
20024	GEOPHYSICS							43,601.99
		9 0 Sep 30 89	REV.GJ#11-AUG.ACCRUALS GJ#5			2,823.50		
		9 8 Aug 31 89	APIN # 1 GEO-PHYSI-CON 6667		2,823.50		0.00	43,601.99 *
20025	GEOLOGY							0.00 *
20026	TRENCHING							82,383.87
		9 0 Sep 30 89	REV.GJ#11-AUG.ACCRUALS GJ#5			11,750.00		
		9 8 Aug 14 89	APIN # 1 COLETON CONSTR 6675		5,580.00			
		9 8 Sep 14 89	APIN # 1 COLETON CONSTR 6674		9,406.89		3,236.89	85,620.76 *

General Ledger Listing as of October 31, 1989

Ac. Code	Dept Code	Account Name Pd S Date	Description	Ref	Debit	Credit	Net Change	Balance
20027		ROAD BUILDING						0.00 *
20028		CAMP ACCOMODATION & BOARD						40,057.17
		9 0 Sep 30 89	REV.GJ#11-AUG.ACCRUALS	GJ#5		599.48		
		9 0 Sep 30 89	REV.GJ#24 AUG.ACCRUALS	GJ#8		7,300.00		
		9 1 Sep 07 89	GREY MOUNTAIN HOLDINGS	CQ326	400.00			
		9 6 Sep 30 89	RECLAS.CQ326 GREY MNTN.	GJ#30		400.00		
		9 8 Aug 01 89	APIN # 1 AQUA TECH SUPP	6626	152.29			
		9 8 Aug 05 89	APIN # 1 Y.S.S.C.RENTAL	6165	600.00			
		9 8 Aug 28 89	APIN # 1 ICG LIQUID GAS	6671	907.75			
		9 8 Sep 01 89	APIN # 1 BRUCE MCDONALD EXP.A/		592.60			
		9 8 Sep 02 89	APIN # 1 ICG LIQUID GAS	6671	24.00			
		9 8 Sep 07 89	APIN # 1 KELLY,DOUGLAS	6636	300.15			
		9 8 Sep 07 89	APIN # 1 YUKON MEAT & S	6637	353.74			
		9 8 Sep 11 89	APIN # 1 KELLY,DOUGLAS	6638	19.25			
		9 8 Sep 14 89	APIN # 1 KELLY,DOUGLAS	6638	51.06			
		9 8 Sep 15 89	APIN # 1 KELLY,DOUGLAS CREDIT			36.24		
		9 8 Sep 21 89	APIN # 1 KELLY,DOUGLAS CREDIT			11.41		
		9 8 Sep 21 89	APIN # 1 KELLY,DOUGLAS CREDIT			15.86		
		9 8 Sep 21 89	APIN # 1 KELLY,DOUGLAS CREDIT			52.95		
		9 8 Sep 21 89	APIN # 1 KELLY,DOUGLAS CREDIT			13.48		
		9 8 Sep 21 89	APIN # 1 KELLY,DOUGLAS CREDIT			59.00		
		9 8 Sep 21 89	APIN # 1 KELLY,DOUGLAS CREDIT			38.51		
		9 8 Sep 21 89	APIN # 1 KELLY,DOUGLAS CREDIT			78.79		
		9 8 Sep 21 89	APIN # 1 KELLY,DOUGLAS CREDIT			38.46	5,243.34-	34,813.83 *
20029		ACCOMODATION						3,175.31
		9 6 Sep 30 89	SEPT.ACCRUAL RE:D.JAMES	GJ#24	169.22			
		9 6 Sep 30 89	SEPT.ACRUL.-REGINA HOTEL	GJ#25	102.75			
		9 8 Sep 08 89	APIN # 2 DOUG REDDY	P.RPT.	108.69			
		9 8 Sep 13 89	APIN # 1 YUKON INN	6701	50.00			
		9 8 Sep 29 89	APIN # 2 BRUCE MCDONALD P.RPT.		13.50		444.16	3,619.47
		10 6 Oct 31 89	RECLAS. RE:P.O.#6653	GJ#01	744.29			
		10 6 Oct 31 89	RECLAS. RE:P.O. #6653	GJ#01		108.69		
		10 6 Oct 31 89	REV.GJ#24-SEPT-ACCRUAL	GJ#08		169.22		
		10 6 Oct 31 89	REV.GJ#25-SEPT-ACCRUAL	GJ#09		102.75		
		10 6 Oct 31 89	OCT.ACCRL.RE:REGINA HOTL	GJ#32	102.75			
		10 8 Sep 30 89	APIN # 8 EDGEWATER HOTE	RM 107	810.50			
		10 8 Sep 30 89	APIN # 8 EDGEWATER HOTE	RM 106	870.00			
		10 8 Oct 02 89	APIN # 8 DEBBIE JAMES	6654MN	169.22			
		10 8 Oct 04 89	APIN # 8 DEBBIE JAMES	6682MN	181.10			
		10 8 Oct 11 89	APIN # 8 DEBBIE JAMES	6678MN	144.95			
		10 8 Oct 28 89	APIN # 8 DEBBIE JAMES	6692MN	95.55			
		10 8 Nov 06 89	APIN # 8 DOUG REDDY	6693MN	691.24		3,428.94	7,048.41 *
20030		TRAVEL						12,108.98
		9 7 Sep 30 89	INTER-CO.EGM-P.JAMET	GJ#29	173.35			
		9 8 Aug 26 89	APIN # 1 DOUG REDDY	EXP.A/	20.00		193.35	12,302.33
		10 8 Oct 12 89	APIN # 8 WHITEHORSE TRA	6680MN	2,210.00			

General Ledger Listing as of October 31, 1989

Ac Code	Dept Code	Pd S	Account Name Date	Description	Ref	Debit	Credit	Net Change	Balance
20030	TRAVEL						(continued)		
			10 8 Oct 31 89	APIN # 8 BRUCE MCDONALD 6690MN		345.43		2,555.43	14,857.76 *
20031	MISCELLANEOUS								18,454.74
			9 0 Sep 30 89	REV.GJ#11-AUG.ACCRUALS GJ#5			318.29		
			9 1 Sep 07 89	DENECKI CORP. CQ324		1,180.00			
			9 8 Jul 04 89	APIN # 1 TOTAL NORTH CO 6533		938.00			
			9 8 Jul 19 89	APIN # 1 TOTAL NORTH CO 6630		854.00			
			9 8 Sep 01 89	APIN # 1 BRUCE MCDONALD EXP.A/		14.97			
			9 8 Sep 13 89	APIN # 3 NEVILLE CROSBY 896510		187.72			
			9 8 Sep 13 89	APIN # 5 NEVILLE CROSBY VERSAL			187.72		
			9 8 Sep 30 89	APIN # 4 NEVILLE CROSBY 896510			187.72	2,480.96	20,935.70
			10 6 Oct 31 89	G/L ADJ. RE:SEPT/89 GJ#16		187.72			
			10 6 Oct 31 89	G/L ADJ.-PHOENIX BUS.SER GJ#25			275.00		
			10 6 Oct 31 89	A/P TERL-COURIER/LUMBER GJ#31		988.34			
			10 8 Oct 12 89	APIN # 8 PHOENIX BUSINE 6591MN		275.00		1,176.06	22,111.76 *
20060	JV OVERHEAD								0.00 *
20080	INSTRUMENTS & EQUIPMENT								0.00 *
20081	GOVERNMENT FEES								30.00 *
20082	LEGAL								0.00 *
20000	EXPLORATION TO 31/12/88								3,328,454.01 *
48000	UNDERGROUND DEVELOPMENT								407,897.67 *
48100	LAKE ZONE								1,436,568.90 *
49900	ACCUMULATED DEPLETION								0.00
			9 6 Sep 30 89	RECLAS.OF ACCUM.DEPLETIO GJ#15		369,472.55		369,472.55	369,472.55 *
49951	ACCUMULATED DEPLETION								369,472.55-
			9 6 Sep 30 89	RECLAS.OF ACCUM.DEPLETIO GJ#15			369,472.55	369,472.55-	738,945.10- *
50100	ACCOUNTS PAYABLE								258,217.47-
			9 0 Sep 30 89	REV.GJ#3 AUG. CQ.RUN GJ#2		38,967.73			
			9 0 Sep 30 89	REV.GJ#18 CQ.RUN REVERSL GJ#7		219,742.49			
			9 8 Jul 04 88	APIN # 5 WHITE PASS PET 402881		41.00			
			9 8 Jul 07 88	APIN # 5 WHITE PASS PET 402917		496.00			
			9 8 Sep 02 88	APIN # 5 WHITE PASS PET 404819		26.98			
			9 8 Sep 30 88	APIN # 5 WHITE PASS PET 300988			1,018.60		
			9 8 Nov 30 88	APIN # 5 PITNEY BOWES 380235			225.85		
			9 8 Sep 13 89	APIN # 5 NEVILLE CROSBY 896510		187.72			
			9 8 Oct 05 89	APIN batches 1 to 1. Inv.			183,739.02		
			9 8 Oct 12 89	APIN batches 2 to 2. Inv.			49,893.23		
			9 8 Oct 12 89	APIN batches 3 to 3. Inv.		492.75			

028525 ABANDONMENT

* BALANCE FORWARD		3,125.95	
* TOTALS	0.00	*	3,125.95 *

029101 GENERAL-LABOUR

* BALANCE FORWARD		105,459.15
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15 AUG 89	1-8-1	1	MSGMJV-PAY, AUG.1-15/89	1	19,331.66	
31 AUG 89	1-8-1	2	MSGMJV PAY,AUG.16-31/89	1	19,291.85	
31 AUG 89	1-8-2	8	MSGMJV PAYROLL AUG./89	1	86.75	
31 AUG 89	1-8-2	12	INTER-CO.TERL VIA MSGMJV	1	800.00CR	
31 AUG 89	1-8-2	14	INTER-CO. EGM RE: AUG. MSP	1	341.00	
* TOTALS					38,251.26 *	143,710.41 *

Aug /89.

029102 GENERAL-DRAFTING LABOUR-SUPPLY

* BALANCE FORWARD		8,059.76
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89 AUG 01	070590	000006	DOMINION BLUEPRINT & REPR		29.60	
89 AUG 05	005327	006600	INTEGRAPHICS		313.09	
89 AUG 28	005482	006642	INTEGRAPHICS		101.44	
89 AUG 21	075665	000007	NEVILLE CROSBY INC.		39.75	
31 AUG 89	1-8-2	12	INTER-CO.TERL VIA MSGMJV	1	150.00	
* TOTALS					633.88 *	8,693.64 *

029103 GENERAL-TRENCHING & ROADS

* BALANCE FORWARD		42,833.12
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89 AUG 11	057530	006582	BEAVER LUMBER		24.75	
89 AUG 07	056660	006578	BEAVER LUMBER		1,501.75	
89 AUG 28	059625	006644	COLETON CONSTRUCTION CO.		1,080.00	
89 AUG 26	059623	006644	COLETON CONSTRUCTION CO.		1,200.00	
89 AUG 27	059624	006644	COLETON CONSTRUCTION CO.		1,080.00	
89 AUG 29	059626	006644	COLETON CONSTRUCTION CO.		1,080.00	
89 AUG 03	JUL-89	006598	GORDON CLARK AND ASSOCIAT		11,805.87	
89 AUG 22	AUG-18	006641	GORDON CLARK AND ASSOCIAT		10,028.38	
31 AUG 89	1-8-2	11	AUGUST ACCRUALS-VARIOUS	1	11,750.00	
* TOTALS					39,550.75 *	82,383.87 *

029104 GENERAL-OFFICE-RENT-POWER

* BALANCE FORWARD		8,286.57
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89 AUG 10	247514	000000	CANADIAN AIRLINES INTERNA		9.99	
89 AUG 14	140889	006618	BRUCE McDONALD		72.81	
89 JUL 18	180789	006618	BRUCE McDONALD		11.27	
89 AUG 20	005650	006643	NORTHWESTEL		398.95	
89 AUG 20	003968	006643	NORTHWESTEL		176.59	
31 AUG 89	1-8-1	4	VARIOUS MANUAL-AUG. CHQ'S	1	400.00	
31 AUG 89	1-8-1	7	RECLAS.GJ#252-GREY MNTN.	1	400.00	
31 AUG 89	1-8-2	12	INTER-CO.TERL VIA MSGMJV	1	37.00	
* TOTALS					1,506.61 *	9,793.18 *

- CAN AIRLINES

MOUNT SKUKUM GOLD MINING J/V

GENERAL LEDGER ANALYSIS

20 SEP 89

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PERIOD END: 31-AUG-89

G/L ACCT	DATE	INVOICE	P.O.#	DESCRIPTION	I D	CURRENT MONTH	BALANCE YTD
029105	GENERAL-SOIL SAMPLING			* BALANCE FORWARD			20,867.95
	89 AUG 31	262410	000000	CANADIAN AIRLINES-INTERNA		54.00	
	89 JUL 13	060802	004785	BONDAR-CLEGG & COMPANY LT		283.50	
	89 AUG 10	062157	004785	BONDAR-CLEGG & COMPANY LT		57.50	
	89 JUL 19	061064	004785	BONDAR-CLEGG & COMPANY LT		48.75	
	89 JUN 30	060506	004785	BONDAR-CLEGG & COMPANY LT		364.50	
	89 JUL 06	060655	004785	BONDAR-CLEGG & COMPANY LT		762.50	
	89 JUL 05	060620	004785	BONDAR-CLEGG & COMPANY LT		238.35	
	89 JUL 14	060926	004785	BONDAR-CLEGG & COMPANY LT		5,811.20	
	89 JUL 30	029011	006512	NORTHERN ANALYTICAL LABOR		2,957.75	
	89 AUG 04	029073	006590	NORTHERN ANALYTICAL LABOR		225.00	
	89 AUG 01	029059	006587	NORTHERN ANALYTICAL LABOR		163.50	
	89 AUG 11	75431	006581	NEVILLE CROSBY INC.		103.50	
				* TOTALS		11,070.05	31,938.00

GENERAL - ASSAY & ANALYSIS

31 AUG 89 1-8-4 21
31 AUG 89 1-8-5 25

* TOTALS 11,070.05 * 31,938.00 *
* BALANCE FORWARD 0.00
CODING ASSAY ACCRUAL 1 26,186.31
RECLAS. GJ#24 1 7,000.00
* TOTALS 33,186.31 * 33,186.31 *

029110 GENERAL-GEOPHYSICS

89 JUL 19 001404 006601
31 AUG 89 1-8-2 10
31 AUG 89 1-8-2 11

* BALANCE FORWARD 40,778.49
GEO-PHYSI-CON 16,418.76
REV. JUL. ACRLS GJ#21, 22 & 23 1 16,418.76CR
AUGUST ACCRUALS-VARIOUS 1 2,823.50
* TOTALS 2,823.50 * 43,601.99 *

029111 GENERAL-SUPPLY

89 AUG 02 002125 006518
89 JUL 31 055057 006519
89 AUG 05 005327 006600
89 SEP 13 290689 006510
89 AUG 07 010000 006580
89 AUG 23 057612 006645
89 JUL 31 035713 006640
89 AUG 07 035851 006640
89 JUL 06 061836 006544
31 AUG 89 1-8-2 11
31 AUG 89 1-8-2 12

* BALANCE FORWARD 16,293.56
BONDAR-CLEGG & COMPANY LT 332.00
BEAVER LUMBER 62.41
INTEGRAPHS 247.05
NEVILLE CROSBY INC. 187.72
TOTAL NORTH COMMUNICATION 57.50
YUKON PHOTOCOPY LTD 26.00
YUKON OFFICE SUPPLIES 32.31
YUKON OFFICE SUPPLIES 57.03
YUKON BUILDING SUPPLIES L 623.80
AUGUST ACCRUALS-VARIOUS 1 318.29
INTER-CO. TERL VIA MSGMV 1 217.07
* TOTALS 2,161.18 * 18,454.74 *

029113 GENERAL-VEHICLES

89 AUG 23 038101 006602
89 AUG 14 140889 006618
89 JUL 18 180789 006618
89 JUL 20 094150 006702
89 JUL 06 093670 006702
89 JUL 31 003127 004788
89 JUN 30 003128 004788
89 JUN 28 012576 006532
89 JUL 12 012954 006546
89 JUL 07 012869 006546
89 JUL 20 013245 006627

* BALANCE FORWARD 16,763.75
ARC-REC TOWING 155.00
BRUCE McDONALD 198.20
BRUCE McDONALD 214.76
NORTHLAND SERVICES 19.00
NORTHLAND SERVICES 31.00
NORCAN LEASING LTD. 1,000.00
NORCAN LEASING LTD. 33.33
WHITEHORSE MOTORS LIMITED 454.36
WHITEHORSE MOTORS LIMITED 2.80
WHITEHORSE MOTORS LIMITED 338.69
WHITEHORSE MOTORS LIMITED 32.25

MOUNT SKUKUM GOLD MINING J/V

GENERAL LEDGER ANALYSIS

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G/L
ACCT

DATE INVOICE

P.O.#

DESCRIPTION

I
DCURRENT
MONTHBALANCE
YTD

89 JUL 15 013096 006627 WHITEHORSE MOTORS LIMITED 504.29
89 JUL 15 013305 006627 WHITEHORSE MOTORS LIMITED 58.09
89 JUL 05 012753 006543 WHITEHORSE MOTORS LIMITED 194.01
89 JUL 29 871809 006586 WHITE PASS PETROLEUM SERV 700.00
31 AUG 89 1-8-2 11 AUGUST ACCRUALS-VARIOUS 1 1,000.00
31 AUG 89 1-8-4 17 RECLAS GJ#6 EXP. TRUCKS 1 1,198.00
* TOTALS 6,133.78 * 22,897.53 *

GENERAL-FOOD & CAMP CHARGES

* TOTALS

6,133.78 * 22,897.53 *

89 AUG 16	021707	006557	* BALANCE FORWARD		25,311.88
89 AUG 16	021760	006557	KELLY, DOUGLAS & COMPANY,	151.08	
89 AUG 16	021709	006557	KELLY, DOUGLAS & COMPANY,	28.70	
89 AUG 16	021708	006557	KELLY, DOUGLAS & COMPANY,	154.75	
89 AUG 07	019060	006555	KELLY, DOUGLAS & COMPANY,	250.13	
89 AUG 10	016674	006555	KELLY, DOUGLAS & COMPANY,	92.59	
89 JUL 28	006883	006555	KELLY, DOUGLAS & COMPANY,	413.89	
89 JUL 28	006884	006555	KELLY, DOUGLAS & COMPANY,	243.25CR	
89 JUL 28	006882	006555	KELLY, DOUGLAS & COMPANY,	62.97CR	
89 AUG 10	009815	006555	KELLY, DOUGLAS & COMPANY,	67.34CR	
89 AUG 09	021094	006555	KELLY, DOUGLAS & COMPANY,	90.80	
89 AUG 09	021120	006555	KELLY, DOUGLAS & COMPANY,	143.51	
89 AUG 22	013176	006559	KELLY, DOUGLAS & COMPANY,	15.47	
89 AUG 16	021707	006559	KELLY, DOUGLAS & COMPANY,	181.90	
89 AUG 24	016938	006559	KELLY, DOUGLAS & COMPANY,	34.96CR	
89 AUG 24	010193	006559	KELLY, DOUGLAS & COMPANY,	366.40	
89 AUG 23	022281	006559	KELLY, DOUGLAS & COMPANY,	93.60	
89 AUG 31	018680	006619	KELLY, DOUGLAS & COMPANY,	67.35	
89 AUG 28	016942	006619	KELLY, DOUGLAS & COMPANY,	258.50	
89 AUG 28	016943	006619	KELLY, DOUGLAS & COMPANY,	66.87	
89 AUG 30	014268	006619	KELLY, DOUGLAS & COMPANY,	42.48	
89 AUG 31	010361	006619	KELLY, DOUGLAS & COMPANY,	17.38CR	
89 AUG 30	022953	006619	KELLY, DOUGLAS & COMPANY,	72.00	
89 AUG 14	013242	006557	KELLY, DOUGLAS & COMPANY,	91.20	
89 AUG 15	016818	006557	KELLY, DOUGLAS & COMPANY,	177.14	
89 AUG 17	017011	006557	KELLY, DOUGLAS & COMPANY,	123.97	
89 AUG 17	010023	006557	KELLY, DOUGLAS & COMPANY,	314.76	
89 AUG 07	009152	006556	YUKON MEAT & SAUSAGE	81.75	
89 AUG 10	009238	006556	YUKON MEAT & SAUSAGE	40.74	
89 AUG 10	009239	006556	YUKON MEAT & SAUSAGE	681.34	
89 AUG 17	009328	006558	YUKON MEAT & SAUSAGE	145.56	
89 AUG 17	009329	006558	YUKON MEAT & SAUSAGE	545.00	
89 AUG 14	009276	006556	YUKON MEAT & SAUSAGE	101.54	
89 AUG 22	009330	006560	YUKON MEAT & SAUSAGE	211.52	
89 AUG 24	009399	006560	YUKON MEAT & SAUSAGE	41.12	
89 AUG 31	009468	006220	YUKON MEAT & SAUSAGE	753.06	
89 AUG 28	009467	006220	YUKON MEAT & SAUSAGE	599.48	
31 AUG 89	1-8-1	4	VARIOUS MANUAL AUG. CHQ'S	20.90	
31 AUG 89	1-8-1	7	RECLAS.GJ#252-GREY MNTN.	1,252.61	
31 AUG 89	1-8-2	11	AUGUST ACCRUALS-VARIOUS	400.00CR	
31 AUG 89	1-8-5	24	LATE AUGUST ACCRUAL	599.48	
			* TOTALS	7,300.00	

14,745.29 * 40,057.17 *

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G/L ACCT	DATE	INVOICE	P.O.#	DESCRIPTION	I D	CURRENT MONTH	BALANCE YTD
029116 GENERAL-ACCOMODATION				* BALANCE FORWARD			3,175.31
				* TOTALS		0.00 *	3,175.31 *
029117 GENERAL-TRAVEL				* BALANCE FORWARD			11,405.06
	31 AUG 89	1-8-1	4	VARIOUS MANUAL AUG. CHQ'S	1	381.32	
	31 AUG 89	1-8-2	12	INTER-CO. TERL VIA MSGMJV	1	322.60	
				* TOTALS		703.92 *	12,108.98 *
029118 GENERAL-CONSULTANTS				* BALANCE FORWARD			18,295.00
	89 AUG 03	2008.2	006580	THOMSON & ILES		1,923.25	
				* TOTALS		1,923.25 *	20,218.25 *
029119 GENERAL-HELICOPTER				* BALANCE FORWARD			166,086.10
	89 AUG 18	004034	006703	FRONTIER-HELICOPTER LTD.		35,809.62	
	89 AUG 08	003986	006595	FRONTIER HELICOPTER LTD.		49,212.34	
	89 JUL 19	003932	006593	FRONTIER HELICOPTER LTD.		50,633.83	
	89 JUL 19	003933	006594	FRONTIER HELICOPTER LTD.		17,481.16	
	89 AUG 09	008607	006594	FRONTIER HELICOPTER LTD.		7,389.00CR	
	31 AUG 89	1-8-2	10	REV. JUL. ACRLS GJ#21,22&23	1	117,327.33CR	
	31 AUG 89	1-8-5	24	LATE-AUGUST ACCRUAL	1	30,000.00	
				* TOTALS		58,420.62 *	224,506.72 *
029121 GENERAL-CLAIM FEES-LEGAL COST				* BALANCE FORWARD			0.00
	31 AUG 89	1-8-1	4	VARIOUS MANUAL AUG. CHQ'S	1	30.00	
				* TOTALS		30.00 *	30.00 *
029125 GENERAL-D.DRILL(SFC)				* BALANCE FORWARD			152,123.13
	89 AUG 03	5040-4	006597	ADVANCE DRILLING LTD		35,391.85	
	89 JUL 29	871810	006586	WHITE-PASS PETROLEUM SERV		2,002.00	
	31 AUG 89	1-8-2	10	REV. JUL. ACRLS GJ#21,22&23	1	35,351.85CR	
	31 AUG 89	1-8-2	11	AUGUST ACCRUALS-VARIOUS	1	76,542.77	
				* TOTALS		78,584.77 *	230,707.90 *
029127 GENERAL-ELECTRIC SUPPLY				* BALANCE FORWARD			5,272.22
	31 AUG 89	1-8-1	4	VARIOUS MANUAL AUG. CHQ'S	1	1,200.00	
				* TOTALS		1,200.00 *	6,472.22 *

029128 ACCOUNTING & MAINTENANCE

* BALANCE FORWARD

029101 GENERAL-LABOUR				* BALANCE FORWARD		61,958.11	
Jul 89	31 JUL 89	1-7-1	255	BLAKE ELFORD PAY ADVANCE	1	750.00	
	31 JUL 89	1-7-1	7	PAYROLL MS1 JULY 15/89	1	18,954.99	
	31 JUL 89	1-7-1	7	PAYROLL MS1 JULY 15/89	1	750.00CR	
	31 JUL 89	1-7-1	9	MSGHJV-PAYROLL JULY/89	1	85.62	
	31 JUL 89	1-7-2	JE#15	PAYROLL JULY 31	1	19,691.43	
	31 JUL 89	1-7-2	JE#16	CORR. WAGE CODING	1	9,087.79	
	31 JUL 89	1-7-4	JE#29	INTER CO TERL JUNE	1	132.50	
	31 JUL 89	1-7-4	JE#32	EXPLOR. LABOUR INTER CO	1	1,830.00CR	
	31 JUL 89	1-7-4	JE#36	YTD PAYROLL ADJ.	1	2,621.29CR	
	* TOTALS					43,501.04	* 105,459.15 *
029102 GENERAL-DRAFTING LABOUR-SUPPLY				* BALANCE FORWARD		7,784.88	
	89 JUL 04	000047	004801	DOMINION BLUEPRINT & REPR		80.80	
	89 JUN 26	066211	000001	DOMINION BLUEPRINT & REPR		23.90	
	89 JUN 26	066212	000002	DOMINION BLUEPRINT & REPR		40.40	
	89 JUL 31	070401	000005	DOMINION BLUEPRINT & REPR		24.78	
	31 JUL 89	1-7-4	JE#31	DRAFTING LABOUR KAREN	1	105.00	
* TOTALS						274.88	* 8,059.76 *
029103 GENERAL-TRENCHING & ROADS				* BALANCE FORWARD		20,594.01	
	31 JUL 89	1-7-1	291	GORDON CLARK & ASSOCIATES	1	22,239.11	
* TOTALS						22,239.11	* 42,833.12 *
029104 GENERAL-OFFICE-RENT-POWER				* BALANCE FORWARD		6,573.91	
	89 JUL 09	151860	004756	DANA COMMERCIAL CREDIT CA		89.06	
	89 JUL 20	JUL968	006623	NORTHWESTEL		289.75	
	89 JUL 20	JUL650	006623	NORTHWESTEL		512.04	
	31 JUL 89	1-7-1	13	A/P RECLAS.RE:NORTHWESTEL	1	11.52	
	89 JUL 21	509102	000000	EXPRESS AIRBORNE		8.50	
	89 JUL 20	JUL/89	006623	NORTHWESTEL		289.75	
	89 JUL 20	JUL/89	006623	NORTHWESTEL		512.04	
* TOTALS						1,712.66	* 8,286.57 *

OBJECT	DATE	INVOICE	P.O.#	DESCRIPTION	I D	CURRENT MONTH	BALANCE YTD
029105 GENERAL-SOIL SAMPLING				* BALANCE FORWARD			0.00
	89 JUL 07	060684	004783	BONDAR-CLEGG & COMPANY LT		94.50	
	89 JUL 19	061063	004783	BONDAR-CLEGG & COMPANY LT		36.25	
	89 JUN 28	060368	004783	BONDAR-CLEGG & COMPANY LT		118.85	
	89 JUN 30	060475	004783	BONDAR-CLEGG & COMPANY LT		350.75	
	89 JUN 30	060476	004783	BONDAR-CLEGG & COMPANY LT		124.85	
	89 JUL 04	060551	004783	BONDAR-CLEGG & COMPANY LT		2,735.35	
	89 JUL 08	029005	006542	NORTHERN ANALYTICAL LABOR		343.50	
	89 JUN 30	060453	004780	BONDAR-CLEGG & COMPANY LT		3,756.85	
	89 JUN 28	060388	004780	BONDAR-CLEGG & COMPANY LT		991.25	
	89 JUL 04	060550	004780	BONDAR-CLEGG & COMPANY LT		189.00	
	89 JUL 21	061175	004780	BONDAR-CLEGG & COMPANY LT		117.25	
	89 JUN 22	060152	004780	BONDAR-CLEGG & COMPANY LT		243.00	
	89 JUL 14	060805	004786	BONDAR-CLEGG & COMPANY LT		1,452.80	
	89 JUL 13	060804	004786	BONDAR-CLEGG & COMPANY LT		381.25	
	89 JUL 10	060759	004786	BONDAR-CLEGG & COMPANY LT		229.50	
	89 JUL 13	060803	004786	BONDAR-CLEGG & COMPANY LT		178.50	
	89 JUL 20	061123	004786	BONDAR-CLEGG & COMPANY LT		39.00	
	89 JUL 10	029012	006513	NORTHERN ANALYTICAL LABOR		1,874.00	
	89 JUL 12	029001	004784	NORTHERN ANALYTICAL LABOR		4,090.00	
	89 JUL 30	029007	006511	NORTHERN ANALYTICAL LABOR		3,521.50	
				* TOTALS		20,867.95 *	20,867.95 *
029109 D				* BALANCE FORWARD			0.00
	89 JUL 04	007047	004801	DOMINION BLUEPRINT & REPR		80.80CR	
	89 JUL 04	067047	004801	DOMINION BLUEPRINT & REPR		80.80	
				* TOTALS		0.00 *	0.00 *
029110 GENERAL-GEOPHYSICS				* BALANCE FORWARD			24,359.73
	31 JUL 89	1-7-3	JE#22	GEOPHYSICAL CON. ACCRUAL	1	16,418.76	
				* TOTALS		16,418.76 *	40,778.49 *
029111 GENERAL-SUPPLY				* BALANCE FORWARD			13,507.19
	89 JUL 12	JULY89	006631	BRUCE McDONALD		4.36	
	89 JUN 24	JUNE89	006635	DOUG REDDY		43.06	
	89 MAY 10	5328-4	004063	CANADIAN FREIGHTWAYS LTD.		50.40	
	89 JUL 15	150789	006625	DOUG REDDY		60.04	
	89 JUN 12	009578	006534	TOTAL NORTH COMMUNICATION		308.50	
	89 JUL 04	001723	006502	YUKON SERVICE SUPPLY COMP		13.60	
	89 JUN 29	074161	006510	NEVILLE CROSBY INC.		187.72	
	89 JUL 20	6509MN	006509	PAULETTE FITZGERALD		190.99	
	89 JUN 22	073967	004063	NEVILLE CROSBY INC.		236.80CR	
	89 JUN 22	073967	004063	NEVILLE CROSBY INC.		236.80CR	
	89 JUN 22	003967	004063	KELLY, DOUGLAS & COMPANY,		236.80	
	89 JUL 17	035454	006622	YUKON OFFICE SUPPLIES		54.70	
	89 JUL 27	035664	006622	YUKON OFFICE SUPPLIES		275.00	
	31 JUL 89	1-7-2	JE#17	BAL. A/P CONTRL ACCOUNT	1	236.80	
	31 JUL 89	1-7-3	JE#26	CHQ#243 CORR. JE#9 JUNE	1	1,598.00	
				* TOTALS		2,786.37 *	16,293.56 *

GENERAL LEDGER ANALYSIS

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G/L ACCT	DATE	INVOICE	P.O.#	DESCRIPTION	I D	CURRENT MONTH	BALANCE YTD
029113 GENERAL-VEHICLES				• BALANCE FORWARD			13,774.95
	89 JUN 30	001772	004544	DAVE BUCK FORD SALES LTD.		996.46	
	89 JUL 12	JULY89	006631	BRUCE McDONALD		129.04	
	89 JUN 14	012094	006569	WHITEHORSE MOTORS LIMITED		38.19	
	89 JUN 02	011879	004792	WHITEHORSE MOTORS LIMITED		66.90	
	89 JUN 05	011910	004792	WHITEHORSE MOTORS LIMITED		634.40	
	89 JUN 29	290689	006588	NORTHLAND SERVICES		109.00	
	89 JUL 15	150789	006625	DOUG REDDY		10.00	
	31 JUL 89	1-7-1	251	DAVE BUCK FORD SALES	1	996.46	
	89 JUN 05	006208	004792	WHITEHORSE MOTORS LIMITED		8.35	
				• TOTALS		2,988.80 •	16,763.75 •
029115 GENERAL-FOOD & CAMP CHARGES				* BALANCE FORWARD			18,789.03

GENERAL-FOOD & CAMP CHARGES

DATE	ACCOUNT	DESCRIPTION	AMOUNT	BALANCE FORWARD
89 JUL 06	MN6503	006503 KELLY, DOUGLAS & COMPANY,	1,109.93	18,789.03
89 JUL 05	6539MN	006539 KELLY, DOUGLAS & COMPANY,	47.21	
89 JUL 13	6505MN	006505 KELLY, DOUGLAS & COMPANY,	955.87	
89 JUL 12	JULY89	006631 BRUCE McDONALD	79.05	
89 JUL 06	6504MN	006504 YUKON MEAT & SAUSAGE	1,180.50	
89 JUL 13	6506MN	006506 YUKON MEAT & SAUSAGE	856.17	
89 JUN 15	005203	004793 AQUA TECH SUPPLIES & SERV	206.00	
89 JUL 20	0657MN	006507 KELLY, DOUGLAS & COMPANY,	1,003.35	
89 JUL 20	006508	006508 YUKON MEAT & SAUSAGE	947.58	
89 JUL 04	001723	006502 YUKON SERVICE SUPPLY COMP	549.30	
31 JUL 89	1-7-1	252 GREY MNTN. HOLDINGS LTD. 1	400.00	
89 JUL 20	6509MN	006509 PAULETTE FITZGERALD	52.96	
89 JUL 24	006824	000000 KELLY, DOUGLAS & COMPANY,	5.40CR	
89 JUL 24	006979	006552 YUKON MEAT & SAUSAGE	60.90	
89 JUL 27	009077	006552 YUKON MEAT & SAUSAGE	639.69	
89 JUL 27	009078	006552 YUKON MEAT & SAUSAGE	74.89	
89 JUL 26	019825	006551 KELLY, DOUGLAS & COMPANY,	287.27	
89 JUL 26	019886	002551 KELLY, DOUGLAS & COMPANY,	61.02	
89 JUL 26	DY1985	006551 KELLY, DOUGLAS & COMPANY,	15.47	
89 JUL 27	013432	006551 KELLY, DOUGLAS & COMPANY,	246.99	
89 JUL 25	013328	006551 KELLY, DOUGLAS & COMPANY,	25.30	
89 JUL 27	009473	006551 KELLY, DOUGLAS & COMPANY,	143.80	
31 JUL 89	1-7-2	JE#19 TERL ROOM & BOARD 1	2,415.00CR ✓	
		* TOTALS	6,522.85 *	25,311.88 *

029116 GENERAL- ACCOMODATION

DESCRIPTION	AMOUNT	BALANCE FORWARD
* BALANCE FORWARD		3,175.31
* TOTALS	0.00 *	3,175.31 *

029117 GENERAL-TRAVEL

DESCRIPTION	AMOUNT	BALANCE FORWARD
* BALANCE FORWARD		11,405.06
* TOTALS	0.00 *	11,405.06 *

GENERAL LEDGER ANALYSIS

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PERIOD END: 31 JUL 89

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G/L ACCT	DATE	INVOICE	P.O.#	DESCRIPTION	I D	CURRENT MONTH	BALANCE YTD
029118 GENERAL-CONSULTANTS				* BALANCE FORWARD			12,177.35
	89 JUN 30	8908-3	000000	YUKON ENGINEERING SERVICE		2,989.85CR	
	89 JUL 10	2008.1	006633	THOMSON & ILES		7,832.50	
	89 JUL 25	8908-4	006624	YUKON ENGINEERING SERVICE		1,275.00	
				* TOTALS		6,117.65 *	18,295.00 *
029119 GENERAL-HELICOPTER				* BALANCE FORWARD			47,758.27
	89 JUN 26	079987	006634	TRANS NORTH AIR		1,000.50	
	31 JUL 89	1-7-3	JE#23	FRONTIER HELT.ACC.JUNE&JULY 1		117,327.33	
				* TOTALS		118,327.83 *	166,086.10 *
029125 GENERAL-D.DRILL(SFC)				* BALANCE FORWARD			77,536.20
	89 JUL 04	754994	006537	ICG LIQUID GAS LTD		146.00	
	89 JUL 12	JULY89	006631	BRUCE McDONALD		38.00	
	31 JUL 89	1-7-1	290	ADVANCED DRILLING LTD.	1	73,246.20	
	31 JUL 89	1-7-1	11	REV.GJ#18 JUNE ACCRUAL	1	30,891.94CR	
	31 JUL 89	1-7-1	12	REV.GJ#13 JUNE ACCRUALS	1	42,354.26CR	
	89 JUL 19	5040-3	006589	ADVANCE DRILLING LTD		38,975.08	
	89 JUL 24	250354	006563	ICG LIQUID GAS LTD		76.00	
	31 JUL 89	1-7-3	JE#21	ADVANCED DRILLING ACCRUED 1		35,351.85	
				* TOTALS		74,586.93 *	152,123.13 *
029127 GENERAL-ELECTRIC SUPPLY				* BALANCE FORWARD			3,831.50
	89 JUN 05	063057	006632	YUKON HONDA		19.80	
	89 JUL 04	524976	006538	WHITE PASS PETROLEUM SERV		110.32	
	31 JUL 89	1-7-1	292	INDUSTRIAL POWER RENTALS 1		1,200.00	
	89 JUN 05	006208	004792	WHITEHORSE MOTORS LIMITED		110.60	
				* TOTALS		1,440.72 *	5,272.22 *

028571 VEHICLE FUEL

89 JUN 30 300689 006166

• BALANCE FORWARD

398.00

NORTHLAND SERVICES

435.76

* TOTALS

435.76 *

833.76 *

Jun /89

029101 GENERAL-LABOUR

• BALANCE FORWARD

30,755.83

30 JUN 89 1-6-1 C8230

PAULETTE FITZGERALD 1

1,023.91

30 JUN 89 1-6-1 1

PAYROLL MS1 JUNE 1-15/89 1

16,244.76

30 JUN 89 1-6-1 2

PAYROLL MS1 JUNE 16-30/89 1

16,757.11

30 JUN 89 1-6-1 4

MSGHJV-PAYROLL JUNE/89 4 1

90.62

30 JUN 89 1-6-1 10

M.KENDALL RECLAS.TO TERL 1

275.86CR

30 JUN 89 1-6-2 16

INTER-CO.TERL VIA MSGMC 1

2,914.12CR

30 JUN 89 1-6-3 17

REV.PART OF GJM16 & GJM10 1

275.86

• TOTALS

31,202.28 •

61,958.11 *

029102 GENERAL-DRAFTING LABOUR-SUPPLY

* BALANCE FORWARD

7,234.75

89 JUN 30 005144 006547

INTEGRAPHICS

85.13

30 JUN 89 1-6-2 15

INTER-CO.TERL-DRAFTING 1

465.00

* TOTALS

550.13 *

7,784.88 *

029103 GENERAL-TRENCHING & ROADS

* BALANCE FORWARD

18,705.61

30 JUN 89 1-6-1 C8232

GORDON CLARK & ASSOCIATES 1

15,636.13

30 JUN 89 1-6-1 244

GORDON CLARK & ASSOCIATES 1

3,069.48

89 JUN 29 048350 004787

BEAVER LUMBER

1,888.40

30 JUN 89 1-6-1 5

REV.MAY ACRL-GORDON CLARK 1

15,636.13CR

30 JUN 89 1-6-1 8

REV.MAY MONTH END ACCRUAL 1

3,069.48CR

* TOTALS

1,888.40 *

20,594.01 *

029104 GENERAL-OFFICE-RENT-POWER

• BALANCE FORWARD

6,087.61

89 JUN 20 JUN650 006535

NORTHWESTEL

141.22

89 JUN 20 JUN968 006535

NORTHWESTEL

5.14

30 JUN 89 1-6-1 C8229

DANA COMMERCIAL CR.CANADA 1

226.08

30 JUN 89 1-6-1 247

DANA COMMERCIAL CR.CANADA 1

113.86

* TOTALS

486.30 *

6,573.91 *

029110 GENERAL-GEOPHYSICS

* BALANCE FORWARD

11,282.51

89 JUN 21 001377 006528

GEO-PHYSI-CON

13,059.37

89 JUN 30 005144 006547

INTEGRAPHICS

17.85

* TOTALS

13,077.22 *

24,359.73 *

PERIOD END: 30 JUN 89

G/L ACCT	DATE	INVOICE	P.O.#	DESCRIPTION	I D	CURRENT MONTH	BALANCE YTD
029111 GENERAL-SUPPLY				* BALANCE FORWARD			15,144.18
	89 JUN 28	280689	006529	JO-ANNE BLACK		17.98	
	89 JUN 17	170689	006524	DOUG REDDY		104.19	
	89 JUN 01	010689	006524	DOUG REDDY		50.26	
	89 JUN 03	EXPRPT	005886	RICK ZURAN		16.77	
	89 JUN 20	200689	006530	BRUCE McDONALD		207.02	
	89 MAY 19	025897	005992	PHOENIX BUSINESS SERVICES		275.00	
	89 JUN 15	025528	006526	REED STENHOUSE LTD.		1,014.00	
	89 JUN 12	059070	004781	YUKON BUILDING SUPPLIES L		62.80	
	30 JUN 89	1-6-1	237	YUKON HONDA	1	1,839.00	
	30 JUN 89	1-6-1	240	NORTHERN STORES INC.	1	78.65	
	30 JUN 89	1-6-1	245	DAY TIMERS OF CANADA	1	14.93	
	30 JUN 89	1-6-1	248	DOUG REDDY	1	2.39	
	30 JUN 89	1-6-1	249	DENECKI CORPORATION	1	1,180.00	
	30 JUN 89	1-6-1	250	HOUSE OF APPLIANCES	1	1,598.00	
	89 JUN 07	716855	004779	CANADIAN FREIGHTWAYS LTD.		53.30	
	89 JUN 08	690341	004063	CANADIAN FREIGHTWAYS LTD.		53.30	
	89 JUN 22	073967	004063	KELLY, DOUGLAS & COMPANY,		236.80CR	
	89 JUN 06	007333	004779	NEVILLE CROSBY INC.		684.70	
	89 JUN 14	009593	006565	TOTAL NORTH COMMUNICATION		800.00	
	89 JUN 29	035118	006545	YUKON OFFICE SUPPLIES		14.86	
	89 JUN 12	034765	006545	YUKON OFFICE SUPPLIES		6.75	
	30 JUN 89	1-6-1	8	REV.MAY MONTH END ACCRUAL	1	1,598.00CR	
	30 JUN 89	1-6-1	8	REV.MAY MONTH END ACCRUAL	1	2.39CR	
	30 JUN 89	1-6-1	8	REV.MAY MONTH END ACCRUAL	1	275.00CR	
	30 JUN 89	1-6-1	8	REV.MAY MONTH END ACCRUAL	1	16.77CR	
	30 JUN 89	1-6-1	8	REV.MAY MONTH END ACCRUAL	1	14.93CR	
	30 JUN 89	1-6-1	8	REV.MAY MONTH END ACCRUAL	1	1,839.00CR	
	30 JUN 89	1-6-1	8	REV.MAY MONTH END ACCRUAL	1	4,130.00CR *	
	30 JUN 89	1-6-1	9	VOID CR. HSE. OF APPLIANCE	1	1,598.00CR *	
				* TOTALS		1,636.99CR*	13,507.19 *
029113 GENERAL-VEHICLES				* BALANCE FORWARD			11,690.22
	89 JUN 03	EXPRPT	005886	RICK ZURAN		31.00	
	89 JUN 20	200689	006530	BRUCE McDONALD		173.68	
	89 JUN 01	856412	004789	WHITE PASS PETROLEUM SERV		1,898.05	
	30 JUN 89	1-6-1	242	DEBBIE JAMES	1	62.00	
	30 JUN 89	1-6-1	248	DOUG REDDY	1	322.78	
	89 JUN 27	028677	006527	NORTHERN METALIC SALES		13.00	
	30 JUN 89	1-6-1	8	REV.MAY MONTH END ACCRUAL	1	62.00CR	
	30 JUN 89	1-6-1	8	REV.MAY MONTH END ACCRUAL	1	322.78CR	
	30 JUN 89	1-6-1	8	REV.MAY MONTH END ACCRUAL	1	31.00CR	
				* TOTALS		2,084.73 *	13,774.95 *

PERIOD END: 30 JUN 89

G/L ACCT	DATE	INVOICE	P.O.#	DESCRIPTION	I D	CURRENT MONTH	BALANCE YTD
029115 GENERAL-FOOD & CAMP CHARGES				* BALANCE FORWARD			11,607.22
	89 JUN 14	008553	004770	YUKON MEAT & SAUSAGE		288.17	
	89 JUN 07	008470	004768	YUKON MEAT & SAUSAGE		582.74	
	89 JUN 07	008469	004768	YUKON MEAT & SAUSAGE		1,298.99	
	89 JUN 14	P04769	004769	KELLY, DOUGLAS & COMPANY,		490.37	
	89 JUN 07	P04767	004767	KELLY, DOUGLAS & COMPANY,		847.44	
	89 JUN 21	004772	004772	KELLY, DOUGLAS & COMPANY,		954.78	
	89 JUN 21	4773MS	004773	YUKON MEAT & SAUSAGE		1,136.16	
	89 JUN 29	004774	004774	KELLY, DOUGLAS & COMPANY,		1,207.99	
	89 JUN 09	001276	000000	KELLY, DOUGLAS & COMPANY,		160.76CR	
	89 JUN 09	001277	000000	KELLY, DOUGLAS & COMPANY,		48.47CR	
	89 JUN 29	290689	006501	YUKON MEAT & SAUSAGE		584.40	
				* TOTALS		7,181.81 *	18,789.03 *
029116 GENERAL-ACCOMODATION				* BALANCE FORWARD			941.74
	30 JUN 89	1-6-1	242	DEBBIE JAMES	1	165.10	
	30 JUN 89	1-6-1	248	DOUG REDDY	1	428.57	
	89 JUN 01	240589	006566	YUKON INN		314.35	
	89 JUN 01	150489	006566	YUKON INN		1,892.90	
	30 JUN 89	1-6-1	8	REV.MAY MONTH END ACCRUAL	1	138.78CR	
	30 JUN 89	1-6-1	8	REV.MAY MONTH END ACCRUAL	1	307.97CR	
	30 JUN 89	1-6-1	8	REV.MAY MONTH END ACCRUAL	1	120.60CR	
				* TOTALS		2,233.57 *	3,175.31 *
029117 GENERAL-TRAVEL				* BALANCE FORWARD			10,293.42
	89 JUN 28	280689	006529	JO-ANNE BLACK		78.00	
	89 MAY 27	270589	006523	WILL VANRANDEN		235.64	
	89 JUN 07	026493	004060	WHITEHORSE TRAVEL		798.00	
				* TOTALS		1,111.64 *	11,405.06 *
029118 GENERAL-CONSULTANTS				* BALANCE FORWARD			507.35
	89 JUN 09	8908-2	006568	YUKON ENGINEERING SERVICE		6,885.00	
	89 JUN 20	890803	006536	YUKON-ENGINEERING-SERVICE		4,785.00	
				* TOTALS		11,670.00 *	12,177.35 *
029119 GENERAL-HELICOPTER				* BALANCE FORWARD			8,733.08
	89 JUN 19	003789	006531	FRONTIER HELICOPTER LTD.		9,658.88	
	89 MAY 31	03736	006567	FRONTIER HELICOPTER LTD.		10,593.26	
	89 JUN 23	003803	006540	FRONTIER HELICOPTER LTD.		11,199.50	
	89 JUN 30	003843	006541	FRONTIER HELICOPTER LTD.		7,573.55	
				* TOTALS		39,025.19 *	47,758.27 *

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PERIOD END: 30 JUN 89

G/L ACCT	DATE	INVOICE	P.O.#	DESCRIPTION	I D	CURRENT MONTH	BALANCE YTD
029125 GENERAL-D.DRILL(SFC)				* BALANCE FORWARD			0.00
	89 JUN 01	856413	004789	WHITE PASS PETROLEUM SERV		4,290.00	
	30 JUN 89	1-6-2	13	JUNE MONTH-END ACCRUALS	1	42,354.26	
	30 JUN 89	1-6-4	18	JUNE DRILLING ACCRUAL	1	30,891.94	
				* TOTALS		77,536.20 *	77,536.20 *
029127 GENERAL-ELECTRIC SUPPLY				* BALANCE FORWARD			1,376.40

PERIOD END: 30 JUN 89

G/L ACCT	DATE	INVOICE	P.O.#	DESCRIPTION	I D	CURRENT MONTH	BALANCE YTD
029125 GENERAL-D.DRILL(SFC)				* BALANCE FORWARD			0.00
	89 JUN 01	856413	004789	WHITE PASS PETROLEUM SERV		4,290.00	
	30 JUN 89	1-6-2	13	JUNE MONTH END ACCRUALS	1	42,354.26	
	30 JUN 89	1-6-4	18	JUNE DRILLING ACCRUAL	1	30,891.94	
				* TOTALS		77,536.20 *	77,536.20 *
029127 GENERAL-ELECTRIC SUPPLY				* BALANCE FORWARD			1,376.40
	89 JUN 13	000560	006525	INDUSTRIAL ELECTRIC SERVI		1,235.10	
	30 JUN 89	1-6-1	234	INDUSTRIAL POWER RENTALS	1	1,200.00	
				* TOTALS		2,435.10 *	3,831.50
				* BALANCE END OF MONTH			4,500.00

				* TOTALS		0.00	* 375.00 *
029101	GENERAL-LABOUR			* BALANCE FORWARD			20,844.86
May /89	31 MAY 89	1-5-1	GJ#1	PAYROL MS1-MAY 1-15/89	1	3,768.68	
	31 MAY 89	1-5-1	GJ#2	PAYROLL MS1-MAY 16-31/89	1	6,036.04	
	31 MAY 89	1-5-1	GJ#4	MSGM.V-PAYROLL MAY/89	1	86.25	
					* TOTALS	9,910.97	* 30,751.83 *
029102	GENERAL-DRAFTING LABOUR-SUPPLY			* BALANCE FORWARD			5,344.73
	89 MAY 11	072523	004681	NEVILLE CROSBY INC.		35.92	
	89 MAY 31	04951	006373	INTEGRAPHICS		246.40	
	89 MAY 31	004950	006574	INTEGRAPHICS		80.00	
	89 MAY 12	060724	004630	DOMINION BLUEPRINT & REPR		323.20	
	89 MAY 16	061084	004682	DOMINION BLUEPRINT & REPR		20.20	
	89 MAY 05	039739	004679	DOMINION BLUEPRINT & REPR		261.80	
	3 MAY 89	1-5-4	13	INTER-CO. MSGMC-R.B/K.C	1	922.50	
				* TOTALS		1,890.02	* 7,234.73 *
029103	GENERAL-TRENCHING & ROADS			* BALANCE FORWARD			0.00
	31 MAY 89	1-5-4	11	MAY ACCRUAL-GORDON CLARK	1	15,636.13	
	31 MAY 89	1-5-4	14	MAY MONTH-END ACCRUALS	1	3,069.48	
				* TOTALS		18,705.61	* 18,705.61 *
029104	GENERAL-OFFICE-RENT-POWER			* BALANCE FORWARD			4,504.06
	31 MAY 89	1-5-2	00216	NORTHWESTEL	1	1,097.01	
	31 MAY 89	1-5-2	00226	NORTHWESTEL	1	475.12	
	89 MAY 23	840701	000000	NORTHWESTEL		5.71	
	89 MAY 23	850906	000000	NORTHWESTEL		5.71	
				* TOTALS		1,583.55	* 6,087.61 *
029110	GENERAL-GEOPHYSICS			* BALANCE FORWARD			11,282.51
				* TOTALS		0.00	* 11,282.51 *
029111	GENERAL-SUPPLY			* BALANCE FORWARD			2,909.74
	31 MAY 89	1-5-2	00214	BRUCE McDONALD	1	24.47	
	89 MAY 25	072930	004676	NEVILLE CROSBY INC.		33.50CR	
	89 MAY 31	073183	004063	NEVILLE CROSBY INC.		34.50CR	
	89 FEB 22	009242	004753	YUKON PHOTOCOPY LTD		26.00	
	89 APR 25	071943	004063	NEVILLE CROSBY INC.		1,750.70	
	89 APR 11	071600	004795	NEVILLE CROSBY INC.		492.06	
	89 MAY 29	000000	006570	BRUCE McDONALD		104.30	
	89 MAY 14	134340	004777	MIN-EN LABORATORIES		80.40	
	89 MAY 31	004952	006373	INTEGRAPHICS		54.75	
	89 MAY 23	056754	004764	YUKON BUILDING SUPPLIES L		623.80	
	89 MAY 26	024662	004791	CANSEL SURVEY EQUIPMENT		995.00	
	89 MAR 15	034138	006572	YUKON OFFICE SUPPLIES		19.50	
	89 MAY 18	034224	006572	YUKON OFFICE SUPPLIES		176.05	
	89 MAY 31	034500	006572	YUKON OFFICE SUPPLIES		79.32	

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*ACCT

DATE	INVOICE	P.O.#	DESCRIPTION	1 0	CURRENT MONTH	BALANCE YTD
31 MAY 89	1-5-4	14	MAY MONTH-END ACCRUALS	1	1,598.00	
31 MAY 89	1-5-4	14	MAY MONTH-END ACCRUALS	1	2.39	
31 MAY 89	1-5-4	14	MAY MONTH-END ACCRUALS	1	275.00	
31 MAY 89	1-5-4	14	MAY MONTH-END ACCRUALS	1	16.77	
31 MAY 89	1-5-4	14	MAY MONTH-END ACCRUALS	1	14.93	
31 MAY 89	1-5-4	14	MAY MONTH-END ACCRUALS	1	1,839.00	
31 MAY 89	1-5-4	14	MAY MONTH-END ACCRUALS	1	4,130.00	
			* TOTALS		12,234.44 *	13,144.18 *
029113	GENERAL-VEHICLES		* BALANCE FORWARD			7,063.08
31 MAY 89	1-5-2	C0214	BRUCE McDONALD	1	374.15	
31 MAY 89	1-5-2	C0227	DAVE BUCK FORD SALES	1	1,992.92	
89 MAY 08	011225	004068	WHITEHORSE MOTORS LIMITED		329.35	
89 MAY 08	011171	004068	WHITEHORSE MOTORS LIMITED		493.43	
89 MAY 08	011193	004068	WHITEHORSE MOTORS LIMITED		697.86	
89 MAY 29	000000	006570	BRUCE McDONALD		123.65	
31 MAY 89	1-5-4	14	MAY MONTH-END ACCRUALS	1	62.00	
31 MAY 89	1-5-4	14	MAY MONTH-END ACCRUALS	1	377.78	
31 MAY 89	1-5-4	14	MAY MONTH-END ACCRUALS	1	31.00	
			* TOTALS		4,627.14 *	11,690.22 *
029115	GENERAL-FOOD & CAMP CHARGES		* BALANCE FORWARD			0.00
31 MAY 89	1-5-2	C0223	GREY MTL. HOLDINGS LTD.	1	800.00	
89 MAY 29	000000	006570	BRUCE McDONALD		19.40	
89 MAY 30	000727	004765	KELLY, DOUGLAS & COMPANY,		6,361.62	
89 MAY 24	549246	006571	ICG LIQUID GAS LTD		515.20	
89 MAY 18	501061	004762	ICG LIQUID GAS LTD		2,229.60	
89 MAY 31	008439	004766	YUKON MEAT & SAUSAGE		239.33	
89 MAY 31	008438	004766	YUKON MEAT & SAUSAGE		1,020.34	
89 MAY 31	008467	004766	YUKON MEAT & SAUSAGE		401.73	
			* TOTALS		11,607.22 *	11,607.22 *
029116	GENERAL- ACCOMMODATION		* BALANCE FORWARD			374.39
31 MAY 89	1-5-4	14	MAY MONTH-END ACCRUALS	1	138.78	
31 MAY 89	1-5-4	14	MAY MONTH-END ACCRUALS	1	307.97	
31 MAY 89	1-5-4	14	MAY MONTH-END ACCRUALS	1	170.60	
			* TOTALS		567.35 *	941.74 *
029117	GENERAL-TRAVEL		* BALANCE FORWARD			3,923.53
31 MAY 89	1-5-2	C0214	BRUCE McDONALD	1	64.71	
31 MAY 89	1-5-2	C0215	BRUCE McDONALD	1	325.18	
31 MAY 89	1-5-2	C0224	WHITEHORSE TRAVEL	1	2,232.00	
89 MAY 29	26610	004071	WHITEHORSE TRAVEL		1,436.00	
89 MAY 29	026609	004071	WHITEHORSE TRAVEL		836.00	
89 MAY 29	026611	004071	WHITEHORSE TRAVEL		728.00	
89 APR 17	025608	004739	WHITEHORSE TRAVEL		728.00	
			* TOTALS		6,369.89 *	10,293.42 *

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PERIOD END: 31 MAY 89

G/L ACCT	DATE	INVOICE	P.O.#	--- DESCRIPTION ---	I D	CURRENT MONTH	BALANCE YTD
029118 GENERAL- CONSULTANTS				* BALANCE FORWARD			0.00
	89 MAY 15	890901	004073	YUKON ENGINEERING SERVICE		507.35	
				* TOTALS		507.35 *	507.35 *
029119 GENERAL-HELICOPTER				* BALANCE FORWARD			0.00
	89 MAY 26	003728	006575	FRONTIER HELICOPTER LTD.		6,611.60	
	89 MAY 12	003679	005991	FRONTIER HELICOPTER LTD.		2,121.48	
				* TOTALS		8,733.08 *	8,733.08 *
029127 GENERAL-ELECTRIC SUPPLY				* BALANCE FORWARD			0.00
	31 MAY 89	1-5-2	00220	IND. ELECTRIC SERVICES	1	1,200.00	
	89 MAY 31	023936	004790	WHITE PASS PETROLEUM SERV		176.40	
				* TOTALS		1,376.40 *	1,376.40 *

029101 GENERAL-LABOUR

* BALANCE FORWARD

14,866.40

Apr 89

30 APR 89 1-4-1 30
 30 APR 89 1-4-1 33
 30 APR 89 1-4-1 34

MSGMJV-PAY-APR.15/30-1989 1 85.00
 PAYROLL MS1 APR.1-15/89 1 2,058.23
 PAYROLL MS1 APR.16-20/89 1 3,835.23

* TOTALS 5,978.46 * 20,844.86 *

029102 GENERAL-DRAFTING LABOUR-SUPPLY

* BALANCE FORWARD

2,494.18

30 APR 89 1-4-1 41
 89 FEB 28 004534 004754
 89 FEB 28 004570 004754
 89 MAR 14 053445 004656
 89 FEB 28 004533 004755
 89 MAR 31 004730 004799
 89 APR 25 058332 004677
 89 APR 07 056309 004673
 89 APR 13 056984 004675
 89 APR 26 058427 004678

INTER-CO.MSGMC-R.B/K.C. 1 1,541.25
 INTEGRAPHICS 15.40
 INTEGRAPHICS 193.36
 DOMINION BLUEPRINT & REPR 50.25
 INTEGRAPHICS 9.14
 INTEGRAPHICS 67.50
 DOMINION BLUEPRINT & REPR 105.00
 DOMINION BLUEPRINT & REPR 168.25
 DOMINION BLUEPRINT & REPR 150.00
 DOMINION BLUEPRINT & REPR 550.40

* TOTALS 2,850.55 * 5,344.73 *

029104 GENERAL-OFFICE-RENT-POWER

* BALANCE FORWARD

2,828.53

30 APR 89 1-4-1 35
 89 MAR 01 000001 004756
 89 APR 20 8-3968 004065
 89 APR 20 8-5650 000000

APR.ACCRUAL-NORTHWESTEL 1 1,097.01
 DANA COMMERCIAL CREDIT CA 89.06
 NORTHWESTEL 147.47
 NORTHWESTEL 346.97

* TOTALS 1,680.51 * 4,504.06 *

029110 GENERAL-GEOPHYSICS

* BALANCE FORWARD

11,182.51

88 AUG 31 000ADD 004745

GEO-PHYSI-CON 100.00

* TOTALS 100.00 * 11,282.51 *

029111 GENERAL-SUPPLY

* BALANCE FORWARD

2,078.42

30 APR 89 1-4-2 44
 30 APR 89 1-4-2 45
 89 APR 26 00EXP. 004066
 88 JUN 11 006502 005970
 89 FEB 23 032424 004757
 89 MAR 07 032633 004761
 89 APR 24 033672 004067

APR.ACCRUAL P.BUTTE SALES 1 80.70
 APR.ACCRUAL DOUG REDDY 1 13.90
 BRUCE McDONALD 17.29
 TOTAL NORTH COMMUNICATION 162.50
 YUKON OFFICE SUPPLIES 45.00
 YUKON OFFICE SUPPLIES 275.00
 YUKON OFFICE SUPPLIES 236.93

* TOTALS 831.32 * 2,909.74 *

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0/L ACCT	DATE	INVOICE	P.O.#	DESCRIPTION	I D	CURRENT MONTH	BALANCE YTD
029113 GENERAL-VEHICLES				* BALANCE FORWARD			4,996.16
	30 APR 89	1-4-1	38	RECORD LEASE-SHAW UNITED	1	963.36	
	7 APR 89	1-4-1	CQ207	DAVE BUCK FORD SALES LTD.	1	996.46	
	30 APR 89	1-4-2	45	APR. ACCRUAL DOUG REDDY	1	83.95	
	89 APR 26	00EXP.	004066	BRUCE McDONALD		23.15	
				* TOTALS		2,066.92 *	7,068.09 *
029116 GENERAL- ACCOMODATION				* BALANCE FORWARD			0.00
	30 APR 89	1-4-2	45	APR. ACCRUAL DOUG REDDY	1	374.39	
				* TOTALS		374.39 *	374.39 *
029117 GENERAL-TRAVEL				* BALANCE FORWARD			2,176.60
	30 APR 89	1-4-2	45	APR. ACCRUAL DOUG REDDY	1	20.00	
	89 APR 26	00EXP.	004066	BRUCE McDONALD		816.89	
	89 FEB 16	023899	004742	WHITEHORSE TRAVEL		910.00	
				* TOTALS		1,746.89 *	3,923.53 *
029801 OFFICE SALARIES				* BALANCE FORWARD			3,540.00
	30 APR 89	1-4-1	26	INTER-CO. TEC-PHONE/WAGES	1	1,200.00	
				* TOTALS		1,200.00 *	4,740.00 *

				* TOTALS	0.00	* 378.00 *
029101	GENERAL-LABOUR			* BALANCE FORWARD		10,633.20
Mar /89	15 MAR 89	1-3-1	16	PAYROLL-MS1-MAR.15/89	1	2,058.23
	31 MAR 89	1-3-1	17	PAYROLL-MS1-MAR.31/89	1	2,058.23
	31 MAR 89	1-3-3	24	ADJ.PAYROLL CLEAR.ENTRIES	1	116.74
				* TOTALS	4,233.20	* 14,866.40 *
029102	GENERAL-DRAFTING LABOUR-SUPPLY			* BALANCE FORWARD		2,494.18
				* TOTALS	0.00	* 2,494.18 *
029104	GENERAL-OFFICE-RENT-POWER			• BALANCE FORWARD		2,423.55
	1 MAR 89	1-3-1	CQ168	GREY MOUNTAIN HOLDINGS	1	400.00
	6 MAR 89	1-3-1	CQ172	GREY MOUNTAIN HOLDINGS	1	400.00
	31 MAR 89	1-3-1	18	RECLASS.CQ#168-CORRECTION	1	400.00CR
				* TOTALS	400.00	* 2,823.55 *

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PERIOD END: 31 MAR 89

G/L ACCT	DATE	INVOICE	P.O.#	DESCRIPTION	I D	CURRENT MONTH	BALANCE YTD
029110 GENERAL-GEOPHYSICS				* BALANCE FORWARD			11,182.51
				* TOTALS		0.00 *	11,182.51 *
029111 GENERAL-SUPPLY				* BALANCE FORWARD			1,959.17
	31 MAR 89	1-3-1	5	INTERCO-TEC-COURIER CHGS	1	119.25	
				* TOTALS		119.25 *	2,078.42 *
029113 GENERAL-VEHICLES				* BALANCE FORWARD			4,344.55
	31 MAR 89	1-3-1	3	ADJ.ON F.ELFORD TRUCK EXP	1	311.75CR	
	31 MAR 89	1-3-1	12	RECORD LEASE SHAW UNITED	1	963.36	
				* TOTALS		651.61 *	4,996.16 *
029117 GENERAL-TRAVEL				* BALANCE FORWARD			2,176.64
				* TOTALS		0.00 *	2,176.64 *
029801 OFFICE SALARIES				* BALANCE FORWARD			2,340.00
	31 MAR 89	1-3-1	7	INTERCO-TEC-WAGE ALLOCATI	1	1,200.00	
				* TOTALS		1,200.00 *	3,540.00 *
029803 OFFICE SUPPLIES				* BALANCE FORWARD			247.69
	31 MAR 89	1-3-2	21	COURIER CHS'S RE:TEC	1	46.00	
	31 MAR 89	1-3-2	22	INTERCO-TEC-COURIER CHGS	1	61.50	
	31 MAR 89	1-3-2	23	TO RECORD TERL INTERCO.	1	80.75	
				* TOTALS		188.25 *	435.94 *
029804 AUDIT & LEGAL				* BALANCE FORWARD			7,020.00
	31 MAR 89	1-3-1	6	INTERCO-TEC-DAVIS & CO.	1	12,175.83	
	31 MAR 89	1-3-2	20	MSGHJV BANK ADJUSTMENTS	1	30.00	
				* TOTALS		12,205.83 *	19,225.83 *
029805 TELEPHONE				* BALANCE FORWARD			500.00
	31 MAR 89	1-3-1	8	INTERCO-TEC-B.C.TEL.CO.	1	250.00	
				* TOTALS		250.00 *	750.00 *
029813 TRAVEL				* BALANCE FORWARD			708.00
				* TOTALS		0.00 *	708.00 *
029819 AMORTIZATION				* BALANCE FORWARD			38,426.38
	31 MAR 89	1-3-1	1	SKUKUM MAR/89 AMORTIZATIO	1	19,213.19	
				* TOTALS		19,213.19 *	57,639.57 *
029820 DEPRECIATION				* BALANCE FORWARD			37,080.02
	31 MAR 89	1-3-1	1	SKUKUM MAR/89 AMORTIZATIO	1	18,540.01	
				* TOTALS		18,540.01 *	55,620.03 *

				* TOTALS	398.00 *	398.00 *
029101	GENERAL-LABOUR			* BALANCE FORWARD		6,516.74
	28 FEB 89	5-2-3	JE#11	HOURLY P/ROLL FEB 1-15/89 1	2,058.23	
Feb/89	28 FEB 89	5-2-3	JE#12	HOURLY PAYROLL FEB16-28 1	2,058.23	
				* TOTALS	4,116.46 *	10,633.20 *

PERIOD-END: 28 FEB 89

G/L ACCT	DATE	INVOICE	P.O.#	DESCRIPTION	I D	CURRENT MONTH	BALANCE YTD
029102 GENERAL-DRAFTING LABOUR-SUPPLY				* BALANCE FORWARD			2,494.18
				* TOTALS		0.00 *	2,494.18 *
029104 GENERAL-OFFICE-RENT-POWER				* BALANCE FORWARD			941.04
	89 FEB 25	850906	000000	NORTHWESTEL		5.71	
	89 FEB 25	840701	000000	NORTHWESTEL		8.06	
	89 FEB 20	140389	004758	NORTHWESTEL		832.13	
	89 FEB 01	FEB/89	000000	RICHARD BASNETT		89.06	
	89 FEB 28	280289	000000	ERICKSON GOLD MINING CORP		75.78	
	89 JAN 26	064111	000000	CANADIAN AIRLINES INTERNA		12.75	
	28 FEB 89	5-2-4	JE#1	MANUAL CHEQUES FOR FEB.	1	200.00	
	1 FEB 89	5-2-4	0	RENT (CODING JAN)	1	400.00	
	28 FEB 89	5-2-4		RENT FOR FEB	1	400.00	
	28 FEB 89	5-2-4	JE#6	DISTR.	1	540.98CR	
				* TOTALS		1,482.51 *	2,423.55 *
029110 GENERAL-GEOPHYSICS				* BALANCE FORWARD			11,182.51
				* TOTALS		0.00 *	11,182.51 *
029111 GENERAL-SUPPLY				* BALANCE FORWARD			1,365.34
	87 JUL 10	002131	004664	TOTAL NORTH COMMUNICATION		35.00	
	28 FEB 89	5-2-3	JE#13	INTER CO TERL	1	114.50	
	28 FEB 89	5-2-4	JE#1	MANUAL CHEQUES FOR FEB.	1	418.00	
	28 FEB 89	5-2-4	JE#1	MANUAL CHEQUES FOR FEB.	1	26.33	
				* TOTALS		593.83 *	1,959.17 *
029113 GENERAL-VEHICLES				* BALANCE FORWARD			2,984.59
	89 FEB 28	000001	004663	FRANK C. ELFORD		311.75	
	28 FEB 89	5-2-2	JE#6	LEASE PAYMTS. SHAW UNITED	1	963.36	
	28 FEB 89	5-2-4	JE#1	MANUAL CHEQUES FOR FEB.	1	84.85	
				* TOTALS		1,359.96 *	4,344.55 *
029115 GENERAL-FOOD & CAMP CHARGES				* BALANCE FORWARD			400.00
	1 FEB 89	5-2-4	0	RENT (CODING JAN)	1	400.00CR	
				* TOTALS		400.00CR*	0.00 *
029117 GENERAL-TRAVEL				* BALANCE FORWARD			853.29
	89 FEB 01	FEB/89	000000	RICHARD BASNETT		387.41	
	28 FEB 89	5-2-4	JE#1	MANUAL CHEQUES FOR FEB.	1	390.64	
	28 FEB 89	5-2-4	JE#1	MANUAL CHEQUES FOR FEB.	1	545.30	
				* TOTALS		1,323.35 *	2,176.64 *

029101	GENERAL-LABOUR				* BALANCE FORWARD		0.00
	31 JAN 89	5-1-6	3		REC MS1 HRLY P/R JAN 1-15	1	4,078.74
	31 JAN 89	5-1-3	4		MS1 HRLY P/R JAN.16-31/89	1	2,204.57
JAN/89	31 JAN 89	5-1-4			DISTRIBUTABLES	1	233.43
					* TOTALS		6,516.74 * 6,516.74 *
029102	GENERAL-DRAFTING LABOUR-SUPPLY				* BALANCE FORWARD		0.00
	88 DEC 30	004255	004725		INTEGRAPHICS		1,191.00
	88 DEC 30	004295	004725		INTEGRAPHICS		630.00
	88 DEC 31	000000	000000		ERICKSON GOLD MINING CORP		260.00
	88 OCT 01	000001	000000		ERICKSON GOLD MINING CORP		120.00
	89 JAN 31	004395	004743		INTEGRAPHICS		2.08
	31 JAN 89	5-1-4			ACT. FILM DOM. BLUEPRINT	1	291.10
					* TOTALS		2,494.18 * 2,494.18 *
029104	GENERAL-OFFICE-RENT-POWER				* BALANCE FORWARD		0.00
	89 JAN 20	000001	000000		NORTHWESTEL		585.30
	89 JAN 20	000002	000000		NORTHWESTEL		69.74
	89 JAN 27	056586	004800		YUKON PHOTOCOPY LTD		286.00
					* TOTALS		941.04 * 941.04 *
029109	D				* BALANCE FORWARD		0.00
	89 JAN 13	063353	004655		ACTION FILM SERVICES LTD.		15.90
	89 JAN 13	063200	004655		ACTION FILM SERVICES LTD.		296.79
	88 DEC 16	044063	004654		DOMINION BLUEPRINT & REPR		68.50
	31 JAN 89	5-1-4			ACT. FILM DOM. BLUEPRINT	1	291.10CR
					* TOTALS		0.00 * 0.00 *

PERIOD END: 31 JAN 89

G/L					I	CURRENT	BALANCE
ACCT	DATE	INVOICE	P.O.#	--- DESCRIPTION ---	D	MONTH	YTD
029110	GENERAL-GEOPHYSICS			* BALANCE FORWARD			0.00
	88 AUG 31	001227	004743	GEO-PHYSI-CON		10,532.19	
	88 AUG 31	001233	004745	GEO-PHYSI-CON		650.32	
				* TOTALS		11,182.51 *	11,182.51 *
029111	GENERAL-SUPPLY			* BALANCE FORWARD			0.00
	88 NOV 24	001615	004741	SPEEDY DELIVERY AND EXPD		10.00	
	89 JAN 05	002008	004740	SPEEDY DELIVERY AND EXPD		10.00	
	89 JAN 13	000000	004747	MASH CONSTRUCTION LTD.		465.00	
	89 JAN 16	007773	004735	TUNDRA GRAPHICS & SILKSCR		198.80	
	89 JAN 18	018410	004746	WOODBINE MARKETING CORP		139.83	
	31 JAN 89	5-1-1	7	MANUAL CHEQUES JAN/89	1	500.00	
	89 JAN 10	031442	004750	YUKON OFFICE SUPPLIES		41.71	
				* TOTALS		1,365.34 *	1,365.34 *
029113	GENERAL-VEHICLES			* BALANCE FORWARD			0.00
	88 DEC 31	311288	000000	DAVE BUCK FORD SALES LTD.		996.46	
	88 JUL 07	402917	000000	WHITE PASS PETROLEUM SERV		496.00	
	88 JUL 04	402881	000000	WHITE PASS PETROLEUM SERV		41.00	
	88 SEP 30	300938	000000	WHITE PASS PETROLEUM SERV		1,018.60	
	88 SEP 02	404819	000000	WHITE PASS PETROLEUM SERV		26.98	
	31 JAN 89	5-1-2	2	LSE PMT SHAW JAN-APR/89	1	963.36	
	89 JAN 01	310189	004543	DAVE BUCK FORD SALES LTD.		1,016.39	
	89 JAN 09	027870	004738	WHITEHORSE MOTORS LIMITED		241.33	
	89 JAN 09	027871	004738	WHITEHORSE MOTORS LIMITED		221.67	
				* TOTALS		2,984.59 *	2,984.59 *
029115	GENERAL-FOOD & CAMP CHARGES			* BALANCE FORWARD			0.00
	89 JAN 01	000FEB	004674	GREY MOUNTAIN HOLDINGS LT		400.00	
				* TOTALS		400.00 *	400.00 *
029117	GENERAL-TRAVEL			* BALANCE FORWARD			0.00
	88 DEC 30	004744	004744	RICHARD HASLINGER		266.29	
	31 JAN 89	5-1-1	7	MANUAL CHEQUES JAN/89	1	587.00	
				* TOTALS		853.29 *	853.29 *
029803	OFFICE SUPPLIES			* BALANCE FORWARD			0.00

**APPENDIX C: HLEM and Total Field Magnetometer
Instrumentation**

APEX

MAXMIN I PORTABLE EM

The MaxMin I ground EM System is designed for mineral and water exploration and for geoengineering applications. It is an expansion of the highly popular MaxMin II and III EM System concepts. The frequency range is extended to seven octaves from four. The ranges and numbers of coil separations are increased and new operating modes are added. The receiver can also be used independently for measurements with powerline sources. The advanced spheric and powerline noise rejection is further improved, resulting in faster and more accurate surveys, particularly at larger coil separations. Several receivers may be operated along a single reference cable.

Mating plug in data acquisition computer and cassette unit are available for use with the MaxMin I for automatic digital data acquisition and processing. These units are covered in separate data sheet.



MAXMIN I SPECIFICATIONS:

Frequencies:	110, 220, 440, 880, 1760, 3520, 7040 and 14080 Hz, plus 50/60 Hz powerline frequency (receiver only).	Signal filtering:	Powerline comb filter, continuous spherics noise clipping, autoadjusting time constant and other filtering.
Modes:	MAX 1: Horizontal loop mode (Transmitter and receiver coil planes horizontal and coplanar). MAX 2: Vertical coplanar loop mode (Transmitter and receiver coil planes vertical and coplanar). MAX 3: Vertical coaxial loop mode (Transmitter and receiver coil planes vertical and coaxial). MIN 1: Perpendicular loop mode 1 (Transmitter coil plane horizontal and receiver coil plane vertical). MIN 2: Perpendicular loop mode 2 (Transmitter coil plane vertical and receiver coil plane horizontal).	Warning lights:	Receiver signal and reference warning lights to indicate potential errors.
		Survey depth:	From surface down to 1.5 times coil separation used.
		Transmitter dipole moments:	110 Hz: 220 Atm ² 1760 Hz: 160 Atm ² 220 Hz: 215 Atm ² 3520 Hz: 80 Atm ² 440 Hz: 210 Atm ² 7040 Hz: 40 Atm ² 880 Hz: 200 Atm ² 14080 Hz: 20 Atm ²
		Reference cable:	Light weight unshielded 4/2 conductor teflon cable for maximum temperature range and for minimum friction. Please specify cable lengths required.
		Intercom:	Voice communication link provided for operators via the reference cable.
Coil separations:	12.5, 25, 50, 75, 100, 125, 150, 200, 250, 300, & 400 metres (standard). 10, 20, 40, 60, 80, 100, 120, 160, 200, 240 & 320 metres (selected with grid switch inside of receiver). 50, 100, 200, 300, 400, 500, 600, 800, 1000, 1200 & 1600 feet (selected with grid switch inside of receiver).	Receiver power supply:	Four standard 9V batteries (0.5Ah, alkaline). Life 30 hrs continuous duty, less in cold weather. Rechargeable battery and charger option available.
		Transmitter power supply:	Rechargeable sealed gel type lead acid 12V-13Ah batteries (4x6V-6 1/2 Ah) in canvas belt. Optional 12V-8Ah light duty belt pack available.
Parameters measured:	In-Phase and quadrature components of the secondary magnetic field, in % of primary (transmitted) field. Field amplitude and/or tilt of 50/60 Hz powerline field.	Transmitter battery charger:	For 110-120/220-240VAC, 50/60/400 Hz and 12-15VDC supply operation, automatic float charge mode, three charge status indicator lights. Output 14.4V-1.25A nom.
		Operating temp:	-40 to +60 deg.C.
Readouts:	Analog direct readouts on edgewise panel meters for in-phase, quadrature and tilt, and for 50/60Hz amplitude. (Additional digital LED readouts when using the DAC, for which interfacing and controls are provided for plug-in).	Receiver weight:	8 kg, including the two integral ferrite cored antennas (9 kg with data acq. comp.)
		Transmitter weight:	16 kg with standard 12V-13Ah battery pack. 14 kg with light duty 12V-8Ah pack.
Ranges of readouts:	Analog in-phase and quadrature scales: 0±4%, 0±20%, 0±100%, switch activated. Analog tilt scale: 0±75% grade. (Digital in-phase and quad. 0±102.4%).	Shipping weight:	59 kg plus weight of reference cables at 2.5 kg per 100 metres plus other optional items if any.
Readability:	Analog in-phase and quadrature 0.05% to 0.5%, analog tilt 1% grade. (Digital in-phase and quadrature 0.1%).	Standard spares:	One spare transmitter battery pack, one spare transmitter battery charger, two spare transmitter retractile connecting cords, one spare set receiver batteries.
Repeatability:	±0.05% to ±1% normally, depending on frequency, coil separation & conditions.		

Specifications subject to change without notification.

Specifications subject to change without notification.

APEX PARAMETRICS LIMITED

P.O. Box 818, Uxbridge
Ontario, Canada L0C 1K0

Telephones: 416-640-6102
416-852-5875

Cables: APEXPARA TORONTO

Telex: 06-966625 APEXPARA UXB

OMNI IV "Tie-Line" Magnetometer

EDA



- Four Magnetometers in One
- Self Correcting for Diurnal Variations
- Reduced Instrumentation Requirements
- 25% Weight Reduction
- User Friendly Keypad Operation
- Universal Computer Interface
- Comprehensive Software Packages



Specifications

Dynamic Range	18,000 to 110,000 gammas. Roll-over display feature suppresses first significant digit upon exceeding 100,000 gammas.
Tuning Method	Tuning value is calculated accurately utilizing a specially developed tuning algorithm
Automatic Fine Tuning	$\pm 15\%$ relative to ambient field strength of last stored value
Display Resolution	0.1 gamma
Processing Sensitivity	± 0.02 gamma
Statistical Error Resolution	0.01 gamma
Absolute Accuracy	± 1 gamma at 50,000 gammas at 23°C ± 2 gamma over total temperature range
Standard Memory Capacity	
Total Field or Gradient	1,200 data blocks or sets of readings
Tie-Line Points	100 data blocks or sets of readings
Base Station	5,000 data blocks or sets of readings
Display	Custom-designed, ruggedized liquid crystal display with an operating temperature range from -40°C to $+55^{\circ}\text{C}$. The display contains six numeric digits, decimal point, battery status monitor, signal decay rate and signal amplitude monitor and function descriptors.
RS 232 Serial I/O Interface	2400 baud, 8 data bits, 2 stop bits, no parity
Gradient Tolerance	6,000 gammas per meter (field proven)
Test Mode	A. Diagnostic testing (data and programmable memory) B. Self Test (hardware)
Sensor	Optimized miniature design. Magnetic cleanliness is consistent with the specified absolute accuracy.
Gradient Sensors	0.5 meter sensor separation (standard), normalized to gammas/meter. Optional 1.0 meter sensor separation available. Horizontal sensors optional.
Sensor Cable	Remains flexible in temperature range specified, includes strain-relief connector
Cycling Time (Base Station Mode)	Programmable from 5 seconds up to 60 minutes in 1 second increments
Operating Environmental Range	-40°C to $+55^{\circ}\text{C}$; 0–100% relative humidity; weatherproof
Power Supply	Non-magnetic rechargeable sealed lead-acid battery cartridge or belt; rechargeable NiCad or Disposable battery cartridge or belt; or 12V DC power source option for base station operation.
Battery Cartridge/Belt Life	2,000 to 5,000 readings, for sealed lead acid power supply, depending upon ambient temperature and rate of readings
Weights and Dimensions	
Instrument Console Only	2.8 kg, 238 x 150 x 250mm
NiCad or Alkaline Battery Cartridge	1.2 kg, 235 x 105 x 90mm
NiCad or Alkaline Battery Belt	1.2 kg, 540 x 100 x 40mm
Lead-Acid Battery Cartridge	1.8 kg, 235 x 105 x 90mm
Lead-Acid Battery Belt	1.8 kg, 540 x 100 x 40mm
Sensor	1.2 kg, 56mm diameter x 200mm
Gradient Sensor (0.5 m separation - standard)	2.1 kg, 56mm diameter x 790mm
Gradient Sensor (1.0 m separation - optional)	2.2 kg, 56mm diameter x 1300mm
Standard System Complement	Instrument console; sensor; 3-meter cable, aluminum sectional sensor staff, power supply, harness assembly, operations manual.
Base Station Option	Standard system plus 30 meter cable
Gradiometer Option	Standard system plus 0.5 meter sensor

EDA Instruments Inc.
4 Thorncliffe Park Drive
Toronto, Ontario
Canada M4H 1H1
Telex: 06 23222 EDA TOR
Cable: Instruments Toronto
(416) 425 7800

In U.S.A.
EDA Instruments Inc.
5151 Ward Road
Wheat Ridge, Colorado
U.S.A. 80033
(303) 422 9112

Data Output Options

The OMNI IV universal communications interface enables the user to output and analyze data through a number of options and formats.

Any Computer with RS 232C

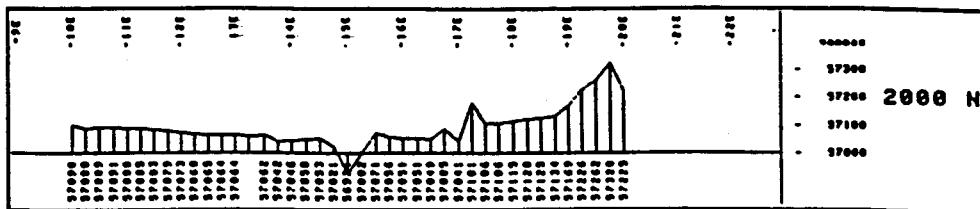
The OMNI IV can transfer uncorrected or corrected field data into any computer with an RS 232C port through the EDA universal communications interface. Computers with collection packages including either "X-ON, X-OFF" or "ENQ/ACK" communication protocol formats are also compatible.

Data transfer from the field to the office is also possible through the use of an optional modem interface.

Comprehensive Software Packages

Once the OMNI IV data has been transferred to a microcomputer, it can be further analyzed through a number of available software packages:

1. a CP/M software package adaptable to many microcomputers such as the IBM PC, APPLE, KAYPRO, TRS, OSBORNE, etc... This package enables the user to edit the data, obtain true line profiles and create plot files.
 2. The above CP/M software package is also available plus the added capability of merging the base station data of GEOMETRICS G856 with the OMNI IV to calculate diurnal variations. This enables users to increase the flexibility of their existing magnetometers.
 3. An HP 85 software package that edits the OMNI IV data, provides true line profiles and creates plot files. The package also permits the use of the G856 together with the OMNI IV to calculate for diurnal variations.
- A Fast Fourier Transform program is available where space or time domain data is transformed to the frequency domain. From the examination of a power spectrum, filters may be customized to each data set.



Line Profile From HP-85

5. A Frequency Domain Filter program is also available. The multi pass filter program allows user control of the turn on/off frequencies and filter decay rates. These filters are useful for performing regional/residual separation or filtering of noise from data.
6. The Upward-Downward Continuation program computes a 2-dimensional upward or downward continuation transfer function and applies the operator to the input array in the wave-number domain.
7. A Micro-to-Mainframe Computer program enables the user to transfer the data from his field computer to a main frame where additional computation will be done.

Profile Plot Outputs

The OMNI IV can plot data as a profile through a printer. The operator can:

- select and program any gamma scale best suited for data presentation
- output the digital or plot formats simultaneously or separately
- choose a 40, 80, or 132 character printer paper width
- plot both the gradient and corrected total field data simultaneously
- transfer data plots to a printer as it is being stored in memory. This is ideal in base station applications.

Many Digital Recorder Options

The OMNI IV is compatible with many digital recorders with serial interface, such as MFE 2500, through its communications interface.

EDA's digital recorder, the DCU-200, can store 21,000 readings and has a "read-after-write" capability.

Variety of Printer Options

The OMNI IV can transfer data into any printer with a standard parallel (Centronics) interface, such as the Epson printer, through its communications interface.

The OMNI IV data can also be transmitted through two EDA printers:

- the DCU-040, which is a small 40 character AC only thermal printer.
- the DCU-400, which is a ruggedized 40 character thermal printer that is used either with its internal rechargeable batteries, a 12 volt DC power supply option or an AC power source.

With the external 12 volt DC power supply option linked directly to the DCU-400, data transfer and charging of internal batteries can be done simultaneously. There is now no dependence on a generator or AC power source for data transfer or battery charging. This is ideal where AC power is not available or where a back-up power source is required.

Data Output Capabilities

The OMNI IV outputs data in a choice of formats, depending upon the operating mode:

- corrected total field data
- uncorrected total field data
- base station data
- gradient field data
- corrected tie-line data
- tie-line data

Grid co-ordinates of the data can be output with their designated compass bearing, using N, S, E, W descriptors.

Direction of travel along each grid line is programmable and will be reflected with or without a minus sign (-). i.e. travelling south or west is negative (-), travelling north or east is positive.

OMNI IV "Tie-Line" Magnetometer

4. As a True Gradiometer...

The OMNI IV provides the operator with an accurate means of measuring both the total field and the gradient of the total field.

It reads and stores the measurements of both sensors simultaneously to calculate the true gradient measurement. The standard 0.5 meter gradient sensor staff, shown here, is made possible by this simultaneous measurement.



Features

The OMNI IV in the gradient mode provides:

- A visual readout and storage of the following information in an absolutely secure memory:
 - the gradient of the total field
 - the total magnetic field
 - the magnitude of upper sensor
 - the time of measurement
 - the grid co-ordinates where the measurement is taken
 - the statistical error of total field reading of lower gradient sensor
 - the signal strength and decay rate measurement of lower gradient sensor
 - A simultaneous, not sequential, measurement of both sensors
 - A choice of sensor lengths and configurations:
 - standard 0.5 meter sensor separation mounted on staff
 - optional one meter sensor separation mounted on staff
 - optional horizontal gradient sensors
- The staff length can be adjusted to achieve desired height of sensors from the ground.
- A choice of three data storage modes:
 - spot record, for readings without grid co-ordinates
 - multi-record, for many readings at one station
 - auto record, for automatic update of station number.

Key Benefits

Reads Both Sensors Simultaneously

The OMNI IV reads both sensors simultaneously and not sequentially. This type of measurement removes the effect of diurnal variations and magnetic storm interferences from the data. This is a true gradient measurement.

Improved Productivity

The need to take only one simultaneous gradient measurement instead of two sequential measurements cuts reading time substantially.

Improved Data During Magnetic Storms

Gradient surveys can be conducted during magnetic storms resulting in no lost survey time. This is another benefit of the simultaneous measurement of both sensors.

No Diurnal Corrections of the Gradient Required

The effect of diurnal magnetic variations on the gradient measurement is cancelled due to this simultaneous measuring technique. The total field measurement of the top sensor can be self-corrected by the OMNI IV when used with the "tie-line" mode or with another OMNI IV in the base station mode.

Better Resolution of Total Field Anomalies

The OMNI IV in the gradient mode more sharply defines the magnetic responses determined by total field data. Closely spaced anomalies are individually delineated rather than being identified collectively under one broad magnetic response.

Direct Delineation of Vertical Contacts

The OMNI IV is an ideal contact mapping tool especially in vertical to near-vertical contact or fault zones. These vertical contacts are expressed at the zero line of gradient contour or profile values. Vertical dyke-like bodies can also be mapped effectively.

Enhances Near-Surface Anomalies

Shallow, near-surface sources (higher frequency anomalies) are emphasized relative to deeper responses (lower frequency anomalies). This can provide an on-the-spot approximation of the depth of the anomalous source.

Automatically Removes Regional Gradient

The gradient measurements ability to differentiate between higher and lower frequency responses effectively removes background regional gradients from anomalous residual responses.

Gradient and Total Field Readings Stored Simultaneously

Data is enhanced by the ability of the OMNI IV to simultaneously record in memory both the gradient and total field measurements as well as the statistical error. Both types of data offer a unique alternative in the interpretation of magnetic field data i.e. gradient vector diagrams, dip and strike length of body, etc.

Gradient-Base Station Operation

The OMNI IV can cycle automatically every 5 seconds in the gradient mode. This option can be used in stationary or mobile applications.

Adjustable Sensor Heights

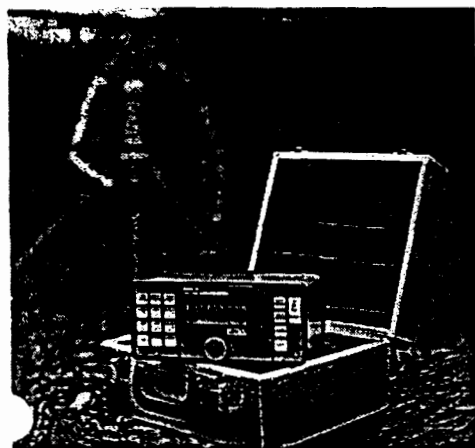
The OMNI IV gradient sensor is mounted onto a sectional aluminum staff in which sections can be added or subtracted. This enables the operator to adapt the OMNI IV to local ground noise conditions, terrain effects and survey logistics. In doing so, near surface effects can be selectively emphasized or diminished depending upon the survey target.

Choice of Sensor Separation

The use of the 0.5 meter standard and / or 1.0 meter optional sensor separation provides unique interpretative information especially useful in near surface anomalous conditions i.e. determining if the field has curvature or is linear.

3. As a Base Station Magnetometer...

The OMNI IV in the base station mode effectively measures and stores in its memory the daily fluctuations of the earth's magnetic field. The OMNI IV will automatically correct total field data of other OMNI IV or OMNIMAG Series units in just a few minutes.



Features

The OMNI IV in the base station mode can:

- Automatically correct magnetic field data for both diurnal variations and reference field values.
- Record the magnetic field activity in the following format:
 - time of measurement
 - magnitude of total field
 - difference from the reference field value
 - difference from the previous reading
 - sequential record number

- Store up to 5,000 sets of readings, the equivalent to approximately 14 hours of continuous unattended monitoring at a 10 second sampling interval. Cycling time between 5 seconds and 60 minutes in 1 second increments can be programmed by the operator.
- Simultaneously outputs data in a digital or ASCII format to a choice of data collection units at the same time as it is being stored in memory.

Key Benefits

Automatic Diurnal Corrections

The OMNI IV in the base station mode will automatically correct total field data stored in:

- another OMNI IV, used as a field magnetometer or as a gradiometer
 - a PPM-350 Total Field Magnetometer
 - a PPM-375 Portable/Base Station
 - a PPM-500 Vertical Gradiometer
- This is ideal where close, detailed monitoring of the earth's magnetic field is required.

Programmable Reference Field

The reference field can be programmed by the operator. The OMNI IV then calculates automatically the drift in the magnetic field for every reading. If at the end of the first survey day the proper reference field has not been entered, the operator can re-select a new one and the drift can be automatically re-calculated.

Automatic Drift Calculation

The OMNI IV calculates automatically the difference between each reading and its programmed reference field. This can be presented in either digital and/or profile plot format. It can also be simultaneously output to a compatible printer for visual verification of the field's activity.

Calculates Differential Field Variations

The OMNI IV also calculates to 0.1 gamma, the difference between the current reading and the previous one. This assists the operator in ascertaining the degree of activity that is occurring i.e. magnetic storm or active conditions.

Programmable Cycling Interval

The OMNI IV can be programmed to cycle at any interval, in one second increments, from 5 seconds to 60 minutes.

Other Benefits

- Stores & Prints Data Simultaneously

The OMNI IV can record and print out data simultaneously. Data is retained in memory.

- Internal Real Time Clock

Real time clocks can be synchronized to the nearest second when using the OMNI IV with any other OMNI IV or OMNIMAG Unit.

```
EDA OMNI IV "Tie-line" Mag Ser #14015
TOTAL FIELD DATA (uncorrected)
Date: 4 AUG 83
Operator: 5012
Datum Subtracted: 0.0
Bat: 15.6 Volt Lithium Bat: 3.3 Volt
Last time update: 1 AUG 83 15:22:00
Start of print: 4 AUG 83 18:29:43

LINE 54+00 N DATE 4 AUG 83 #1
POSITION FIELD ERR DRIFT TIME DS
31+00 E 57508.4 .10 0.0 15:00:35 88
31+50 E 57504.3 .08 0.0 15:00:43 88
32+00 E 57505.0 .08 0.0 15:00:47 88
32+50 E 57501.9 .10 0.0 15:00:51 88
33+00 E 57504.1 .08 0.0 15:00:56 88
33+50 E 57503.1 .07 0.0 15:01:00 88
34+00 E 57511.1 .07 0.0 15:01:05 88
34+50 E 57514.9 .09 0.0 15:01:09 88
35+00 E 57511.1 .08 0.0 15:01:17 88
```

Total Field Data (Uncorrected)

```
EDA OMNI IV "Tie-line" Mag Ser #31005
BASE STATION DATA
Date: 4 AUG 83
Operator: 4007
Reference Field: 57500.0
Line 20+00 N Position 30+25 E
Bat: 12.1 Volt Lithium Bat: 3.2 Volt
Last time update: 1 AUG 83 15:22:00
Start of print: 4 AUG 83 18:59:53

TIME FIELD CHANGE DRIFT RECORD
15:00:33 57517.8 0.4 17.8 1
15:00:38 57508.6 -9.2 8.6 2
15:00:43 57511.7 3.1 11.7 3
15:00:48 57510.5 -1.2 10.5 4
15:00:53 57518.0 7.5 18.0 5
15:00:58 57525.9 7.9 25.9 6
15:01:02 57514.9 -11.1 14.9 7
15:01:08 57508.4 -6.4 8.4 8
15:01:13 57512.9 4.5 12.9 9
15:01:18 57512.7 -0.2 12.7 10
```

Base Station Data

```
EDA OMNI IV "Tie-line" Mag Ser #14015
TOTAL FIELD DATA (base stn. corrected)
Date: 4 AUG 83
Operator: 5012
Datum Subtracted: 57000.0
Bat: 15.6 Volt Lithium Bat: 3.3 Volt
Last time update: 1 AUG 83 15:22:00
Start of print: 4 AUG 83 18:39:53

BASE STATION Ser #31005
Date: 4 AUG 83
Operator: 5012
Reference Field: 57500.0
Line 20+00 N Position 30+25 E
Bat: 12.1 Volt Lithium Bat: 3.2 Volt
Last time update: 1 AUG 83 15:22:00
Start of print: 4 AUG 83 18:39:53

LINE 54+00 N DATE 4 AUG 83 #1
POSITION FIELD ERR DRIFT TIME DS
31+00 E 494.3 .10 14.1 15:00:35 88
31+50 E 494.6 .08 11.7 15:00:43 88
32+00 E 494.3 .08 10.7 15:00:47 88
32+50 E 486.9 .10 15.0 15:00:51 88
33+00 E 481.4 .08 22.7 15:00:56 88
33+50 E 481.6 .07 21.5 15:01:00 88
34+00 E 498.9 .07 12.2 15:01:05 88
34+50 E 505.6 .09 9.3 15:01:09 88
35+00 E 498.4 .08 12.7 15:01:17 88
```

Corrected Total Field Data

OMNI IV "Tie-Line" Magnetometer

2. As a Portable Field Unit...

The OMNI IV is a portable proton precession magnetometer that measures and stores in memory the earth's magnetic field at the touch of a key. It identifies and stores the location, time of each measurement, computes the statistical error of the reading and stores the decay and strength of the signal being measured.



Features

- Packaged in a compact, lightweight and rugged housing, the OMNI IV measures and stores the following set of information:
 - total field magnitude
 - time of measurement
 - grid co-ordinates
 - direction of travel
 - statistical error of readings
 - signal strength and rate of decay
- Users have a choice of three data storage modes:
 - spot record
 - multi record
 - auto record
- Data stored in memory is completely protected by a lithium battery.
- Each reading is automatically assigned a record number which can also be used to identify readings measured off the grid.
- More than one reading can be taken at one point without updating the current station number.
- Characters shown on the LCD display are highly visible.

Key Benefits

Increased Productivity

Survey productivity is significantly increased with the OMNI IV because:

- a measurement can be read and stored in only 3 seconds.
- data is highly repeatable. A second measurement is usually not required.
- the statistical error is calculated for each measurement providing an indication of whether an additional reading may be required.
- the OMNI IV is up to 25% lighter and smaller.

This permits the operator to cover more ground and gather more data than would be otherwise possible.

Simplified Fieldwork

The OMNI IV makes surveys easier to conduct because:

- the need to write down field data is eliminated. Time, field measurement, grid co-ordinates, etc, are simultaneously stored when any one of the three record keys are pressed.
- the operator has the ability to clear the unwanted last reading
- the difference between the current reading and the previous one is calculated automatically
- the coarse magnetic field value or datum can be removed from the field data to simplify plotting of the field results
- diurnal corrections are automatically calculated.

System flexibility offers the following choices:

- if the OMNI IV is used as a field magnetometer or as a gradiometer, the total field data can be corrected by itself using the "tie-line" or "looping" capability.
- if the OMNI IV is used as a self-recording base station, it will correct the total field data in:
 - a. another OMNI IV, used as a field magnetometer
 - b. another OMNI IV, used as a gradiometer
 - c. an OMNIMAG PPM-350
 - d. an OMNIMAG PPM-375, used as a field magnetometer
 - e. an OMNIMAG PPM-500 Vertical Gradiometer

Unparalleled Repeatability of Data

The OMNI IV provides users with unparalleled data repeatability. This is a result of four leading-edge design features that eliminate the need for taking multiple readings:

- Patented Signal Processing Technique
- Constant Energy Polarization that maintains equal energy to the sensor
- Processing sensitivity to ± 0.02 gamma
- Automatic Fine Tuning which uses the previous reading as the base for the next

Other Benefits

• Error Analysis

This unique feature is a great time saver because the calculation of the statistical error of each reading lets the operator make an on-the-spot decision whether that reading should be stored or not.

• Higher Gradient Tolerance

Higher tolerance to local gradients of up to 6000 gammas per meter (field proven), is possible due to a patented signal processing method and to a miniature sensor design utilizing a highly optimized sensor geometry.

• Complete Data Protection

Field data stored in memory is totally protected for a number of years by the lithium backup battery. This battery also provides power to the real-time clock.

• Data Recall

Readings can be recalled either by record number or in sequence.

• Decimal Spacing

A decimal digit is provided for intermediate station intervals of 12.5 meters.

• Power Supply Versatility

Users can choose from:

- non-magnetic rechargeable sealed lead-acid battery cart-ridge or belt
- nickel cadmium (NiCad) battery cartridge or belt
- disposable alkaline battery cartridge or belt

1. As a Self Correcting, "Tie-Line" Magnetometer...

Any survey can now be run and corrected automatically with only one OMNI IV.

The OMNI IV is able to store "looping" or "tie-line" data. This data is stored in a separate memory at the beginning of each survey. Total field readings are then subsequently stored in a second memory along with the field readings of the tie-points. At the end of each survey day, these two memories are merged to automatically correct the total field data for diurnal variations.

Features

The OMNI IV in the "tie-line" mode can:

- Store "looping" or "tie-line" data 3 ways:
 - using one "looping" base point,
 - using one "tie-line" comprised of a number of tie-points, or
 - using multiple "tie-lines".
- Store up to 100 tie-points in one survey area or divide these points into extensions of survey areas as needed.
- Store tie-points or tie-lines for the duration of the survey.
- Calculate the drift between established tie-points, to readily see variations in the earth's magnetic field.

Key Benefits

Eliminates Manual Correction of Data

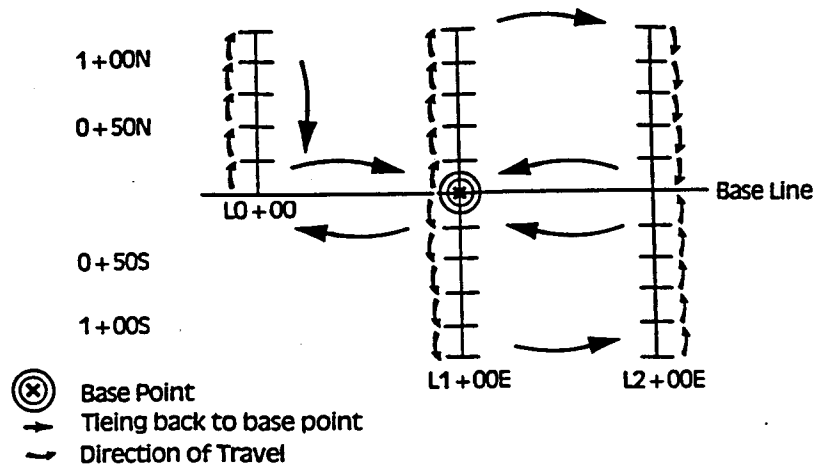
Diurnal corrections, using the tie-line method, can be done automatically by the OMNI IV, eliminating hours of manual and tedious calculations. Corrected data can then be directly transferred to a computer for further data processing.

Flexibility of "Tie-Line"

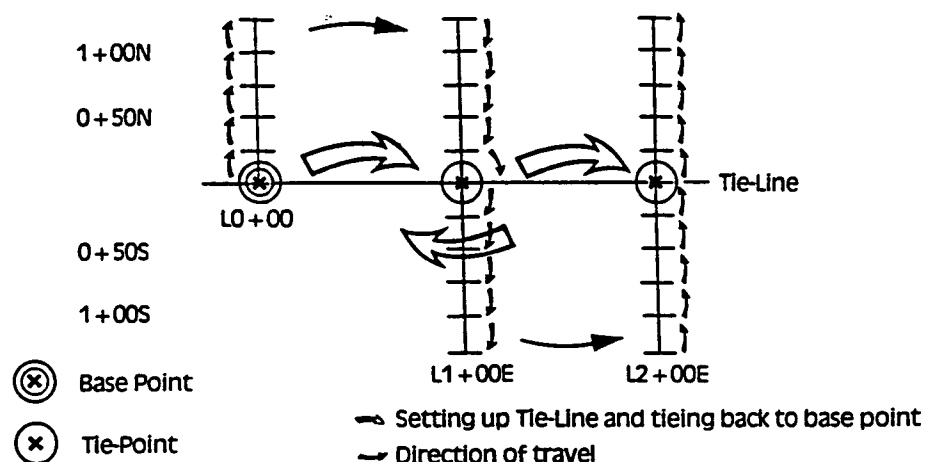
The OMNI IV "tie-line" system offers the operator the flexibility of choosing the most appropriate tie-line method best suited for the survey, depending upon the size and character of the grid. The operator can choose from:

- a single base point,
- a single tie-line,
- multiple tie-lines, or

"Looping" Method



"Tie-Line" Method



Reduced Instrumentation Requirements

The self-correcting "tie-line" feature of the OMNI IV can remove base station requirements from some surveys.

Tie-Line Capability in Gradient Mode

The "tie line" capability is also applicable when used as a gradiometer. The operator can therefore obtain corrected total field data without requiring a base station magnetometer.

Programmable Datum

The OMNI IV can be programmed to automatically remove a designated datum from field data. Removal of this coarse, background value facilitates plotting and interpretation of data.

Automatic Drift Calculations

The OMNI IV can automatically calculate the desired diurnal drift measured between consecutive tie-point readings.

Data Recall

"Tie-line" data can be recalled, even if

Figure 1 is a scatter plot showing the relationship between the number of subjects (N) on the x-axis and the number of trials (T) on the y-axis. The x-axis ranges from 0 to 1600 with major ticks every 400 units. The y-axis ranges from 0 to 40 with major ticks every 10 units. Data points are represented by stars. Two lines are fitted to the data: a solid line representing a linear regression and a dashed line representing a power-law fit. The linear fit is slightly above the power-law fit for $N > 400$.

APPENDIX D: 1989 Diamond Drill Hole Logs

89-550
89-551
89-552
89-555
89-560
89-560a
89-561
89-562

MOUNT SKUKUM GOLD MINING CORP.

MINERALS SECTION

DRILL LOG

PROJECT OCEAN VEIN	GROUND ELEV. 1279.037
HOLE No. 89 550	BEARING 193.03°
LOCATION NORTHING 72750.31 EASTING 80410.42	DIP -48.9°
LOGGED BY J BLACK	TOTAL LENGTH 242.93
DATE JUNE 6 1989	HORIZONTAL PROJECT 161.72
CONTRACTOR ADVANCED DRILLING	VERTICAL PROJECT -181.25
CORE SIZE BQ	ALTERATION SCALE
DATE STARTED JUNE 6, 89	absent slight moderate intense
DATE COMPLETED JUNE 11 1989	TOTAL SULPHIDE SCALE
DIP TESTS 200' (60.96m) - 49° 400' (121.92m) - 48° 610' (185.93m) - 48° 797' (242.93m) - 47°	traces only < 1% 1% - 3% 3% - 10% > 10%
COMMENTS	LEGEND

LENGTH	AZIMUTH	DIP	HORZ	ELEV	DIST FROM BL	SECTION	SEC OFFSET	DESCRIPTION
0.00	193.03	-48.90	0.00	1279.04	176.91 N	5.0 E	6.92 E	COLLAR
29.06	193.03	-48.90	19.10	1257.14	158.30 N	5.0 E	2.61 E	HW-EVENING VEIN
29.22	193.03	-48.90	19.21	1257.02	158.20 N	5.0 E	2.59 E	PW-EVENING VEIN
30.48	193.03	-49.00	20.04	1256.07	157.39 N	5.0 E	2.40 E	DIP CHANGE
32.65	193.03	-49.00	21.46	1254.43	156.00 N	5.0 E	2.08 E	HW-EVENING VEIN
32.82	193.03	-49.00	21.57	1254.30	155.89 N	5.0 E	2.06 E	PW-EVENING VEIN
46.72	193.03	-49.00	30.69	1243.81	147.01 N	5.0 E	0.00 W	CL-SECTION
91.44	193.03	-48.00	60.03	1210.06	118.43 N	5.0 E	6.61 W	DIP CHANGE
130.45	193.03	-48.00	86.14	1181.07	92.99 N	4.0 E	13.00 W	X-SECTION
153.92	193.03	-48.00	101.84	1163.63	77.69 N	4.0 E	8.96 E	DIP CHANGE
213.31	193.03	-48.00	141.58	1119.49	38.98 N	4.0 E	0.00 W	CL-SECTION
214.43	193.03	-47.00	142.33	1118.66	38.25 N	4.0 E	0.17 W	DIP CHANGE
226.13	193.03	-47.00	150.31	1110.11	30.48 N	4.0 E	1.97 W	HW-GOUGE
226.40	193.03	-47.00	150.49	1109.91	30.30 N	4.0 E	2.01 W	HW-EVENING VEIN
226.40	193.03	-47.00	150.49	1109.91	30.30 N	4.0 E	2.01 W	PW-GOUGE
227.38	193.03	-47.00	151.16	1109.19	39.64 N	4.0 E	2.16 W	PW-EVENING VEIN
242.93	0.00	0.00	161.76	1097.82	19.31 N	4.0 E	4.55 W	END OF HOLE

DEPTH (MF TS)	% Core Recy	LITHOLOGY	STRUCTURE	GEOLOGICAL DESCRIPTION		ALTERATION					FRACT INTENSITY		
						SIL A	PRDP B	PHY C	ARG D	E			
0				0-2.35	OIB								
2		OIB		2.35-3.53	AN/D								
		AN/D			intense propylitically altered andesite, <60% plagioclase phenocrysts up to 1mm in size, <5% chlorite altered pyroxenes up to 3mm in size, 3mm calcite /qtz veinlets								
3					55° TCA at 2.6m in a 2cm zone where the veinlets are sheeted and scattered, minor limonite on fractures								
4			STRUCTURE										
		GRDR		3.53-7.18	GRDR								
					equigranular feldspar: plag 3-4mm grains with abundant limonite giving rock a brownish color, scattered qtz veinlets 1-4mm, limonite blebs (replacing primary diss sx?) up to 2mm and coating fractures								
6					minor py in scattered veinlets, chlorite along veins								
		AN/D											
				7.18-7.50	An/D								
8					as described above, slightly more bleached, completely iron stained								
		GRDR		7.50-9.85	GRDR								
					is above but becoming more bleached, sporadic 1-3mm chl-qtz veinlets with fig diss py & gr (10% sx) in veins								
10		AN/D											

DEP (METERS)	% Core Recy	LITHOLOGY	STRUCTURE	GEOLOGICAL DESCRIPTION	ALTERATION					FRACT INTENSITY		
					SIL A	PROP B	PHY C	ABX D	E			
10		GRDR	AN/D	9.85-10.13 AN/D								
				as above, minor limonite								
				associated with fractures								
				10.13-11.10 GRDR								
				same as above, minor								
				limonite on fractures 10% TCA								
				intense phyllic alteration								
11		GRDR	AN/D	in fractures but sparsely								
				distributed								
				11.10-11.34 AN/D								
				as above with coarser								
				3-4 mm blebs of pyroxene								
				crystals altered to chlorite,								
				10% fine diss. leucoxene,								
				minor hematite blebs assoc								
12		GRDR	AN/D	with chlorite clots and in								
				1 mm veinlets								
				11.34-11.76 GRDR								
				as above								
				11.76-12.85 AN/D								
				as above with an								
13		GRDR	AN/D	increase in Qtz / calcite								
				veinlets ~ 7/m, local								
				coarse up to 5mm blebs								
				of py ~ 2% of rock								
				12.85-13.72 GRDR								
				as above with a								
				slight decrease in								
14		GRDR	AN/D	silicification								

DE 1 (METERS)	% Core Recy	LITHOLOGY	STRUCTURE	GEOLOGICAL DESCRIPTION	ALTERATION					FRACT INTENSITY		
					SL A	PROP B	PHY C	ACT D	E			
4				13.72-13.98 AN/D as above								
		GRDR		13.98-15.35 GRDR as above with increased alteration towards the end of the interval with distinct halos of phyllic alteration along fractures								
16		AN/D		alteration envelopes contain fine grained sk py > gn								
		GRDR		15.35-15.95 AN/D as above with a fragment (12cm) of GRDR enclosed in andesite, limonitic qtz calcite veinlets at random orientations through out interval								
18		AN/D		15.95-17.60 GRDR as above with increased phyllic alteration at lower contact with AN/D, 2 qtz veinlets per meter, 1-2mm								
20		GRDR		17.60-19.40 AN/D as above								
		GRDR		19.40-22.22 GRDR intense phyllic alteration minor crosscutting aphte dykes 4cm across, minor less py & gn + 1% apoc in a ground apoc dyke								
22												

DE 1 20 (METRES)	% Core Recy	LITHOLOGY	STRUCTURE	GEOLOGICAL DESCRIPTION	ALTERATION					FRACT INTENSITY		
					SIL A	PROP B	PHY C	ARG D	E			
28		AN/D		27.53-28.58 AN/D CONT py < 2% persists, GRDR fragment enclosed and is 15 cm across								
29		GRDR		28.58-29.06 GRDR intense silicic and phyllic alteration, qtz veinlets with py & gn envelopes and selvages plus chlorite along selvages								
		VNSX		29.06-29.27 VNSX brecciated qtz vein with chlorite, and sx infilling 80% qtz, py < 3%, 7% chlorite minor sericite (evening vein??)								
30		GRDR		29.27-30.58 GRDR intensely silicified phyllic altered as above with py & minor gn along qtz veinlets								
31		AN/D		30.58-32.65 AN/D intense propylitic alteration with moderate calcite veinlets at random orientations up to 5 mm wide hematite coats fractures at 31.90m < 1% fine-medium grained chert py dots through out interval								

PAGE 11 OF 55		PROJECT: OCEAN VEIN		HOLE No. 89550						
C H (METERS)	% Core Recy	LITHOLOGY	STRUCTURE	GEOLOGICAL DESCRIPTION	ALTERATION					FRACT INTENSITY
					S A	Prop B	Pny C	A D	E	
32		ANID		32.65-32.81 VNSX intensely silicified GRDR host with up to 3cm wide bands of qtz breccia (frags $\leq$ 1cm) with chlorite envelopes, 60°TCA 2% fine grained pyrite blebs and 4% fine grained galena concentrated along bands with 2cm frags of ANID (evening vein??)						
33		GRDR		32.81-34.02 GRDR intense phyllic and silicically altered with randomly oriented chl veinlets, 4% f.g. py diss throughout, last 0.12 m of interval is a convoluted mixture of intense silicified GRDR with propylitically altered ANID? as a HW to fault gouge below						
34				34.02-34.14 fault gouge (shear zone) 2mm remnant frags with HWEFW contacts being limonitized						
36		GRDR		34.14-39.86 GRDR 34.14-35.20 1st 10cm of interval is intense silicification and phyllic alteration but becomes partially unconsolidated with ground core at 34.53m 34.61m, an 11mm band contains 3% f.g. py blebs up to 1cm and medium grained galena oriented 85°TCA, 34.68-34.96 aplite which is						

30 C H (METRES)	% Core Recy	LITHOLOGY	STRUCTURE	GEOLOGICAL DESCRIPTION	ALTERATION					FRACT INTENSITY		
					S A	Prop B	Phy C	A D	P _o E			
39		GRDR		34.14-39.86 GRDR CONT aphanitic glassy looking with minor limonite on fractures 34.96-36.00m intense silicic/phyllic GRDR which grades into a weakly silicified, moderately propylitized GRDR at 38.00m At 37.25m 12mm wide band of qtz/calcite veinlet with associated envelopes of f.g py blebs up to 5mm and medium grained galena, 42% SX, increased propylitic alteration towards end of interval, 1% diss py throughout								
40		AND		39.86-40.12 ANID as above with only 1mm calcite veinlets and dyke is dark (almost black in color), limonite on fractures								
44		GRDR		40.12-48.80 GRDR intense propylitic altered, moderate to intense phyllic weak to moderate silicification 41% py diss throughout rusty limonite on fractures contains f.g dark green fragments 47cm ANID?								
				42.57-42.92 missing core btwn 42.57 LOST and 42.92, last 15cm of interval is intense limonite stained								
48				48.80-49.18 AN/D as above with phocryls								

H D (METERS)	% Core Recy	LITHOLOGY	STRUCTURE	GEOLOGICAL DESCRIPTION	ALTERATION					FRACT INTENSITY		
					S A	Prop B	Phy C	A D	Po E			
56				49.18-55.26 GRDR CONT								
				55.26-56.18 LOST CORE MISSING								
57				56.18-83.94 57.00-64.01 GRDR cont silicification, intense propylitic alteration and moderate phyllitic, <1% fg py diss								
58				57.94-59.33 intensely rusty zone along fractures								
				59.33-49.61 zone of moderate silicification with hematitic fractures with associated <1% fg. euhedral py and qtz calcite veinlets occur at ~80° TCA 3/cm spacing								
60		GRDR		64.01-71.39 same as interval 57.00-64.01 except phyllic alteration is increased to intense and py is becoming leached to hematite blebs diss throughout <1mm								
				63.37 1cm qtz calcite veinlet 30° TCA contains <1% medium grained euhedral py cubes along margins and endops to the veinlet								
62				70.18-70.43 chloritic bands 060° TCA with assoc qtz calcite veinlets up to 7mm wide containing less than 4mm blebs of fine grained py and at 70.43 0.06m chert zone 060° TCA								
64				along fragments < 12mm								

D' H (METERS)	% Core Recy	LITHOLOGY	STRUCTURE	GEOLOGICAL DESCRIPTION	ALTERATION					FRACT INTENSITY		
					S A	Prop B	Phy C	A D	Po E			
64				56.18-83.94 GRDR CONT								
				70.18-70.43 cont and f.g. py <1% along edges of calcite fragments								
66				71.39-80.04 intense phyllic weak to moderate silicification with intense rusty fractures often with assoc pyrolusite intense propylitic alteration core is a pale drab green color (orange brown buff where limonite/pyrolusite occurs) <1% f.g. py diss persists small iron zones where hematite is also diss. with the pyrite								
68		GRDR		80.04-83.94 same as above except core is less green and more buff colored as limonite becomes pervasive								
				79.68-82.5cm zone of qtz calcite breccia 60-70A with py selvages in chlorite envelopes py is coarse blebs <1% in and along fractures through the qtz fragments								
70				83.13 blebs of calcite and hematite <1cm with fine grained py are diss throughout until lower contact								
				83.62 4mm wide stringers of fine grained py								

83 DF TH (ME, IS)	% Core Recy	LITHOLOGY	STRUCTURE	GEOLOGICAL DESCRIPTION	ALTERATION					FRACT INTENSITY																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																		
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82				83.94-87.28 RY/D light drab green rhyolite dyke unit with <60% 3mm feldspar phenocryst altered to white green color and turned to carbonate ~1% poorly developed qtz eyes in an aphanitic felsic ground mass. Chlorite rich veinlets and chl. bands give core banded look, 55% HW contact with GRDR is a 2cm zone of qtz calcite veinlets 60%CA with medium grained py in 4mm clusters in and along selvages to veinlets <1%, Py continues diss in RY/D as <5mm euhedral blobs, <1% of rock, carbonate occurs along fractures and as 'eyes' <1%, pyrolusite lines major fractures and is concentrated btwn 86.73 and Fw Contact, at 85.33m a 0.06m zone of 40%CA buff yellow fault gouge with grey fine grained mpy chlorite, carbonate coats fracture <2mm thick, 85.67- 85.73 dark grey veinlets of qtz & calcite filled with py seams <1cm wide and medium grained gn assoc with qtz veinlets, sx <5% of interval, veinlets with sx 50% red, trace sphalerite																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																								
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H D (METERS)	% Core Recy	LITHOLOGY	STRUCTURE	GEOLOGICAL DESCRIPTION	ALTERATION					FRACT INTENSITY		
					S A	Prop B	Phy C	A D	Po E			
87		RY/D		87.28-88.86 GRDR as above with a rusty zone from 87.28-89.38 where fractures are coated with limonite and pyrolusite, py diss throughout interval is partially leached and concentrate along fractures <2%. At HW contact with PPDF from 87.21 to 87.37m qtz calcite veinlets with <3% gn and py <1cm wide, diss py occurs throughout interval bands of Po alteration up to 3cm wide with sharp boundaries 50°TCA occur and groundmass becomes leached below 89.38m								
88												
90		GRDR		93.17-93.33 milky white calcite and clear qtz veinlet 1cm wide 45°TCA contains <2% Sx of fine grained py + ground limonite along fractures								
				93.62-95.73 badly ground core								
95		LOST		94.50-95.73 LOST 1.23m; 94.50- 95.73m core missing								
				95.86-96.31 AN/D dark green, intense propylitic altered AN/D randomly oriented calcite, qtz veinlets throughout, abundant eucalcine								
		GRDR										
		AN/D										

Core ID (MEI...ES)	% Core Recy	LITHOLOGY	STRUCTURE	GEOLOGICAL DESCRIPTION	ALTERATION					FRACT INTENSITY	
					Si A	Py B	Phy C	A D	Py E		
106		PPQF		10485-10923 RY ID same as above with moderate pyrolosite on fractures, subhedral blebs of f.g. py ≈ 4 mm							
				109.00-109.09 m 4 sheeted py rich veinlets < 3 mm wide with f.g. py, qtz and calcite plus f.g. an $< 1\%$, limonite on fractures, veinlets 50° TCA							
				109.23-126.65 GRDR same as above with intense rusty patches							
108				112.32-112.63 sheared GRDR convoluted chlorite veinlets produce a crude fabric 60° TCA							
				core becomes magnetic at 111.79 m							
118				123.53-123.48 yellow buff colored shear zone with < 2 mm of goetz on a fracture 40° TCA							
		GRDR		123.75-124.97 LOST locally ground core with 0.92m missing core!							
				126.65-126.8 ANID as above except with rare leucoxene and calcite on calcite veinlets with limonite on fractures							
128		GRDR	ANID								

4 DF (ME...S)	% Core Recy	LITHOLOGY	STRUCTURE	GEOLOGICAL DESCRIPTION	ALTERATION					FRACT INTENSITY		
					Si A	Pr B	Ph C	A D	Bo E			
126		AN/D		12680-12802 GRDR fresh looking GRDR, magnetic, pyroxene shaped chlorite filled phenocrysts, moderate phyllitic and silicic altera- tion with intense propylitic. Calcite 3mm wide coats several fractures, minor leucoxene and only rare py diss								
130		GRDR		12802-12843 AN/D as above with no diss py and no leucoxene and only one hairline fracture filled with calcite and hematite at 35° TCA								
132				12843-13312 GRDR moderate to intense potassic alteration, same as above with <1% diss py								
134		AN/D		13312-13427 AN/D same as above with randomly oriented calcite hematite veinlets <3mm wide, color gradationally changes down hole from dark grey green to dusty green, rare diss py								
139		GRDR		13427-14251 GRDR same as above, core is magnetic and potassic alteration persists								

PAGE 31		OF		PROJECT: OCEAN VEIN		HOLE No. 89550					
C D H (M.E.S.)	% Core Recy	LITHOLOGY	STRUCTURE	GEOLOGICAL DESCRIPTION	ALTERATION					FRACT INTENSITY	
					S A	P B	Ph C	A D	Po E		
137				134.27-142.51 GRDR CONT 141.43 3cm wide zone of qtz calcite veinlets with f.g. py <1% with chlorite envelopes 141.80 1cm bl/b of epidote							
141		GRDR		142.51-142.61 AN/D dark green dyke with calcite replaced pyrocrysts, offset along a fracture which is 11" to core axis, offset 35mm, <1% f.g. py Fw contact has a 5mm qtz calcite veinlet with hematite and <1% f.g. py, this veinlet is also offset							
143				142.61-147.80 GRDR same as above with an increase in py yet still less than 1% as f.g. clss 147.14-147.47 intense rusty zone with limonite and siderite on fractures							
146		GRDR		147.8-148.07 AN/D dark green with hairline calcite fracture fillings with hematite along selvages, clss leucoxene through entire interval							
146				AN/D							

C H T (MESES)	% Core Recy	LITHOLOGY	STRUCTURE	GEOLOGICAL DESCRIPTION	ALTERATION					FRACT INTENSITY		
					S A	Pr B	Ph C	A D	Po E			
150		GRDR		148.07-150.94 GRDR same as above with rare calcite / qtz veinlets < 2mm wide with < 1% f.g py								
				149.00-149.31 intense rusty zone with limonite and siderite on fractures								
152		AN/D		150.94-151.16 AN/D same as above but with calcite veinlets containing hematite, HW contact was sheared calcite / hematite veinlets at 40° TCA								
				151.16-154.68 GRDIZ same as above with rusty patches throughout and minor diss leucoxene								
				152.42-152.65 intense silicification with increased leucoxene, f.g. py diss < 1% as 4mm bixbs 5mm qtz stringer with < 1% f.g py on selvages 55° TCA, trace epidote								
154		GRDR										
				154.52-154.68 sheared contact with AN/D, rusty with hematitic qtz and calcite fragments in crude bands 50° TCA with chlorite envelopes, < 1% f.g py diss								
155		AN/D		154.68-154.70 AN/D								

D TH (METERS)	% Core Recy	LITHOLOGY	STRUCTURE	GEOLOGICAL DESCRIPTION	ALTERATION					FRACT INTENSITY		
					S A	Pr B	Ph C	A D	PO E			
155				154.68-154.90 AN/D CONT same as above with an altered HW, intense limonite mark a chilled margin of a 3cm frag in the HW with calcite replaced phenocrysts								
160		GR DR		154.90-162.05 GR DR as above with continued potassic alteration, fractures are coated with <1mm of red hematite, <1% F.g diss py, core is still magnetic, minor leucoxene								
162				157.34 <2mm veinlet of dark sphalerite and g. blebs of cp								
		AN/D		161.10-161.88 possible misbatch? with footage tag in incorrect spot, ground core just after improper tag - core cut twice (no core missing)								
164		GR DR		162.05-162.23 AN/D dark green dyke with abundant leucoxene, one 3mm calcite veinlet 40% with 2 stages of fluid injection, one as a hairline selvage to the clearer center								
166				162.23-168.13 GR DR same as above with epidote veinlets <2mm with <1% F.g diss py								

D th (M.E.S.)	% Core Recy	LITHOLOGY	STRUCTURE	GEOLOGICAL DESCRIPTION	ALTERATION					FRACT INTENSITY		
					S A	Pr B	Ph C	A D	Po E			
166		GRDR		162.23-168.13 GRDR Cont along fractures								
				164.10 fracture with 2cm coating of very fine grained galena and py diss								
				166.45 - 166.94 <1% f.g cp diss plus <1% f.g py								
168		AN/D		168.13-169.27 AN/D same as above with less leucoxene, HW contact has <2cm of epidote veinlets 45° TCA, chlorite calcite veinlets with nematite are randomly oriented								
169		GRDR		169.27-174.60 GRDR same as above with core being strongly magnetic minor epidote bands of chlorite with calcite, minor diss leucoxene								
174		AN/D		174.60-175.16 AN/D same as above with chlorite/epidote veinlets throughout, HW sheared with a 1cm qtz calcite veinlet at 45° TCA with <1% f.g diss pyrite								
176		GRDR		170.16-178.56 GRDR same as above with								

DEPTH (METERS)	% Core Recy	LITHOLOGY	STRUCTURE	GEOLOGICAL DESCRIPTION	ALTERATION					FRACT INTENSITY		
					S A	Pr B	Ph C	A D	PO E			
180.57-181.84		GRDR		same as above except an increase in silicification, decrease in phyllic and potassic alteration, core is still magnetic								
181.84-182.35		ANID		same as above with hematite rich Qtz calcite veinlets ≤ 3 mm @ TCA								
182.35-185.46		GRDR		as above, minor leucokene								
183.5				8cm fragment of ANID enclosed								
185.46-185.71		ANID		as above with abundant leucokene								
185.71-186.77		GRDR		as above with < 7 cm fragments of dyke enclosed, 2 1cm Qtz calcite stringers at 40° TCA with $< 10\%$ Fe py in subhedral blebs in and along stringers py concentrated along dykes fragment selvages ($< 10\%$)								
187.45				35mm piece of sheared core with some clay gouge and $< 10\%$ Fe py clots								

D th (M.E.S)	% Core Recy	LITHOLOGY	STRUCTURE	GEOLOGICAL DESCRIPTION	ALTERATION					FRACT INTENSITY		
					S A	P _r B	Ph C	A D	P _o E			
185.71-188.97		GRDR		GRDR CONT								
		ANDK		Possible mismatch? lag 184.7 to 187.45 has 36 cm extra while btwn 187.45-189.28 has 28 cm missing (lag in wrong spot?)								
		GRDR										
		AND										
188.97-189.28		AND		AND								
				same as above blocky core								
189.28-189.44				GRDR								
				same as above, FW weak phyllic alteration								
189.44-189.78				AND								
				as above except not blocky core and py is <1% as 3mm small blks dis throughout								
189.78-194.50		GRDR		GRDR								
				same as above FW & HW weak phyllic alteration contains <7cm fragments of dyke unit enclosed within GRDR								
191.65				4.5 cm zone of intense silicification including a 3cm milky white qtz scatter fragment with 4mm bits of f.g. py								
191.40				1cm veinlet with small bits of f.g. py								

H D (METERS)	% Core Recy	LITHOLOGY	STRUCTURE	GEOLOGICAL DESCRIPTION	ALTERATION					FRACT INTENSITY		
					S A	Pr B	Ph C	A D	PO E			
195		AN/D		194.50 - 195.68 AN/D same as above with 3cm fragments of GRDR								
196		*		195.68 - 217.93 GRDR same as above with red hematite along fractures for 10cm down hole from HW contact, propylitic alteration increased to intense, 1% py, f.g. diss and concentrated along fractures as 2mm strands near mid at random orientations core weakly magnetic								
198		GRDR		198.64 2cm qtz stringer with calcite, 60°C A with 1% f.g. py diss along margins								
200				201.84 - 201.94 zone of intense silicification with numerous qtz + calcite veinlets, 20% f.g. py diss and fracture filling along selvages of veinlets, minor hematite								
				203.68 4mm band of qtz + calcite with 3% gn, 2% sphalerite and 2% py 50°C A								
				203.80 25mm qtz veinlet with calcite and 1% f.g. py and trace gn								
202				204.15 - 204.95 zone of weak alteration								

202	D TH (METERS)	% Core Recy	LITHOLOGY	STRUCTURE	GEOLOGICAL DESCRIPTION	ALTERATION					FRACT INTENSITY
						Sil A	Prop B	Phy C	Arg D	Po E	
202					195.68-217.93 SRDR CONT						
					207.78 5mm qtz calcite veinlet with <1% py and gn as selvages, trace sphalerite						
204					209.69 15mm qtz calcite veinlet with 40% lig gray sx silos <5% 3mm py blbs and gn						
					211.27-211.38 moderate- intense silicification with chloritic qtz calcite veinlets with <1% py and rare gn in py						
206					211.64-212.14 zone of intense argillic alteration core is partially unconsolidated with feldspar phenocryst altered to clay						
					212.45-212.53 silicified zone with <1% py and rare sphalerite blbs						
208					213.51-214.16 phyllic altered silicified interval with numerous qtz calcite veinlets with py and euhedral gn <1% along fractures and veinlet selvages, py also <2% diss throughout						
					217.63-217.93 LOST 30cm core missing, one ground piece of core is left after log						

PAGE 51		OF 55		PROJECT: OCEAN VEIN		HOLE No. 89 550							
DF 4 UN (ME, S)	% Core Recy	LITHOLOGY	STRUCTURE	GEOLOGICAL DESCRIPTION	ALTERATION					FRACT INTENSITY			
					Sil A	Prop B	Phy C	A D	Po E				
224		GRDR		223.03-226.13 GRDR									
				224.00-224.34 flow banded with convoluted chlorite veinlets and <1% py diss along veinlets. 224.15 15cm fragment of fragmental mafic dyke which has GRDR fragments within									
				224.34-226.13 propylitic and phyllitic altered GRDR with an increase in chlorite veinlets having <1% f.g. py and grey f.g. SX 50° TCA									
				226.13-226.40 GOUGE fault gouge grey green color grading into dark grey down hole NW to OCEAN VEIN, <1% f.g. SX									
				226.40-227.8 VN SX (OCEAN VEIN) brecciated with ~60% qtz fragments < 1cm with calcite veinlets throughout in a black siliceous, chlorite matrix, ~15% t.g. py along fractures ~10% f.g. gn with ~25% sl + trace Cr									

DEPTH (METERS)	% Core Recy	LITHOLOGY	STRUCTURE	GEOLOGICAL DESCRIPTION	ALTERATION					FRACT INTENSITY		
					Si A	Po B	Phy C	Arg D	Po E			
22.7				22.738-231.97 GRDR								
30		GRDR		FW to OCEAN VEIN, intense phyllitic and silicification								
31				<1% f g py								
32		ANID	Δ	230.37-230.96 "bleached"								
33		GRDR		GRDR with weak propylitic intense phyllitic and moderate silicification 230.97-231.97 a fracture with some green clay								
234		MISSING CORE										
				231.97-232.16 ANID								
				broken core with abundant leucocrone								
				232.16-232.57 GRDR								
239				as above with moderate silicification with rare disopy last 5cm of box is ANID as above								
240				232.57-238.07 GRDR? LOST								
				Box of core flipped during flight all but 1.04 m lost. Pieces								
241		GRDR		left are phyllitic altered GRDR with weak to moderate silicification								
				238.07-242.93 GRDR								
				weak silicification, moderate propylitic alteration, moderate disopy, 2-4cm, <1% f g py diss.								
243												

MOUNT SKUKUM GOLD MINING CORP.

MINERALS SECTION

DRILL LOG

PROJECT OCEAN VEIN	GROUND ELEV. 1238.701
HOLE No. 89 551	BEARING 188.7
LOCATION NORTHING 72757.56 EASTING 80464.993	DIP -55.8
LOGGED BY J BLACK	TOTAL LENGTH 271.88
DATE JUNE 12 1989	HORIZONTAL PROJECT 154.2144
CONTRACTOR ADVANCED DRILLING	VERTICAL PROJECT -223.7821
CORE SIZE BQ	ALTERATION SCALE
DATE STARTED JUNE 16 1989	TOTAL SULPHIDE SCALE
DATE COMPLETED JUNE 15 1989	
DIP TESTS 200' (60.96m) - 55° 600' (182.88) - 55° 400' (121.92m) - 58° 886' (270.05) - 53°	
COMMENTS	LEGEND

DDH No..... 89-551
 NORTHING... 72757.560
 EASTING.... 80464.993
 ELEVATION... 1238.701
 BASELINE... OCEAN000
 TOTAL HORZ 154.2139
 TOTAL VERT -223.7818

PLAN PLOT				LONGITUDINAL PLOT				SECTION PLOT			
LENGTH	AZIMUTH	DIP	HORZ	ELEV	DIST FROM BL	SECTION	SEC OFFSET	DESCRIPTION			
0.00	188.70	-55.80	0.00	1238.70	184.16	N	7.0	E	11.49	E	COLLAR
23.25	188.70	-55.80	13.07	1219.47	171.24	N	7.0	E	9.52	E	NW->EVENING VEIN
23.51	188.70	-55.80	13.21	1219.26	171.10	N	7.0	E	9.49	E	FW->EVENING VEIN
30.48	188.70	-55.00	17.13	1213.49	167.22	N	7.0	E	8.90	E	DIP CHANGE
44.76	188.70	-55.00	25.32	1201.79	159.13	N	7.0	E	7.66	E	NW->EVENING VEIN
44.91	188.70	-55.00	25.41	1201.67	159.04	N	7.0	E	7.65	E	FW->EVENING VEIN
49.89	188.70	-55.00	28.27	1197.59	156.22	N	7.0	E	7.22	E	NW->EVENING VEIN
50.17	188.70	-55.00	28.43	1197.36	156.06	N	7.0	E	7.19	E	FW->EVENING VEIN
91.44	188.70	-58.00	52.10	1163.56	132.66	N	7.0	E	3.61	E	DIP CHANGE
136.52	188.70	-58.00	75.98	1125.33	109.05	N	7.0	E	0.00	W	CL-SECTION
152.40	188.70	-55.00	84.40	1111.86	100.73	N	7.0	E	1.27	W	DIP CHANGE
226.47	188.70	-51.00	126.88	1051.19	58.74	N	7.0	E	7.70	W	DIP CHANGE
242.01	188.70	-53.00	136.24	1038.77	49.49	N	7.0	E	9.11	W	NW->GOUGE
242.13	188.70	-53.00	136.31	1038.68	49.42	N	7.0	E	9.12	W	FW->GOUGE
242.13	188.70	-53.00	136.31	1038.68	49.42	N	7.0	E	9.12	W	NW->OCEAN VEIN
242.46	188.70	-53.00	136.51	1038.41	49.22	N	7.0	E	9.15	W	FW->OCEAN VEIN
242.46	188.70	-53.00	136.51	1038.41	49.22	N	7.0	E	9.15	W	NW->RHR
243.00	188.70	-53.00	136.83	1037.98	48.90	N	7.0	E	9.20	W	FW->RHR
243.00	188.70	-53.00	136.83	1037.98	48.90	N	7.0	E	9.20	W	NW->RY/D
243.42	188.70	-53.00	137.09	1037.65	48.65	N	7.0	E	9.24	W	FW->RY/D
243.42	188.70	-53.00	137.09	1037.65	48.65	N	7.0	E	9.24	W	NW->GRDP
244.17	188.70	-53.00	137.54	1037.05	48.21	N	7.0	E	9.31	W	FW->GRDP
244.17	188.70	-53.00	137.54	1037.05	48.21	N	7.0	E	9.31	W	NW->OCEAN VEIN
244.48	188.70	-53.00	137.72	1036.80	48.02	N	7.0	E	9.34	W	FW->OCEAN VEIN
244.48	188.70	-53.00	137.72	1036.80	48.02	N	7.0	E	9.34	W	NW->GRDP
252.17	188.70	-53.00	142.35	1030.66	43.45	N	7.0	E	10.04	W	FW->GRDP
252.17	188.70	-53.00	142.35	1030.66	43.45	N	7.0	E	10.04	W	NW->GOUGE
252.33	188.70	-53.00	142.45	1030.53	43.35	N	7.0	E	10.05	W	FW->GOUGE
271.88	0.00	0.00	154.21	1014.92	31.72	N	7.0	E	11.83	W	END OF HOLE

PAGE 1		OF 18		PROJECT: OCEAN VEIN		HOLE No. 89551						
DEPTH (MEAS)	% Core Recy	LITHOLOGY	STRUCTURE	GEOLOGICAL DESCRIPTION		ALTERATION					FRACT INTENSITY	VEINLET INTENSITY
						Sil A	Prop B	Phy C	Arg D	Po E		
0		016		0- 3.05	OVER BURDEN							
				3.05-23.25	GRDR ~60% plagioclase phenocrysts with ~5% chlorite altered pyroxenes, limonite on fractures and replacing phenocrysts 6.91-7.21 dark green late stage granitic dyke with relict phenocrysts HW contact is tan green rescaled fault gouge 2cm wide with GRDR fragments ~2mm in size, sporadic qtz/calcite blebs and veinlets throughout, sections 19.11-19.78, 11.04-11.18, 13.85-13.96, 19.73-19.80, & 21.96-22.06 are the same as 6.91-7.21m 20.51-20.62 silicified zone with 2cm qtz/calcite veinlets with ~2% fg py blebs, ~2% black siderite as 7mm blebs and ~1% fg gn							
10				23.25-23.51	VNQC buff white qtz vein with limonite on fractures and ~1% 8mm pyritomorphs along fractures (evening vein?)							
20				23.51-29.26	GRDR same as above 24.17-24.32 intense silic. with qtz/calcite veinlets up to 2cm wide with ~2% 7mm pyritomorphs and fg py along fractures, gray fg sx in veinlets and along selvages with assoc hematite (evening vein?) 26.91-27.00 rusty porous qtz veinlet, relict (ghost) phenocrysts no sx visible							
30				29.26-30.17	LOST known mismatch with 3 cm of ground core and 9cm missing							
				30.17-43.11	GRDR same as above with the core now being magnetic 35.38-35.39 1cm qtz/calcite veinlet 50% CA with ~1% fg py as 3mm blebs and ~1% fg gn in veinlet & selvages 42.89-43.11 sheared contact with convoluted chlorite veinlets with qtz fragments ~2% fg py diss, ~1% gn							

DE I (METRES)	% Core Recy	LITHOLOGY	STRUCTURE	GEOLOGICAL DESCRIPTION	ALTERATION					FRACT INTENSITY	VEINLET INTENSITY
					Sil A	Prop B	Phy C	Arg D	Po E		
70				58.17-77.66 GRDR cont:							
				73.98-74.12 intense silicification with ~2% fg py diss and concentrated around a 1cm qtz calcite blub with fg grey sx and assoc hematite.							
				74.12-74.17 shear zone, chloritic band 45° TCA with ~10% qtz fragments (augen shaped) with fg sx in chlorite							
				75.44-75.88, 76.43-76.63 aplite as above							
80				77.66-81.87 RYID light green intense phyllitic altered in bands 45° TCA, calcite veinlets with qtz/calcite concentrate py with overall ~2% diss as 2mm blebs (see mineralization description)							
				81.87-82.68 GRDR same as above with no potassic alteration, weak argillic and intense phyllitic							
				82.45-82.49 fragment of RYBX 25°							
				82.68-83.64 RYBX medium grey colored rhyolite? matrix with 40% fragments up to 15mm of GRDR (possible rhyolite contact breccia?) with ~5% dark green fragments up to 1cm							
90				83.64-97.01 GRDR same as above							
				94.00-94.81 calcite replaces phenocrysts in GRDR to give mottled look, minor hematite							
				97.01-101.68 RYID as above except with distinct qtz eyes ~10% with ~1% diss fg py and limonite on fractures intensely silicified with moderate phyllitic, weak propylitic alteration, rare fractures filled with very fg grey sx							
100				101.68-103.07 GRDR phyllitic altered phenocrysts with limonite on fractures							
				103.07-103.74 ANID dark green andesite with qtz calcite veinlets randomly oriented with minor hematite in qtz blebs							
				103.74-123.09 GRDR as above 83.64-97.01, internal 106.05-106.68 intense silicification potassic with 2cm diam of spherulites.							

DF 1 (METERS)	% Core Recy	LITHOLOGY	STRUCTURE	GEOLOGICAL DESCRIPTION	ALTERATION					FRACT INTENSITY	VEINLET INTENSITY
					Sil A	Prop B	Phy C	Arg D	Py E		
110		GRDR		103.74-123.09 GRDR cont. fresh magnetic granodiorite as above							
				116.12-116.14 white qtz calcite veinlet with ~1% coarse grained py along fractures							
				117.41-117.46 pink intense silicification (aplite) with gradational boundaries							
				120.36 fracture with 3mm coarse calcite and ~2% py diss along fracture, baked margins of pyritic altered GRDR							
120		AN/D		123.09-124.33 AN/D as above with increased calcite replacing phenocrysts and hematite in qtz/calcite veinlets randomly oriented, ~1% f g py diss throughout							
				124.33-149.99 GRDR same as above							
				124.77-124.85, 128.46-128.84, 129.43-129.51 aplite, dusty pink color, intense silicification, ghost remnant texture of GRDR, ~2% Sphalerite as diss and blks ≤ 3mm wide, ~2% diss and concentrated py, ~1% hematite assoc with sx in qtz, ~1% f g gn, minor leucocenes							
130		GRDR		138.09-149.89 hematite replacing phenocrysts giving coarse mottled look up to 10% of rock							
				138.75-141.12 intense potassic aplite ~1% diss py with ≤1% sphalerite also diss in up to 4mm blks							
140				141.61-141.62 1cm veinlet of qtz/calcite with distinct selvages of chlorite and within veinlet, hematite + f g sx							
				147.79-147.85 fragment of AN/D enclosed in GRDR							
		AN/D		148.99-149.73 AN/D dark green with ~5% subhedral py cubes btwn HW-149.12 with rest of interval having ~1% f g py, hematite, some coarse, several qtz veins, mostly with hematite and some							

DI 1 (METRES)	% Core Recy	LITHOLOGY	STRUCTURE	GEOLOGICAL DESCRIPTION	ALTERATION					FRACT INTENSITY	VEINLET INTENSITY
					Si A	Prop B	Phy C	Arg D	PO E		
150		GRDR		149.73-153.98 GRDR same as 138.09-149.89							
		AN/D		153.98-155.03 AN/D dark green with 14/m veinlets of qtz/calcite up to 1cm wide with hematite selvages and fractures abundant leucosilite, rare diss py							
		GRDR		155.03-160.00 GRDR hematite alteration of above is rare now and minor leucosilite is diss throughout core,							
160		GRDR		155.57-155.70, 156.27-156.51 qtz fault zones with ~5% gouge, unconsolidated, rusty no sulphides visible							
		GRDR		157.98-158.42 intense silicification (aphite?) fragments, intense potassic alt. -1% sx of sphalerite gn + py diss 159.56 ground core (no lost core)							
		GRDR		160.00-160.47 AN/D as above with hematite fractures							
		GRDR		160.47-171.03 GRDR as above							
		GRDR		165.19-165.66 intense phyllic altered GRDR with several qtz/calcite veinlets having hematite -1% py diss, rare gn ~1mm grey clay gouge + sx?, minor hematite replacing pyrrhotite, ~1% leucosilite (also 166.04-166.14)							
170		GRDR	LOST	171.03-171.15 LOST core (minor groundings of core)							
		GRDR		171.15-172.27 GRDR as above, patchy hematite veins							
		GRDR		171.81-171.97 intense silicified, potassic GRDR with distinct grains							
		GRDR		172.49-173.54 intense silicification with sheeted veinlets up to 15mm wide 45° TCA with 3% py as 4mm blebs along selvages and diss in veinlets, trace sphalerite							
180		GRDR		176.20-176.25 same as 171.81-171.97 with hydroxide containing ~3% Fe gn + py as a grey paste, 10mm active hematite veins							
		GRDR		177.07-177.27 silicified zone with several randomly oriented qtz/calcite veinlets with ~2% py as 4mm blebs along selvages and diss in veinlets, trace sphalerite							
		GRDR		177.27-177.52 AN/D same as above with ~2% sphalerite veinlets up to 3mm wide							
		GRDR		177.52-181.77 GRDR same as above							
		GRDR		181.78-181.90 GRDR same as above							

DEPTH (METERS)	% Core Recy	LITHOLOGY	STRUCTURE	GEOLOGICAL DESCRIPTION	ALTERATION					FRACT INTENSITY	VEINLET INTENSITY	INTENSITY
					Si A	Al B	Phy C	Arg D	P E			
185				177.52-187.77 GRDR cont hematite replacing phenocrysts in patches ~5cm wide								
				187.77-188.67 AN/D dark green with calcite replacing phenocryst and as blks up to 4mm, hematite veinlets <3/m up to 2mm wide, rare diss py								
				188.67-193.54 GRDR as above with rare hematite replacing phenocrysts, patchy potassic alteration ~1% leucoxene diss throughout, pyrite up to 1% diss but concentrated along chlorite veinlets and at contact with								
190				193.54-193.71 AN/D same as above except py ~2% diss as subradial pyrite nodules								
				193.71-193.99 GRDR as above with no hematite replacing phenocrysts								
				193.99-194.78 AN/D same as 187.77-188.67 with ~1% diss py and calcite on fractures up to 2mm wide								
				194.78-195.25 GRDR as above with AN/D fragments								
200				195.25-195.84 AN/D same as above with two 7mm qtz calcite hematite veinlets with 1% diss py								
				195.84-196.96 GRDR as above minus AN/D fragments								
				196.96-197.39 AN/D as above with no hematite, lighter green								
				197.39-197.62 GRDR as above, minor leucoxene								
				197.62-197.93 AN/D as above with minor hematite								
				197.93-198.45 GRDR as above, pervasive potassic alt								
				198.45-200.68 AN/D as above, abundant hematite and GRDR fragments up to 1cm wide, ~1% py diss								
				200.68-201.04 GRDR same as 197.39-197.62 interval								
210				201.04-201.41 AN/D same as 197.62-197.93 interval								
				201.41-201.63 GRDR same as above								
				201.63-201.75 AN/D as above, ~2% diss py, abundant leuc								
				201.75-206.57 GRDR same as above, weak shear 204.80								
				206.57-207.13 AN/D same as above								
				207.13-208.30 GRDR same as above interval								
				207.30-207.50, 207.72-207.80 intense silicification with 40% qtz and buff colored calcite with ~5% coarse py along a fracture, 2% diss. Spinelite, trace gr								
215				208.30-209.34 AN/D as above								

ANDESITE WITH GRDR

DEPTH (ME. S)	% Core Recy	LITHOLOGY	STRUCTURE	GEOLOGICAL DESCRIPTION	ALTERATION					FRACT INTENSITY	VEINLET INTENSITY
					Sil A	Prop B	Phy C	Arg D	Po E		
250				243.00-243.42 RYID fractured but not brecciated with distinct chlorite bands 65° TCA, crosscut by 1cm qtz stringers ~5% py and fg gn							
251				243.42-252.17 GRDR 243.42-244.48 shear zone with convoluted chlorite veinlets and concentrated into bands up to 5cm wide 40° TCA with ~10% py 5% gn 5% sl							
252				244.17-244.48 VNSX with frags of intense phyllic altered GRDR with abundant chlorite + sx, 20% py 10% sl 5% gn							
253				252.17-252.33 GOUGE fault gouge with dark grey chlorite/sx bands 60° TCA							
254				252.33-254.81 GRDR intense phyllic altered coarse grained granodiorite with numerous silica flooded zones, 252.46 1cm qtz calcite veinlet with 5% py							
255				254.13-254.16 and 254.17, fractures with 5mm qtz crystals open space filling with 1% subhedral gn and py, calcite							
256				254.81-257.56 RHYL flow banded rhyolite, phyllically altered 35° TCA with abundant sx rich blebs and fracture fillings							
257				255.57-255.58 qtz calcite stringers with ~10% py 5% gn as coarse cubes							
258				255.67-255.95 brecciated RYID with calcite fragments up to 3cm wide of cream color plus qtz fragments in a drab green rhyolite matrix up to 60%							
259				257.23-257.33 breccia of rhyolite fragments up to 15mm in a dark grey matrix with ~1% fg py, 257.33-257.56 flow banded RHYL with ~2% py as blebs < 1cm							
260				257.56-271.88 GRDR coarse grained GRDR 261.71 fracture filled with drusy qtz and calcite open space filling							
261				262.1 alteration changes from intense phyllic to intense prop							
262				and brecciated matrix ~265m							

PAGE 16 OF 18		PROJECT: OCEAN VEIN					HOLE No. 89 551				
MINERALIZATION DESCRIPTION	TOTAL SULPHIDE	INTERVAL	WIDTH	ASSAY NUMBER	% oz/ton	%	%	%	%	COMPOSITE ASSAYS	
					Au	Ag	Cu	Pb	Zn	As	
243.00 - 243.42 RY/D intense silicification with 5% py conc along chlorite veinlets, plus lg gn (TT=0.29)			0.42	18135	0.002	0.4521	0.0119	0.1657	0.2814	0.00735	Ocean Vein
243.42 - 243.77 GRDR shear zone with ~10% py, 5% gn 5% sl, ~30% qtz fragments, 70% matrix of chlorite + lg, sx (TT=0.24)			0.35	18136	0.015	0.7816	0.0284	0.1380	0.3500	0.0450	COMPOSITE ASSAY 0.0135
243.77 - 244.17 GRDR shear zone similar to 18136 except less breccia fragments and matrix is green (not black), ~5% py, 2% sl + gn (TT=0.28)			0.40	18137	0.002	0.1925	0.0084	0.0704	0.0696	>0.1000	
244.17 - 244.48 VNSX shear zone as 18136, black matrix of chl + 20% py, 10% sl, 5% gn, fragments of VNSX up to 6cm (TT=0.22)			0.31	18138	0.030	3.59	0.1047	0.4200	1.7760	>0.1000	
244.48 - 245.15 GRDR with abundant sx rich chlorite veinlets up to 3cm wide with 10% py 7% sl 3% gn			0.67	18139	0.002	0.0671	0.0029	0.0081	0.0091	0.00317	
245.15 - 245.37 GRDR? dk green chl + sx band 30" TCA			0.22	18148	0.032	2.19	0.0438	0.2765	0.5827	0.03163	TT=1.60m
245.37 - 246.37 GRDR? same as 18140			1.00	18149	<0.002	0.0321	0.0019	0.0071	0.0731	0.00098	
248.67 - 249.17 same as sample 18139 with thin bands of chl + sx 25" TCA			0.50	18140	<0.002	0.0350	0.0020	0.0054	0.0074	0.00142	
252.17 - 252.33 Gouge with grey chlorite = sx rich fragments			0.16	18141	<0.002	0.0204	0.0016	0.0060	0.0062	0.00142	
253.45 - 254.44 GRDR with siliceous bands up to 3cm wide plus coarse grained qtz fragments & space filling with assoc 10% py, 5% gn 3% sl			0.99	18142	<0.002	0.1050	0.0088	0.0265	0.0153	0.0016	

DEPTH (ME -S)	% Core Recy	LITHOLOGY	STRUCTURE	GEOLOGICAL DESCRIPTION	ALTERATION					FRACT INTENSITY	VEINLET INTENSITY
					Sil A	Prop B	Phy C	Arg D	Po E		
260											
				HOLE SUMMARY							
				89551 was drilled to							
				intersect the OCEAN VEIN at depth							
				where projected by an HLEM							
				anomaly, and to continue the							
				fence from 89550. An other							
				possible target is the extension							
				of the evening veins(s)							
270				The majority of the hole consists of							
				prop. altered GZDR with numerous							
				AND and six rhyolite units							
				NSX ZONES at 44.76-44.91,							
				49.89-50.17 m could represent the							
				evening vein(s)							
				The target OCEAN VEIN was							
				intersected at 242.01 - 242.46							
				and 244.17 - 244.46 with the HW							
				consisting of 0.12 m of grey fault							
				gauge. (Note lost core from 241.89-							
				242.01). The vein is comprised of							
				70% qtz fragments, 30% dark grey							
				matrix with ~15% py, 7% sl,							
				trace arsenopyrite and 3% gn. The FW contains							
				a high sx content until ~263m							
				mining width is from 242.01-							
				244.48 m. (2.47 m). True thickness							
				was calculated to be 1.60 m							
				Similar to 89552, a rhyolite							
				dyke was intersected after the							
				Ocean vein itself							

MOUNT SKUKUM GOLD MINING CORP.

MINERALS SECTION

DRILL LOG

PROJECT OCEAN VEIN	GROUND ELEV. 1218.28
HOLE No. 89 552	BEARING 177.65
LOCATION NORTHING 72 835.28 EASTING 80 531.29	DIP - 51.22
	TOTAL LENGTH 300.84 m (987')
LOGGED BY J. BLACK	HORIZONTAL PROJECT 196.2832
DATE JUNE 19 189	VERTICAL PROJECT - 226.96
CONTRACTOR ADVANCED DRILLING	ALTERATION SCALE
CORE SIZE BQ	
DATE STARTED JUNE 16 189	
DATE COMPLETED JUNE 23 189	
TOTAL SULPHIDE SCALE	
DIP TESTS 196' (59.74m) 50° 800' (243.84m) 49° 396' (120.70m) 49° 897' (273.41m) 47° 606' (184.71m) 45° + ignored °° cork destroyed etch	

LENGTH	AZIMUTH	DIP	HORZ	ELEV	DIST FROM BL	SECTION	SEC OFFSET	DESCRIPTION
0.00	177.65	-51.22	0.00	1218.28	261.88 N	10.0 E	2.79 E	COLLAR
29.87	177.65	-50.00	18.71	1194.99	243.19 N	10.0 E	3.56 E	DIP CHANGE
50.01	177.65	-50.00	31.65	1179.57	230.25 N	10.0 E	4.09 E	FW- EVENING VEIN
50.05	177.65	-50.00	31.68	1179.54	230.23 N	10.0 E	4.09 E	FW- EVENING VEIN
90.22	177.65	-49.00	57.50	1148.76	204.43 N	10.0 E	5.15 E	DIP CHANGE
182.27	177.65	-49.00	117.89	1079.29	144.09 N	10.0 E	7.62 E	DIP CHANGE
258.63	177.65	-47.00	167.98	1021.67	94.04 N	10.0 E	9.68 E	DIP CHANGE
270.10	177.65	-47.00	175.81	1013.27	86.22 N	10.0 E	10.00 E	FW- SCORGE
270.28	177.65	-47.00	175.93	1013.14	86.10 N	10.0 E	10.00 E	FW- SCORGE
270.28	177.65	-47.00	175.93	1013.14	86.10 N	10.0 E	10.00 E	FW- SCORGE
270.65	177.65	-47.00	176.19	1012.87	85.84 N	10.0 E	10.01 E	FW- SCORGE
270.65	177.65	-47.00	176.19	1012.87	85.84 N	10.0 E	10.01 E	FW- OCEAN VEIN
271.33	177.65	-47.00	176.65	1012.38	85.38 N	10.0 E	10.03 E	FW- OCEAN VEIN
271.33	177.65	-47.00	176.65	1012.38	85.38 N	10.0 E	10.03 E	FW- SCORGE
271.58	177.65	-47.00	176.82	1012.19	85.21 N	10.0 E	10.04 E	FW- SCORGE
271.58	177.65	-47.00	176.82	1012.19	85.21 N	10.0 E	10.04 E	FW- OCEAN VEIN
273.23	177.65	-47.00	177.94	1010.99	84.09 N	10.0 E	10.09 E	FW- OCEAN VEIN
273.23	177.65	-47.00	177.94	1010.99	84.09 N	10.0 E	10.09 E	FW- SCORGE
273.40	177.65	-47.00	178.06	1010.86	83.97 N	10.0 E	10.09 E	FW- SCORGE
300.84	0.00	0.00	196.77	990.79	65.27 N	10.0 E	10.86 E	END OF LOG

DEPTH (METERS)	% Core Recy	LITHOLOGY	STRUCTURE	GEOLOGICAL DESCRIPTION (NOTE: 1st box contaminated & moved to a new box)	ALTERATION					FRACT INTENSITY	WEIGHT INTENSITY
					Sil A	Prop B	Phy C	Arg D	Po E		
0		O/B		0 - 10.97 Overburden							
		LOST		10.97-13.10 LOST core missing 2.13m badly ground							
		9/6		13.12-13.75 misc boulders rounded (O/B?)							
		LOST		13.75-14.80 LOST 1.05 m Core missing							
		GRDR		14.80-17.21 GRDR intensely rusty, intense silicification with abundant fractures filled with fg py up to 1% of rock, patchy weak sericite, pyrolusite on occasional fracture surface							
		LOST		17.21-17.92 LOST 0.71 m missing core							
20		GRDR		17.92-23.84 GRDR same as above with an increase in sx, now fg grey sx coat fractures + fg diss py, sx conc toward the end of interval							
		LOST		21.12-24.99 intense argillic alteration with 15cm fault gouge seams at 21.71-21.76							
		RHYL		22.25-22.30, 23.79-23.84, dark grey fragments enclosed in GRDR up to 4cm RYEX?							
		LOST		23.84-24.15 LOST 0.31 m core missing							
		RHYL		24.15-24.52 RHYL tan colored with 5% bright green illite/bencite massive minor ss on fractures							
30		RHYL		24.52-24.99 GRDR as above with moderate argillic alteration minor hematite on fractures							
		GRDR		24.99-27.37 RHYL intensely rusty rhyolite, flow winding 35° TCA patchy pyrolusite on fractures sericite replaced phenocrysts							
		LOST		27.37-27.51 LOST 0.14 m core missing							
		RHYL		27.51-31.43 RHYL as above with minor GRDR fragments up to 1cm wide, and fragments of intense prop GRDR up to 5cm, moderate pyrolusite on fractures, minor carbonate veinlets							
40		GRDR		31.43-39.17 GRDR intensely rusty, intense prop begins at 32.79, thick 2mm coating of monite on fractures 30° TCA manganese on fractures towards 38m, patchy hematite							
		GRDR		37.64-37.69 38.67-38.77 brecciated zones with 20% fragments of GRDR up to 2cm and gne fragments ~5mm ~2% feldspar							
		GRDR		39.17-39.57 AN/D dark green with calcite veinlets 50° TCA							

DEPTH (ME S)	% Core Recy	LITHOLOGY	STRUCTURE	GEOLOGICAL DESCRIPTION	ALTERATION					FRACT INTENSITY	VEINLET INTENSITY	
					Si A	Prph B	Phy C	Arg D	Po E			
45				39.57-61.35 GRDR coarse grained, magnetic with pink microcryst hematite in fractures ~1% diss py and conc along fractures with chlorite veinlets								
46				48.00-48.31 dark chlorite bands 50° TCA								
47				1cm - 4cm wide plus parallel qtz veinlets up to 1cm with assoc 2% f.g py selvages								
48				3% sl 2% gn very f.g, rusty fractures								
49				50.01-50.05 4cm qtz/calcite stringer								
50				with margins of ss 10% sl, 5% gn 10% py								
				53.22-53.71 intense epidote replacing phenocrysts, minor brss calcite veinlets < 8mm								
				61.47m 3mm hematite veinlet with 5mm envelopes of epidote								
				55.79-56.13 pink medium grained aplite with chlorite blebs diss and along fractures								
				61.35-61.52 Gouge, mud seam from surface?, minor fragments of GRDR enclosed								
				61.52-65.29 GRDR same as above								
60				65.00-65.17 intense epidote in groundmass giving core a dull army green color, calcite coats fractures up to 3mm thick								
				65.17-65.29 GRDR shear zone with abundant calcite filled fractures								
				65.29-65.36 AN/D dyke like grey green AN/D? with only 5% phenocrysts in a f.g matrix								
				65.36-114.38 GRDR 70.29-70.35 intense po alteration with hematitic veinlets and up to 3% py conc in veinlets of chlorite minor leucocene								
70				72.23 ground core but not missing								
				76.66-76.68 2cm qtz calcite stringer with ~2% py diss in stringer and ~1% coarse gn, ~1% brown sl, intense sericite envelopes								
				78.62-78.66 four ~1cm stringers of qtz/calcite with 5% py, 3% sl 2% gn								
				65° TCA, 79.30-79.31 qtz calcite stringer with f.g. of calcite								

PAGE 5 OF 18			PROJECT: OCEAN VEIN		HOLE No. 89 552						
DEPTH (ME -S)	% Core Recy	LITHOLOGY	STRUCTURE	GEOLOGICAL DESCRIPTION	ALTERATION					FRACT INTENSITY	VEINLET INTENSITY
					Sil A	Prop B	Phy C	Arg D	Po E		
0				GRDR CONT minor leucocrine							
			0.36m stable	85.85-85.87 hematite veinlets with assoc epidote envelopes, Po alteration							
				88.59-88.61, 88.82-88.83, 89.96-90.10, 90.25-90.36, 90.42-90.96 aplite, AnK Po alt ⁿ mottled red colored with hematite blebs ~ 1% up to 3mm							
90				91.69-91.75 intense sheeted veinlets qtz + calcite up to a max of 1cm with 5% py 2% sl 2% gn, sx along veinlet margins 60° TCA							
				92.27-92.29 2cm white qtz calcite stringer with 2% py 1% sl 1% gn selvages							
				96.26-96.29 qtz calcite veinlet with ~10% py ~5% gn ~1% CP, ~1% sl crosscut by later white calcite veinlets 30° TCA							
				100.12-100.16 chlorite veinlets 55° TCA with ~5% py ~3% gn ~1% sl along fractures							
100		GRDR		100.16-106.22 GRDR with up to 20 chlorite veinlets per meter, ~1% py diss throughout as 2mm subhedral and patches of Po alt ⁿ , minor conc. of py along fractures up to 3%							
				106.22-106.49 intense phyllic altered GRDR with 6 qtz calcite veinlets up to 1cm wide with ~5% py along selvages plus diss in blebs up to 7mm wide 2% gn along selvages + diss, 2% sl							
110				111.12-111.13 1cm calcite qtz veinlet with 2% py along margins plus 1 cm bleb within the veinlet, 1% gn + sl diss along selvages							
				114.38-114.60 LOST 0.22m core missing							
		GRDR		114.60-117.43 GRDR same as above with ground core at 116.40-116.43m (no loss)							
				117.43-117.65 LOST 0.22m core missing, ground core							
		GRDR		117.65-127.61 GRDR as above with at ~119m intense phyllic altered skels							
120				120.28-120.31 3cm qtz calcite veinlet							

DEPTH (METRES)	% Core Recy	LITHOLOGY	STRUCTURE	GEOLOGICAL DESCRIPTION	ALTERATION					FRACT INTENSITY	VEINLET INTENSITY
					Sil A	Prop B	Phy C	Arg D	Po E		
120				117.65-129.61 GRDR cont							
				124.69-125.30 light pink Po altered							
				GRDR with sericite replacing phenocrysts							
				126.80-126.89 same as above with 1cm							
125				blebs of py with chlorite along fractures							
				127.37-127.53 shear zone with convoluted							
				chlorite veinlets and minor clay on fractures							
				128.13-128.22 argillically altered GRDR							
				128.93 ground core (no loss)							
130				129.61-130.29 AN/D dark green with calcite blebs							
				GRDR fragments enclosed within up to 8cm							
				130.29-130.46 GRDR Po altered with minor leucocene							
				130.46-130.82 AN/D as above							
				130.82-153.24 GRDR same as above with minor							
				hematite in fractures, AN/D fragments							
				enclosed (< 3cm)							
				134.42 ground core (no loss)							
				135.03-136.27 argillically, myllie GRDR							
140				136.54-139.18 intense silicification, light							
				pink color with abundant leucocene, patchy							
				chlorite with assoc ~1% f.g. clss py, hematite							
				blebs at the Fracture							
				143.48-147.09 finer grained phase							
				of GRDR with patchy Po alteration,							
145				hematite replacing phenocrysts in patches							
				along fractures							
				153.24-153.43 RY/D light pale green with ~1% clss py							
				assoc with chlorite veinlets							
150				153.43-153.88 GRDR clay rich with chlorite + f.g.							
				grey ss on fractures plus intense phyllic							
				alteration							
				153.88-161.79 RY/D as above with minor brecciation							
				btwn 154.16-154.29 where fragments are							
				enclosed by chlorite veinlets with ~1% f.g. py							
				rhynolite contains ~5% glc eyes 2mm wide,							
				fractures are coated with calcite over							
				light clear green sericite plus diss ss-py							
				increases down hole + 2% calcite blebs 4cm, 16cm							
				157.90-158.00 Four lined Fractures 46°C							
160				with 1cm calcite coating							

MINERALIZATION DESCRIPTION	TOTAL SULPHIDE	INTERVAL	WIDTH	ASSAY NUMBER	%	%	%	Pb	Zn	COMPOSITE ASSAYS	
					Au	Ag	Cu			As	
250.89-251.22 GRDR			0.33	18155	<0.002	0.1779	0.0138	0.0101	0.0091	0.0033	
intense silicification with an irregular py blb 3 by 4 cm at 251.04 m, f.g. py cliss throughout ~1%, trace cp											
254.07-254.97 GRDR			0.90	18156	<0.002	0.0671	0.0078	0.0019	0.0024	0.00098	
intense silicification with 3% cliss py as euhedral blbs, 1% f.g. qn concentrated with py along fractures											
257.15-257.48 GRDR with 40% grey chlorite plus sx in fractures, 2% py cliss, minor shear zone			0.33	18157	<0.002	0.1021	0.0072	0.0387	0.0428	0.00423	
261.36-261.76 GRDR breccia with ~30% fragments in a grey chlorite = sx matrix, ~1% py cliss throughout, minor gouge on fractures			0.40	18158	0.012	0.6067	0.0150	0.1587	0.3080	>0.1000	
262.36-262.78 GRDR breccia as 18158 with fragments of gt z as well as GRDR, ~2% py as euhedral blbs			0.42	18159	0.007	0.6553	0.0149	0.0806	0.1354	>0.1000	
268.37-269.37 GRDR with f.g. sx and ~3% visible py cliss throughout			1.00	18175	0.001	0.02	0.005	0.006	0.005	0.0016	

DEPTH (ME S)	% Core Recy	LITHOLOGY	STRUCTURE	GEOLOGICAL DESCRIPTION	ALTERATION					FRACT INTENSITY	VEINLET INTENSITY
					Si A	Prop B	Phy C	Arg D	Po E		
270		GRDR	GOUGE	270.10-270.28 GOUGE light grey clay gouge with							
271		VNSX		bands of dark grey chl ± sx, minor fragments							
272		LOST		270.28-270.65 GRDR brecciated with 40% qtz							
273		VNSX		fragments in a phyllic light green matrix							
274		VNSX		with patchy py conc up to 3% along fractures							
275		GRDR		270.65-271.33 VNSX (OCEAN VEIN) 50-60% qtz							
276		GRDR		fragments up to 3cm wide in a dark grey							
277		RYID		sx rich chl matrix (50-40%) HW contact							
278		GRDR		consists of a 5cm zone of 40% py, 5% gn, 5% sl							
279		GRDR		271.33-271.58 LOST 0.25cm missing core (ground core)							
280		GRDR		271.58-273.23 VNSX (OCEAN VEIN) as above							
281		GRDR		with 70-80% qtz fragments with sx							
282		GRDR		concentrated in patches of 10% py, 5% An							
283		GRDR		10% sl 5% gn, sheared fragments of							
284		GRDR		GRDR are enclosed within (max 4cm)							
285		GRDR		273.23-273.40 GOUGE grey clay gouge with 30% GRDR frag							
286		GRDR		273.40-274.48 GRDR sheared granodiorite, weakly phyllic							
287		GRDR		presenting silicified clasts, ~2% py diss							
288		GRDR		274.48-274.98 RYID tan to army green rhyolite with							
289		GRDR		5% py, 3% sl 5% gn in veins							
290		GRDR		plus bright green white sericite blks,							
291		GRDR		minor gouge on fractures							
292		GRDR		274.98-277.27 GRDR same as above							
293		GRDR		277.27-284.56 RYID intensely silicified, fractured							
294		GRDR		giving brecciated look for HW to 278,							
295		GRDR		1% diss py, core broken into pieces							
296		GRDR		~2cm wide, towards end of							
297		GRDR		interval RYID becomes more tan							
298		GRDR		color (less phyllic alteration) with							
299		GRDR		dark grey bands 20°C A							
300		GRDR		284.56-285.00 GRDR intense prop granodiorite							
301		GRDR		with < 1% diss py							
302		GRDR		285.00-285.23 ANID dark green with abundant							
303		GRDR		hairline calcite veinlets plus hematite,							
304		GRDR		~10% py diss throughout							
305		GRDR		285.23-300.84 GRDR same as above, core is							
306		GRDR		low magnetic (fresh looking)							
307		GRDR		285.23-286.17 intense phyllic							
308		GRDR		moderate silicification, bleaching							
309		GRDR		core abundant hairline calcite veinlets							

MINERALIZATION DESCRIPTION	TOTAL SULPHIDE	INTERVAL	WIDTH	ASSAY NUMBER	%	%	%	COMPOSITE ASSAYS		
					Au	Ag	Cu	Pb	Zn	As
269.37-269.45 GRDR shear zone with brecciated zones of 20% fragments in a black-grey sx matrix of 3% py 2% gn			0.13	18160	<0.002	0.0321	0.0022	0.0051	0.0026	0.00412
269.45-270.10 GRDR silicified with abundant chlorite veinlets filled with fg grey sx in a phyllic altered GRDR			0.65	18161	<0.002	0.0233	0.0054	0.0027	0.0003	0.0016
270.10-270.28 Gouge grey clay gouge with bands of fg sx plus chlorite		(TT=	0.18	18162	0.002	0.2187	0.0074	0.0370	0.0654	0.0140
270.28-270.65 GRDR brecciated with 40% qtz fragments, 3% py diss throughout		(TT=	0.37	18163	<0.002	0.0992	0.0041	0.0429	0.0883	0.0160
270.65-271.33 VNSX OCEAN VEIN 50-60% qtz 50-40% matrix of chl + sx with py > sl > gn up to 40% visible sx fragments of GRDR enclosed (3cm wide) trace visible arsenopyrite		(TT=	0.68	18164	0.047	1.49	0.0549	0.4431	0.8010	>0.1000
271.58-272.13 VNSX OCEAN VEIN as 18164 with sx conc more in bands and patches 70-80% qtz 30-20% chl + sx of sx visible 10% py 10% sl 5% gn, 5% arsenopyrite *		(TT=	0.55	18165	0.032	13.47	0.3750	0.6433	1.5529	>0.1000
272.13-272.68 VNSX OCEAN VEIN as 18165 with minor sheared GRDR, pyroclasts without visible arsenopyrite		(TT=	0.55	18166	0.053	3.65	0.1100	0.8600	1.7950	>0.1000
272.68-273.23 VNSX OCEAN VEIN as 18166, less sx in bands - more in matrix		(TT=	0.55	18167	0.011	1.78	0.0706	0.1479	1.4873	>0.1000
273.23-273.40 Gouge grey clay gouge with 30% GRDR fragments, fg sx		(TT=	0.17	18168	0.005	0.2042	0.0090	0.0588	0.0963	>0.1000
273.40-273.94 GRDR Fin ocean vein, sheared GRDR ~ 2% py diss, trace gn			0.54	18169	<0.002	0.1079	0.0045	0.0097	0.0136	0.0410
273.94-274.48 GRDR same as 18169, more silicification			0.54	18170	<0.002	0.3179	0.0075	0.0570	0.1124	0.0052
274.48-274.97 RYID lincolor with 5% py 3% sl 3% gn in veinlets			0.49	18171	<0.002	0.1837	0.0088	0.1601	0.1476	0.02596
274.97-275.97 GRDR mod-intense silicification, ~2% diss py, fg grey sx on fractures			1.00	18172	0.001	0.04	0.002	0.01	0.008	0.0012

[illegible]

MOUNT SKUKUM GOLD MINING CORP.

MINERALS SECTION

DRILL LOG

PROJECT	OCEAN VEIN	GROUND ELEV.	1218.0 m
HOLE No.	89 555	BEARING	180°
LOCATION	NORTHING 72 834.55 EASTING 80 530.38	DIP	-54 59°
LOGGED BY	J. BLACK	TOTAL LENGTH	283 16
DATE	JULY 15 189	HORIZONTAL PROJECT	193.9696
CONTRACTOR	ADVANCED DRILLING	VERTICAL PROJECT	-204 7407
CORE SIZE	BQ	ALTERATION SCALE	
DATE STARTED	JULY 13 189	TOTAL SULPHIDE SCALE	
DATE COMPLETED	JULY 18 189		
DIP TESTS	206' (62.79) 52° 606' (184.71) 44° 406' (123.75) 47° 796' (242.62) 40° 920' (280.42) 39½°		
COMMENTS	Hole shallowed by 15" from collar to end of hole		

DDH No. 89-555
 NORTHING... 72834.550
 EASTING.... 80530.380
 ELEVATION... 1218
 BASELINE... OCEAN000
 TOTAL HORZ 193.9696
 TOTAL VERT -204.7407

LONGITUDINAL PLOT									
PLAN PLOT									
SECTION PLOT									
LENGTH	AZIMUTH	DIP	HORZ	ELEV	DIST FROM BL	SECTION	SEC OFFSET	DESCRIPTION	
0.00	180.00	-54.59	0.00	1218.00	261.15	N	10.0	E	COLLAR
0.00	180.00	-54.59	0.00	1218.00	261.15	N	10.0	E	
31.40	180.00	-52.00	18.19	1192.41	242.96	N	10.0	E	DIP CHANGE
44.21	180.00	-52.00	25.08	1182.31	235.07	N	10.0	E	BW-EVENING VEIN
44.43	180.00	-52.00	26.22	1182.14	234.93	N	10.0	E	BW-EVENING VEIN
48.78	180.00	-52.00	28.39	1178.71	232.36	N	10.0	E	BW-EVENING VEIN
48.86	180.00	-52.00	28.94	1178.65	232.21	N	10.0	E	BW-EVENING VEIN
50.53	180.00	-52.00	29.97	1177.33	231.18	N	10.0	E	BW-EVENING VEIN
50.60	180.00	-52.00	30.01	1177.28	231.14	N	10.0	E	BW-EVENING VEIN
93.27	180.00	-47.00	56.28	1143.65	204.87	N	10.0	E	DIP CHANGE
154.23	180.00	-44.00	97.85	1099.07	163.29	N	10.0	E	DIP CHANGE
213.67	180.00	-40.00	140.41	1057.78	120.54	N	10.0	E	DIP CHANGE
256.11	180.00	-40.00	173.13	1030.50	88.02	N	10.0	E	BW-VMSZ OCEAN VEIN
256.21	180.00	-40.00	173.20	1030.44	87.95	N	10.0	E	BW-VMSZ OCEAN VEIN
256.31	180.00	-40.00	173.28	1030.37	87.87	N	10.0	E	BW-VMSZ OCEAN VEIN
256.68	180.00	-40.00	173.56	1030.13	87.59	N	10.0	E	BW-VMSZ OCEAN VEIN
256.68	180.00	-40.00	173.56	1030.13	87.59	N	10.0	E	BW-VMSZ OCEAN VEIN
257.02	180.00	-40.00	173.82	1029.92	87.33	N	10.0	E	BW-VMSZ OCEAN VEIN
257.02	180.00	-40.00	173.82	1029.92	87.33	N	10.0	E	BW-VMSZ OCEAN VEIN
261.52	180.00	-39.50	177.27	1027.02	83.88	N	10.0	E	DIP CHANGE
267.70	180.00	-39.50	182.04	1023.09	79.11	N	10.0	E	BW-VMSZ OCEAN VEIN
267.70	180.00	-39.50	182.04	1023.09	79.11	N	10.0	E	BW-VMSZ OCEAN VEIN
268.20	180.00	-39.50	182.43	1022.77	78.72	N	10.0	E	BW-VMSZ OCEAN VEIN
268.20	180.00	-39.50	182.43	1022.77	78.72	N	10.0	E	BW-VMSZ OCEAN VEIN
268.44	180.00	-39.50	182.61	1022.62	78.54	N	10.0	E	BW-VMSZ OCEAN VEIN
268.44	180.00	-39.50	182.61	1022.62	78.54	N	10.0	E	BW-VMSZ OCEAN VEIN
269.44	180.00	-39.50	183.18	1021.99	77.77	N	10.0	E	BW-VMSZ OCEAN VEIN
269.44	180.00	-39.50	183.18	1021.99	77.77	N	10.0	E	BW-VMSZ OCEAN VEIN
269.74	180.00	-39.50	183.61	1021.80	77.54	N	10.0	E	BW-VMSZ OCEAN VEIN
269.74	180.00	-39.50	183.61	1021.80	77.54	N	10.0	E	BW-VMSZ OCEAN VEIN
269.90	180.00	-39.50	183.74	1021.69	77.41	N	10.0	E	BW-VMSZ OCEAN VEIN
283.15	0.00	0.00	193.97	1017.24	67.18	N	10.0	E	END OF HOLE

PAGE 1 OF 18			PROJECT: OCEAN VEIN					HOLE No. 89.555				
DEPTH (ME' 3)	% Core Recy	LITHOLOGY	STRUCTURE	GEOLOGICAL DESCRIPTION		ALTERATION					FRACT INTENSITY	VEINLET INTENSITY
						Sil A	Prop B	Phy C	Arg D	Po E		
0				0-18.90	OIB							
				18.90-19.12	GRDR moderately silicified granodiorite with rusty fractures and pyroxene throughout							
10				19.12-19.26	GOUGE buff tan to yellow clay gouge with up to 5% GRDR fragments ~8mm wide							
				19.26-20.22	GRDR same as above, local chl veinlets							
				20.22-20.73	RYID tan colored with 5% bright green sericite/diss throughout, rusty fractures with weak argillic alteration, 3% anhedral py fine grained in local veinlets with f.g. sx/chl							
20				20.73-21.73	GRDR same as above with patches of intense silicification and btwn 20.73-20.91 local chlorite veinlets ± f.g. sx with 1% f.g. py at 30° TCA, minor brecciation with chl matrix							
				21.73-21.95	GOUGE steel grey gouge with <5% 2mm fragments of GRDR, HW 50° TCA, trace py							
25				21.95-25.33	GRDR same as above, 21.95-22.12 intense silicification with grey chlorite ± f.g. sx veinlets at random orientations with 1% diss py							
30				22.12-25.33	mottled looking core with weak to moderate argillic alteration with local grey chl / ± sx veinlets ~4/m and with increasing sericite downhole							
				25.33-25.61	RYID same as above with 5% dark green sericite / white blebs up to 3mm wide, minor discontinuous calcite veinlets, no limonite							
				25.61-27.70	GRDR same as 22.12-25.33 with local RYID fragments btwn 25.86-25.92, 26.11-26.17							
35				27.70-32.62	RYID light grey flow banded 30-40° TCA with rusty limonitic fractures and bands crosscutting flow banding, local brecciation with 1cm RYID frags ~2% calcite blebs plus veinlets up to 2mm							
				32.62-33.78	GRDR rusty somewhat sheared looking core with convoluted calcite veinlets up to 3mm as well as dark grey (Andesite?) fragments up to 9cm with chill margins up to 3cm							
40				33.78-34.41	ANID black green grainy andesite with a thin calcite zone							

PAGE 2 OF 18		PROJECT: OCEAN VEIN					HOLE No. 89555				
MINERALIZATION DESCRIPTION	TOTAL SULPHIDE	INTERVAL	WIDTH	ASSAY NUMBER	% oz/ton Au	% Ag	% Cu	% Pb	% Zn	COMPOSITE % ASSAYS As	
19.12-19.26 GOUGE limonite buff colored clay gouge with 5% GRDR fragments, indistinct contacts			0.14	18209	0.0003	0.04	1.0037	0.0211	0.0570	0.0170	
20.22-20.73 RYID tan colored with 5% bright green sericite/lillite diss, 3% f.g. subhedral py cubes in local chlorite ± f.g. sx bands			0.51	18210	10.0002	0.03	0.0048	0.0220	0.0232	0.0240	
20.73-21.73 GRDR patchy intense silicification with local chlorite f.g. sx veinlets (up to 7/m) and 1% f.g. diss pyrite			1.0	18211	0.0006	0.04	0.0044	0.0044	0.0068	0.0110	
21.73-21.95 GOUGE grey colored with veinlets of chlorite plus f.g. sx, trace py, 1% GRDR fragments			0.22	18212	0.0006	0.03	0.0011	0.0030	0.0058	0.0210	
21.95-22.12 GRDR intense silicification with local chlorite ± f.g. sx veinlets randomly oriented, 1% f.g. diss py			0.17	18213	10.0002	0.05	0.0027	0.0146	0.0155	0.0240	
27.24-27.62 GRDR with local clay gouge up to 8cm with a grey matrix of chlorite ± sx and 1% f.g. subhedral py cubes			0.38	18214	0.0002	0.05	0.0025	0.0130	0.0152	0.0230	
35.36-35.89 GRDR with 3 cm qtz + f.g. sx as well as 2% f.g. diss py in rusty blocky core, evening vein?			0.53	18215	0.167	1.24	0.0317	0.7440	2.9605	0.5260	

[illegible]

DF 1 (METERS)	% Core Recy	LITHOLOGY	STRUCTURE	GEOLOGICAL DESCRIPTION	ALTERATION					FRACT INTENSITY	VEINLET INTENSITY
					Sil A	Prop B	Phy C	Arg D	Po E		
180				169.10-201.32 GRDR cont bleached core weak-moderate phyllitic alteration with hematite blebs btwn 180.21-182.36m upto 6mm diss.							
				183.91-183.99 8cm AN/D same as above							
185				185.25-185.28 chlorite stringer with minor qtz blebs and trace epidote							
				blocky core btwn 185.32-192.50 with rare grey chlorite = f.g.sx on fractures, and patchy potassic alteration as well as local silicification up to 15cm wide, diss hematite							
190				193.57-193.58 qtz calcite stringer with 1% f.g. py diss along selanges, 194.52-194.53 clear qtz veinlet with local diss hematite, 194.89-194.93 intense silicification with two veinlets 45° TCA of f.g.sx; 1% dispy							
195				195.12-195.13 qtz (with minor calcite) veinlet 40° TCA with 1% f.g. py and po altered envelopes							
				195.57-195.58 1cm qtz stringer with 30% py and f.g. py and sx on fractures; 198.35- 198.39 AN/D same as above andesite dyke,							
200				199.32-199.33 qtz veinlet 35° TCA with 15% py							
				201.32-201.58 AN/D same as above, 2% diss py, minor calcite HW contact sheared and gradational							
205				201.58-202.56 GRDR fresher looking granodiorite, with distinct Kspars, 201.71-201.93 pink aplite							
				202.56-203.03 AN/D same as above with local hematite on dyke margins, encloses 1.23cm grdr fragment							
210				203.03-203.18 GRDR same as above minor Po alteration							
				203.18-203.92 AN/D same as above, minor calcite/hematite veinlets contains a 9cm GRDR fragment btwn 203.50-203.59							
215				203.92-215.22 GRDR fresher yet granodiorite, minor calcite veinlets at random orientations, sheared GRDR btwn 206.60-206.76 HW 65° TCA with 10% clay gouge, Gouge btwn 208.29-208.36							
220				215.22-215.59 AN/D same as above 10% diss calcite blebs							
				215.59-225.89 GRDR moderate-intense prop, patchy po alt 215.59-215.85, 217.40-217.99 aplite							
				219.02-219.11 moderately silicified with f.g. chlorite plus sx upto 2%, 1% f.g. diss py along selanges, veinlets 65° TCA							

220	DF H (ME...S)	% Core Recy	LITHOLOGY	STRUCTURE	GEOLOGICAL DESCRIPTION	ALTERATION					FRACT INTENSITY	VEINLET INTENSITY
						Sil A	Prop B	Phy C	Arg D	Po E		
220					215.59-225.89 GRDR conv-T minor leucokene diss throughout 1% diss f.g. py with local zones up to 3% btwn 219.60-219.64, 225.56-225.63, aplite at 222.41-222.73 with indistinct HW & FW contacts 225.51, 225.60 two sheared calcite/qtz veinlets up to 3mm with 1% diss py, 50° TCA							
225				GRDR	225.89-229.56 AN/D dark-army green HW 75° TCA, red hematite on fracture surfaces with 2mm coating of calcite, dyke is coarser in the center of the dyke compared to the f.g. margins, looks mottled							
230				GRDR	229.56-229.91 GRDR bleached limonitic with rare py veinlets							
				GRDR	229.91-231.48 AN/D same as above with numerous hairline calcite veinlets with associated 1% py, trace hematite							
				AN/D	231.48-232.00 GRDR same as above with patchy Po alteration							
235				GRDR	232.00-232.94 AN/D same as above with 2% euhedral py btwn 232.79-232.94, FW 60° TCA hematite on contact							
				GRDR	232.94-241.85 GRDR same as above grading back into fresh granodiorite at 232.56m, patchy Po alteration near HW of interval							
240				GRDR	238.85-238.87 stz calcite str with 2% clay gouge, 1% py							
				AN/D	241.56-241.85 sheared GRDR with 3% diss py and btwn 241.64-241.66 a calcite/qtz veinlet 45° TCA, weak argillic alteration							
245				GRDR	241.85-242.12 AN/D same as above with 8 hairline calcite veinlets and blebs up to 6mm throughout							
				GRDR	242.12-251.11 GRDR same as above with an andesite dyke btwn 242.31-242.38; minor hematite replacing phenocrysts, local bleaching, AN/D btwn 248.19-248.26, granodiorite becomes phyllically altered at 249.75m, Ksp, indistinct now							
250				GRDR	251.68-251.85 zone with 20% VN/SX fragments fragments contains 20% py, 30% sil, 5% gn in intensely silicified and argillic altered grdr with f.g. sx on fractures, interval							
255				GRDR	252.49-252.84 is the same as 251.68-251.85 3% py diss throughout; 254.70-255.20 GRDR sheared with convoluted chlorite ± f.g. sx veinlets btwn 254.92-255.03, shearing 50° TCA; 256.00 256.03 gouge, abundant f.g. sx veinlets							
260				GRDR	256.11-256.21 VN/SX (Ocean vein) brecciated with 60%							

OCEAN
VEIN
FRAGMENTS
UP TO 20%OCEAN VEIN
GRDR
VN/SX
AN/SX

PAGE 14 OF 18		PROJECT: OCEAN VEIN					HOLE No. 89 555				
MINERALIZATION DESCRIPTION	TOTAL SULPHIDE	INTERVAL	WIDTH	ASSAY NUMBER	% oz/ton	%	%	%	%	COMPOSITE % ASSAYS	
					Au	Ag	Cu	Pb	Zn	As	
251.68-251.85 GRDR with 20% VNSX Fragments containing 20% py 30% sl 5% gn granodiorite contains fractures lined with f.g grey chlorite plus sx			0.17	18222	0.011	14.42	0.2110	1.9040	1.2410	0.3850	↑
251.85-252.49 GRDR intense phyllic and silicification 3% cliss py as well as abundant fractures of f.g chl/sx 60° FCA			0.64	18223	0.0013	0.32	0.0043	0.0306	0.0463	0.2630	
252.49-252.84 GRDR sheared with 20% VNSX fragments, 5% gouge, VNSX fragments 20% py 30% sl 5% gn			0.35	18224	0.006	6.04	0.1033	1.8620	9.1810	0.2940	
252.84-253.79 GRDR same as # 18223			0.95	18225	0.0014	0.08	0.0046	0.0055	0.0084	0.0100	
253.79-254.70 GRDR same as # 18225			0.91	18226	0.0010	0.04	0.0028	0.0081	0.0083	0.0250	
254.70-255.20 GRDR same as # 18226 with a sheared portion btwn 254.92-255.03 50° FCA			0.28	18227	0.0010	0.04	0.0088	0.0118	0.0214	0.0090	
255.20-256.11 GRDR same as # 18227 with gouge btwn 256.00-256.03m			0.91	18228	0.0020	0.03	0.0075	0.0149	0.0198	0.0440	
256.11-256.21 VNSX (OCEAN VEIN) brecciated with 60% qtz fragments, 40% chlorite + sx; 15% py 15% sl, 5% gn and 2% GRDR fragments up to 1cm			0.10	18229	0.010	5.17	0.1174	0.4362	0.9265	0.2380	↑
256.21-256.31 GRDR same as # 18228 2% clay gouge coating fractures			0.10	18230	0.0014	0.08	0.0103	0.0636	0.0839	0.0590	OCEAN VEIN INTERSECTION WITH GRDR
256.31-256.68 VNSX (OCEAN VEIN) brecciated with 70% qtz fragments, 30% sl plus 15% py 10% sl 5% gn trace arsenopyrite, FW contact 70° FCA			0.37	18231	0.010	7.26	0.0139	0.5768	1.5710	0.3340	0.008, 5.63 / 0.46 TT
256.68-257.02 RHBX intense phyllic and silicification with f.g chl + sx as a matrix for (5% matrix)			0.34	18232	0.0016	0.06	0.0022	0.0199	0.0409	0.1250	↓

[illegible]

PAGE 16 OF 18		PROJECT: OCEAN VEIN					HOLE No. 89555				
MINERALIZATION DESCRIPTION		TOTAL SULPHIDE	INTERVAL	WIDTH	ASSAY NUMBER	% oz/ton Au	% Ag	% Cu	% Pb	% Zn	COMPOSITE % ASSAYS As
257.02-257.15 GRDR sheared with abundant gray chl+sx veinlets sheeted at 75° TCA				0.13	18233	0.038	2.21	0.0785	0.5257	1.2480	0.6480
257.15 - 258.15 GRDR same as #18230				1.00	18234	0.0015	0.09	0.0088	0.0276	0.0378	0.0170
258.15-259.15 GRDR same as #18234 2% clay gouge btwn 258.96-258.99m				1.00	18235	0.0016	0.02	0.0081	0.0376	0.0461	0.0340
259.15 - 260.15 GRDR brecciated with 10% qtz fragments, 3% diss py				1.00	18236	0.0010	<0.01	0.0032	0.0092	0.0149	0.0130
260.15 - 261.05 GRDR same as #18235				0.90	18237	0.0008	0.02	0.0084	0.0149	0.0181	0.0090
261.05 - 262.05 GRDR same as #18237 minor leucoxene throughout				1.00	18238	0.0010	0.36	0.0041	0.0022	0.0049	0.0250
262.05 - 262.84 GRDR same as #18238				0.80	18239	0.0007	<0.01	0.0044	0.0022	0.0052	0.0250
262.84 - 263.44 GRDR same as #18239				0.60	18240	0.0009	0.07	0.0083	0.0256	0.0267	0.0050
263.44 - 264.44 GRDR same as #18240, 5% py				1.00	18241	0.0014	0.01	0.0058	0.0136	0.0131	0.0480
264.44 - 265.33 GRDR same as #18240 with 3% diss py, blocky core				0.89	18242	0.0009	0.06	0.0085	0.0053	0.0069	0.0120
265.33 - 266.06 GRDR same as #18242 with 2% diss py				0.73	18243	0.0012	0.01	0.0038	0.0020	0.0024	0.0240
266.06 - 266.68 GRDR same as #18242				0.62	18244	0.0008	<0.01	0.0043	0.0069	0.0100	0.0490
266.68 - 267.70 GRDR HW to Ocean Vein, 5% diss py				1.02	18245	0.0009	0.04	0.0063	0.0026	0.0044	0.0230
267.70 - 268.20 VNSX (OCEAN VEIN) with 30% clay gouge, 70% VNSX, 60% qtz fragments, 40% chlorite plus sx: 15% py, 10% sl, 5% gr ≤ 1% arsenopyrite				0.50	18246	0.0392	1.17	0.0462	0.1546	0.3199	1.0610

T-T 14.33m
0.0012, 0.7297 / 14.33m
OCEAN VEIN INTERSECTIONS WITH GRDR

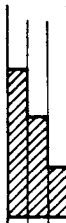
0.023, 0.49 / 1.54 m
OCEAN VEIN PROPERTIES

PAGE		OF		PROJECT: OCEAN VEIN					HOLE No. 89555				
D ^r TH (M.E., ES)	% Core Recy	LITHOLOGY	STRUCTURE	GEOLOGICAL DESCRIPTION	ALTERATION					FRACT INTENSITY			
					A	B	C	D	E				
				HOLE SUMMARY									
				89555 was drilled to intersect the Ocean vein ~ 25m below 89552 ocean vein intersection and to test the intersection width at depth. The hole shallowed by 15° by the end of the hole and the ocean vein was intersected 15m in elevation above 89552.									
				The hole is very similar to 89552 except that the vein itself is split into 6 segments, separated by GDR with intense phyllic and intense silicification alteration plus numerous chlorite & f.g. sx veinlets. Ocean vein fragments occur btwn 251.68-251.85 and 252.49-252.84 VNSX ocean vein proper is btwn 256.11-256.21, 256.31-256.68, 267.70-268.20, 268.44-269.24, 269.74-269.90. The vein is composed of ~70% qtz fragments in 30% dark gray matrix of chlorite + sx. An average of 15% py, 10% sl, 5% gn and trace arsenopyrite is common. The true thickness of the ocean vein (including all VNSX fragments plus GDR btwn) is 0.004, 0.73/14.33m. Just the ocean vein btwn 267.70-269.90m (including Gouge and 30cm LOST) is 0.023, 0.49/1.54m true thickness.									

MOUNT SKUKUM GOLD MINING CORP.

MINERALS SECTION

DRILL LOG

PROJECT OCEAN VEIN	GROUND ELEV. 1153.32
HOLE No. DDH 89-560	BEARING Az = 178.77°
LOCATION NORTHING 72794.84 EASTING 80624.53	DIP -59.85°
LOGGED BY K. Boychuk	TOTAL LENGTH 121.31 m (398')
DATE Aug 16/89	HORIZONTAL PROJECT 64,483.5 m
CONTRACTOR Advanced Drilling	VERTICAL PROJECT -102.70 m
CORE SIZE BQ	ALTERATION SCALE  absent slight moderate intense
DATE STARTED Aug 16/89	TOTAL SULPHIDE SCALE  traces only < 1% 1% - 3% 3% - 10% > 10%
DATE COMPLETED Aug 21/89	
DIP TESTS 206' (62.79m) = 58° 396' (121.31m) = 55.5°	
COMMENTS Hole was abandoned when rods broke at 398'. An attempt to ream the hole also proved to be unsuccessful. Therefore, another hole was started nearby but the casing broke at 60'. Hole 561 was then drilled between 560 and the broken-casing hole.	LEGEND DDH No..... 89-560 NORTHING... 72794.840 EASTING.... 80624.530 ELEVATION.. 1153.32 BASELINE... OCEAN000 TOTAL HORZ 64,483.5 TOTAL VERT -102.7

----- LONGITUDINAL PLOT -----										TOTAL VEIN		-102-	
----- PLAN PLOT -----				----- SECTION PLOT -----									
V		V		V		V		V		V		V	
LENGTH	AZIMUTH	DIP	HORZ	ELEV	DIST FROM BL	SECTION	SEC OFFSET	DESCRIPTION					
0.00	178.77	-59.85	0.00	1153.32	221.44	N	14.0	E	3.97	W			COLLAR
31.40	178.77	-58.00	15.77	1126.17	205.68	N	14.0	E	3.63	W			DIP CHANGE
33.99	178.77	-58.00	17.14	1123.97	204.30	N	14.0	E	3.60	W			FW-GOUGE
35.47	178.77	-58.00	17.93	1122.72	203.53	N	14.0	E	3.59	W			FW-GOUGE
43.60	178.77	-58.00	22.24	1115.82	199.21	N	14.0	E	3.49	W			FW-REVENING VEIN
43.70	178.77	-58.00	22.29	1115.74	199.16	N	14.0	E	3.49	W			FW-REVENING VEIN
92.05	178.77	-55.50	47.91	1074.73	173.54	N	14.0	E	2.94	W			DIP CHANGE
121.31	0.00	0.00	64.48	1050.62	155.97	N	14.0	E	2.59	W			END OF HOLE

DEPTH (M :S)	% Core Recy	LITHOLOGY	STRUCTURE	GEOLOGICAL DESCRIPTION	ALTERATION					FRACT INTENSITY	VEINLET INTENSITY	
					Sil A	Prop B	Plu C	Arg D	Py E			
25				0.00 - 24.38m Casing (overburden)								
				24.38 - 25.91m Overburden to bedrock?								
				25.91 - 28.14 RY/D light green rhyolite dyke, pyroxenite forming in fractures in dendritic patterns, up to 2mm wide phenocrysts of qtz with surrounding milky-white halos, up to 1% diss. pyrite								
				28.14 - 28.81 LOST core (ground) 0.57m								
				28.81 - 29.20 RY/D, same as above								
				29.20 - 30.10 LOST core 0.90m (ground)								
30				30.10 - 32.27 RY/D, same as above except lack of pyroxenite in fractures,								
				32.27 - 32.31 GOUGE, medium gray gouge, contains GRDC frags up to 14mm wide.								
				32.31 - 33.20 GRDR local limonite stained granodiorite, argillic alteration throughout, moderately fractured, local moderate silicification with qtz blebs 25mm wide.								
				33.20 - 33.99 RHYL dark gray fine-grained rhyolite breccia, contains 10% phenocrysts up to 4mm wide, some argillic alteration, moderately fractured.								
				33.99 - 35.46 GOUGE, green-gray gouge, 10% rhyolite frags.								
				35.46 - 39.94 RY/D light-green, fine-grained rhyolite with up to 5% qtz and 3% plag phenocrysts, plag is saussuritized; locally iron stained, up to 1% diss. pyrite.								
				35.48 - 35.76 rhyolite with intense zones of limonite staining and pyroxenite forming in fractures, bands up to 11cm wide.								
				35.89 - 35.98 clay alteration around rhyolite, large chunks of rhyolite up to 4cm.								
				39.94 - 43.60 GRDR coarse-grained granodiorite contains abundant xenite after plag, up to 7mm wide, local limonite staining along fractures, concentrated pyrite along veinlets up to 3 cm wide, local qtz veinlets up to 1cm wide, up to 2% diss. pyrite throughout GRDR, intense phyllic alteration.								
40												
45												

PAGE 7 OF 11			PROJECT: OCEAN VEIN		HOLE No. 89-560						
DEPTH (ME S)	% Core Recy	LITHOLOGY	STRUCTURE	GEOLOGICAL DESCRIPTION	ALTERATION					FRACT INTENSITY	VEINLET INTENSITY
					Si1 A	Prop B	Plu C	Arg D	Pa E		
90		GRDR		81.80 - 88.27 GRDR cont.							
				85.70 - 86.40, 86.73 - 88.21 light creamy-green sericite phenocrysts prominent, large 6cm wide brecciated chunk of dark-green andesite from 87.86 - 87.92.							
				87.71 - 87.88 very potassic-rich zone with large 1.3cm gtz bleb, 1% diss. pyrite.							
				88.27 - 90.10 LOST core, mismatch of 1.83 m.							
				90.10 - 94.79 GRDR, same as above							
95		LOST		90.85 - 91.60 biotite, up to 2mm wide, comprises 5% of the mafic minerals, up to 3% diss. biotite throughout interval.							
		GRDR		94.08 - 94.15 conc. pyrite along fractures, up to 4% diss. throughout interval, gtz veinlet up to 2mm wide.							
				94.79 - 95.04 LOST ground core 0.25m							
				95.04 - 102.15 GRDR, same as above with up to 5% of mafics as biotite.							
				102.13 - 102.15 VNAC gtz/calcite vein, 2cm wide, very silicious, up to 1% diss. pyrite, pyrite concentrated along 102.12 - 102.13 (2% diss.) and along 102.15 - 102.20 (4% diss.) in GRDR host rock.							
100				102.15 - 113.87 GRDR same as above.							
		VNAC		103.54 - 104.92 pink-brown, highly potassic aplite dyke, very silicious, ghost texture of GRDR, local gtz veinlets up to 2mm wide, local gtz blebs and chlorite alteration with up to 4% pyrite.							
105		GRDR		105.42 4cm wide bleb of massive chlorite- sericite (?)							
				105.65 - 105.96 pink potassic-rich apatite dyke 19cm wide, ghost textures of GRDR, two gtz veinlets on each side of dyke, veinlets 2mm wide with pyrite concentrated along contact with GRDR, contact zones contain up to 4% diss. pyrite, moderate to high sericite alterations 2.5 cm around veinlets.							
				106.53 - 106.55 apatite dyke 60° TPA, gtz bleb							

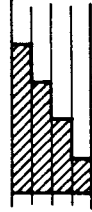
DEPTH (METERS)	% Core Recy	LITHOLOGY	STRUCTURE	GEOLOGICAL DESCRIPTION	ALTERATION					FRACT INTENSITY	VEINLET INTENSITY	
					Si	Prop	Plg	Arg	Py			
					A	B	C	D	E			
110		GRDR		102.15-113.87 GRDR cont. up to 2cm wide in HW, no conc. sulfides as in previous dyke. 107.33-107.50 7 qtz/calcite veinlets, most up to 1mm wide, one up to 2mm wide, diss. pyrite up to 2% along veinlet contacts, moderate sericitic alteration around veinlets. 110.19-110.33 moderate to intensely phyllically/propylitically altered zone, single qtz veinlet up to 1mm wide.								
115		GRDR AND		112.60-112.74 high potassic alteration, plag approx. 60%, sericite 15%, mafeis 15%, qtz 10%, sericite phenocrysts up to 3mm wide, qtz blebs up to 15mm wide 112.74-112.82 moderate phyllite / potassic alteration, up to 1% diss. pyrite, apple-green sericite phenocrysts up to 6mm wide.								
120		GRDR AND E.O.H.		112.82-113.60 high potassic alteration as in 112.60-112.74, 113.12-113.30 phenocrysts of chlorite alter to green-brown / red-brown colour, up to 1% diss. pyrite. 113.87-114.84 AN/D dark grey, fine grained andesite dyke contains 5% biotite and qtz phenocrysts up to 1mm wide, limonite staining on fractures, local qtz veinlets up to 2mm wide. 114.84-115.27 GRDR same as above, moderate to high potassic alteration, contains biotite phenocrysts throughout.								
125				115.27-115.80 AN/D same as above. 115.80-121.12 GRDR same as above 115.80-115.56 intense propylitic alteration, chlorite comprises 40%, qtz 25%, sericite 15%, 20% plag + Kspar, up to 2% diss. pyrite. 116.56-121.12 local qtz veinlets up to 3mm wide, local calcite alterations from dark green to rust colour. 121.12-121.31 LOST missing core 0.19m.								

PAGE 11		OF 11		PROJECT: OCEAN VEIN					HOLE No. 89-560							
DEPTH (ME S)	% Core Recy	LITHOLOGY	STRUCTURE	GEOLOGICAL DESCRIPTION					ALTERATION					FRACT INTENSITY		
									A	B	C	D	E			
				Hole Summary:												
				DDH 89-560 was drilled to intersect the OCEAN VEIN from the projected HLEM anomaly and to continue the force from 89-552. The projected intersection was 234m, but the hole only got down to 121m before the rods broke. An attempt to ream the hole was made but proved to be unsuccessful. Another hole was started close by but by 60' the casing had broken. The majority of the hole consisted of GEDR with several RY/D's and AN/D's throughout. At 43.60 to 43.70 a qtz vein was encountered and is believed to represent the Evening Vein. Hole 89-561 was drilled between 89-560 and the hole with the broken casing in order to reach the Ocean Vein.												

MOUNT SKUKUM GOLD MINING CORP.

MINERALS SECTION

DRILL LOG

PROJECT OCEAN VEIN	GROUND ELEV. 1153.62
HOLE No. 89-560A	BEARING 179.56°
LOCATION Northing: 72794.29 Easting: 80624.48	DIP -58.4°
LOGGED BY K. Boychuk	TOTAL LENGTH 248.72 m (816')
DATE Aug 22/89	HORIZONTAL PROJECT 146.6085 m
CONTRACTOR Advanced Drilling	VERTICAL PROJECT -200.5784
CORE SIZE BQ	ALTERATION SCALE
DATE STARTED Aug 22/89	 absent slight moderate intense
DATE COMPLETED Aug 31/89	
DIP TESTS @ 200' (60.96m) -54.5° @ 400' (121.92m) -55.5° @ 600' (182.88m) -50° @ 800' (243.84m) -52.5°	
COMMENTS Hole 89-560A is a continuation from hole 89-560 which was unable to be completed.	TOTAL SULPHIDE SCALE
	 traces only < 1% 1% - 3% 3% - 10% > 10%
	LEGEND DDH No..... 89-560A NORTHING... 72794.290 EASTING.... 80624.480 ELEVATION.. 1153.62 BASELINE... OCEAN000 TOTAL HORZ 146.6085 TOTAL VERT -200.5784

----- LONGITUDINAL PLOT -----

----- PLAN PLOT -----

----- SECTION PLOT -----

7		7		7		7		7		7		
LENGTH	AZIMUTH	DIP	HORE	ELEV	DIST FROM BL		SECTION		SEC OFFSET		DESCRIPTION	
0.00	179.56	-58.40	0.00	1153.62	220.89	N	14.0	E	4.02	W	COLLAP	
30.48	179.56	-54.50	15.97	1107.66	204.92	N	14.0	E	3.90	W	DIP CHANGE	
44.42	179.56	-54.50	24.07	1116.31	196.82	N	14.0	E	3.84	W	FW- EVENING VEIN	
44.50	179.56	-54.50	24.11	1116.25	196.78	N	14.0	E	3.84	W	FW- EVENING VEIN	
91.44	179.56	-55.50	51.37	1078.03	169.52	N	14.0	E	3.69	W	DIP CHANGE	
152.40	179.56	-53.00	85.90	1027.79	134.99	N	14.0	E	3.46	W	DIP CHANGE	
213.36	179.56	-52.50	126.08	981.09	95.81	N	14.0	E	3.06	W	DIP CHANGE	
216.77	179.56	-52.50	127.16	979.39	93.74	N	14.0	E	3.04	W	FW- OCEAN VEIN	
227.40	179.56	-52.50	127.66	977.74	93.74	N	14.0	E	3.04	W	FW- OCEAN VEIN	
248.72	179.56	-52.50	128.00	976.00	91.00	N	14.0	E	3.00	W	FW- OCEAN VEIN	

PAGE 1		OF 26		PROJECT: OCEAN VEIN					HOLE No. 89-560A				
DEPTH (1 RES)	% Core Recy	LITHOLOGY	STRUCTURE	GEOLOGICAL DESCRIPTION		ALTERATION					FRACT INTENSITY	VEINLET INTENSITY	
						Si A	Prop B	Phy C	Arg D	Po E			
28				0-28.96	Casing through overburden								
				28.96 - 30.32	GRDR light grey-green granodiorite; contains 10% sericite, 5% chlorite altered biotite, 15% plag, 10% K-spar, 60% qtz; contains up to 1% diss. pyrite, limonite staining along and penetrating into fracture surfaces, fractures infilled with fine-grained mafic mineral; local pieces of andesite breccia up to 11 cm wide; slightly silicified, minor alteration.								
		GRDR											
30				30.32 - 32.20	RY/D light creamy-green, fine-grained rhyolite dyke; contains 5% qtz phenocrysts up to 2mm wide surrounded by white halos, 5% K-spar phenocrysts altering to rusty coloured kaolinite; up to 10% diss sulphides (5% pyrite, 5% galena) of 0.54m; pyrolusite staining throughout, limonite staining on fractures and fracture surfaces, local phyllic alterations.								
		RY/D											
32				GRDR same as above with moderate phyllitic alteration, weakly fractured.									
		GRDR											
				31.60 - 32.20, same as above except increased fracture intensity (moderate) and only up to 2% diss. pyrite and galena; weak argillitic alteration.									
		LOST											
				32.20 - 32.32	GRDR up to 25% mafes formed in fracture-like patterns, up to 9mm wide phenocrysts of plag altered sericite; diss. hematite staining.								
34				32.32 - 32.98	LOST ground core, 0.66m missing								
				32.98 - 35.00	GOUGE coarse grained, grey fault gouge; semi-consolidated granodiorite, bands of chlorite altered aegirine throughout; limonite staining through first 0.16m of interval.								
		GOUGE											
				34.75 - 35.00	fine-grained, med. grey fault gouge, high argillitic alteration, limonite staining at end of interval.								
				35.00 - 38.58	RY/D same as above; only up to 1% diss. pyrite.								
				35.00 - 35.92	moderate propylitic alteration; limonite staining throughout; slight argillitic alteration.								
36													

PAGE 3		OF 26		PROJECT: OCEAN VEIN		HOLE No. 89-56DA					
DEPTH (METERS)	% Core Recy	LITHOLOGY	STRUCTURE	GEOLOGICAL DESCRIPTION	ALTERATION					FRACT INTENSITY	VEINLET INTENSITY
					Sil A	Prop B	Phy C	Arg D	B E		
36		RY/D		35.00 - 38.58	RY/D cont.						
				35.92 - 38.32	local chlorite alteration; local pyroxite staining; most of interval is fresh rhyolite; slight flow banded appearance.						
				38.32 - 38.58	disappearance of rusty-stained (s-p) phenocrysts, moderate phyllite alteration.						
NQ		GRDR		38.58 - 44.42	GRDR coarse-grained granodiorite, intense phyllite alteration; slight-moderate propylitic alteration; local veinlets of chlorite-altered biotite up to 12 mm wide; local milky-white qtz veinlet 5mm wide; up to 1% diss. pyrite; local limonite staining on fracture surfaces; leucocryst phenocrysts evident.						
39.62				44.42 - 44.50	VNQC qtz/calcite vein, 8cm wide; up to 3% diss. pyrite mostly concentrated around contact; very silicified; minor limonite staining along fractures; moderate argillite alteration along HW contact.						
40				* ELEVATING VEIN *							
		VNQC		44.50 - 49.14	GRDR contains local qtz/calcite veinlets up to 1cm wide, up to 2% diss. pyrite around veinlets (2cm wide, either side); local andesite frags up to 35mm wide; phyllite alteration ^{slightly} decreases / propylitic alteration increases along interval; limonite staining along fracture planes and locally along core axis; leucocryst phenocrysts also evident.						
45				49.14 - 49.18	GOUGE fine to moderate grain-size GRDR gouge; rust-colour; moderate to intense argillite alteration; some GRDR fragments.						
				49.18 - 57.59	GRDR chlorite altered biotite comprises 30% of core, dominant throughout entire interval and comprises of majority of matrix; local fractures infilled with quartz as well as small veinlets up to 3mm wide; phyllite alteration decreases to moderate; local potassic alteration; few fractures.						
50		GRDR		53.15 - 53.30	hematite alteration and severe propylitic alteration, diss. pyrite up to 3%; pink-red colour; small						
55											

[illegible]

[illegible]

PAGE 9		OF 26		PROJECT: OCEAN VEIN					HOLE No. 89-560A				
DEPTH (ME S)	% Core Recy	LITHOLOGY	STRUCTURE	GEOLOGICAL DESCRIPTION		ALTERATION					FRACT INTENSITY	VEINLET INTENSITY	
						Bil A	Prop B	Phyl C	Arg D	Pot E			
45				77.24 - 108.82	GEDR cont.								
				93.64 - 93.78	highly phyllically altered zone with qtz/calcite veins up to 8mm wide; up to 2% diss. pyrite.								
				96.49 - 98.30	pink-brown, fine-grained aplite dyke; contains brecciated GEDR fragments; has ghost texture of GEDR; contains local qtz veinlets up to 3mm wide with 1% diss. pyrite; hematite conc. along veins and fractures.								
100		GEDR		98.83 - 98.99	propylitically altered zone with 3mm calcite veinlet; up to 3% diss. pyrite; almost no K-spar or sericite; very silicified.								
				100.85 - 100.88	aplite shard with 2mm wide qtz veinlet; up to 2% diss. pyrite along vein; moderate phyllic alteration around aplite.								
				102.24 - 102.53	intense potassic alteration zone with large qtz blebs up to 3cm wide; slight phyllic alteration; chlorite infilling fractures; up to 2% diss. pyrite								
105				108.45 - 108.82	intense phyllic / propylitic alteration zone; 5% leucocratic phenocrysts; local qtz veinlet 9mm wide; intense deformation along AN/D contact with qtz blebs and 1% diss. pyrite.								
				108.82 - 109.93	AN/D dark-green, fine-grained andesite dyke; 2% phenocrysts; calcareous matrix; several (less than 1mm wide) calcite veinlets throughout dyke; two large (8 x 11cm) GEDR frags within dyke.								
		AN/D											
110		GEDR		109.93 - 112.26	GEDR more K-spar content than last interval; moderate phyllic & propylitic alteration; several fractures; intense phyllic & propylitic alteration within 15cm of lower contact with AN/D.								
				111.66 - 111.72	AN/D splay from main dyke; very little alteration around host rock contacts; contains several discontinuous calcite veinlets.								
		GEDR											
115				112.26 - 112.44	AN/D same as above except no GEDR frags;								

[illegible]

PAGE 15 OF 26		PROJECT: OCEAN VEIN		HOLE No. 895604							
DEPTH (ME S)	% Core Recy	LITHOLOGY	STRUCTURE	GEOLOGICAL DESCRIPTION	ALTERATION					FRACT INTENSITY	VEINLET INTENSITY
					Sil A	Prop B	Phyl C	Arg D	Act. E		
142		GRDR		137.30-149.75 GRDR continued two qtz stringers, less than 1mm wide, at end of interval; contain up to 1% pyrite. 142.10-142.12, 142.53-142.54 qtz veinlets containing up to 3% pyrite; upper interval contains two 1mm veinlets; lower interval contains one 1mm veinlet. 143.55-143.56 1cm wide qtz veinlet containing up to 20% pyrite formed in bands paralleling veinlet; 50° TCA.							
147		GRDR		144.14-144.16 1.5 cm wide qtz/calcite veinlet; calcite veinlet contained within qtz vein; calcite 0.4cm wide, qtz 1.1cm wide; 50° TCA; contains 2% diss. pyrite. 144.48-144.49 fault surface with argillite alteration and silicification on HW/FW contacts; limonite staining along fault; some qtz fragments contained in calcareous gouge.							
		GRDR		149.75-149.90 AN/D dark-green, fine-grained andesite dyke with 1% matrix phenocrysts; several discontinuous fractures infilled with calcite; local hematite staining on fracture surfaces.							
152		GRDR		149.90-151.15 GRDR bleached granodiorite, same as above. 151.15-151.24 AN/D splay off of above dyke. 151.24-162.93 GRDR same as above 151.74-151.75 2 qtz/calcite veinlets up to 3mm wide; 30°-35° TCA; contain 1% diss. pyrite and less than 1% galena; intense sericitic alteration around veinlets.							
157		GRDR		152.58 qtz/calcite veinlet 4mm wide; contains 1% diss. pyrite; slight alteration envelope around it; 41° TCA. 159.62 qtz/calcite veinlet 6mm wide; 42° TCA; contains 10% diss. pyrite; sericitic alteration around in host rock. 160.52-161.18 up to 5% pyrite - rich GRDR; phylite; propylite alteration; trace sphalerite; 5mm qtz/15mm calcite vein at 160.73-160.75; calcite vein has qtz needles throughout; contains 5% pyrite, 1% sphalerite, no galena nodules.							

DEPTH (METERS)	% Core Recy	LITHOLOGY	STRUCTURE	GEOLOGICAL DESCRIPTION	ALTERATION					FRACT INTENSITY	VEINLET INTENSITY
					Sil A	Prop B	Phyl C	Arg D	Pot. E		
186		AN/D	GEDR	186.22 - 186.55 AN/D dark-green, fine-grained andesite dyke; contains large plg phenocrysts up to 4mm wide; contains GEDR fragments up to 3.2 cm long; contains large, fine-grained, cream green fragments of rhyolite up to 4cm long; non-calcareous matrix; sharp contacts at 40° TCA; slight argillite alteration along HW contact.							
191				186.55 - 192.56 GEDR bleached, very felsic granodiorite; moderate to intense phyllite alteration; local weak propylite alteration; local weak to intense argillite alteration; few local gtz/calcite veinlets up to 1mm wide; trace sulfides; more fractured than fresh GEDR.							
		LOST		192.56 - 192.79 LOST missing core 0.23 m							
				192.79 - 206.35 GEDR same as above; local patches of up to 2% chss. pyrite and also along fractures; rare sphalerite and galena with pyrite; local slight propylite alteration.							
196				198.07 4mm wide gtz veinlet; 45° TCA; contains large (up to 5mm) patches of pyrite (15%), sphalerite (3%), and galena (3%).							
				206.35 - 206.85 LOST ground core 0.50m							
				206.85 - 209.24 GEDR bleached granodiorite as above; local slight argillite alteration along fracture surfaces; local patches of propylitically altered biotite up to 14cm long; moderately fractured throughout interval.							
201				209.24 - 209.52 GOUGE fine-grained, med. grey, fault gouge; contains 10% GEDR fragments up to 13 mm wide; silty texture; local limonite staining; 5m section along contact of HW is moderately argillitically altered GEDR; probably from surface shuffling into drill hole -- talk to Joanne about this.							
				209.52 - 216.77 GEDR local patches of propylitically altered chlorite-biotite; same as above bleached granodiorite; fewer fractures than above GEDR; sparse contact							

MINERALIZATION DESCRIPTION	TOTAL SULPHIDE	INTERVAL	WIDTH	ASSAY NUMBER	% Au Ag Cu			COMPOSITE ASSAYS Pb Zn As		
					Au	Ag	Cu	Pb	Zn	As
215.41-216.09 GRDR bleached groundrocks; contains up to 1% diss. pyrite; HW			0.68	18383	0.0012	0.84	0.0030	0.0079	0.0059	0.016
216.09-216.77 bleached GRDR; contains up to 1% diss. pyrite; fault gouge (3cm) at 216.74-216.77.			0.68	18384	0.001	0.12	0.0033	0.011	0.0157	0.039
216.77-216.95 VNSX 50% qtz, 50% chlorite ± sulphides; 80% pyrite, 20% sphalerite, rare arsenopyrite.			0.18	18385	0.017	1.561	0.0989	0.1549	0.3570	0.307
216.95-217.15 VNSX 30% qtz, 70% chlorite ± sulphides; 50% pyrite, 50% sphalerite.			0.20	18386	0.0095	0.39	0.0246	0.0267	0.0882	0.265
217.15-217.32 VNSX 40% qtz, 60% chlorite ± sulphides; 70% sphalerite, 30% pyrite, rare arsenopyrite.			0.17	18387	0.024	0.478	0.0146	0.1510	0.4630	0.510
217.32-217.49 VNSX 20% qtz, 80% chlorite ± sulphides; 50% pyrite, 50% sphalerite.			0.17	18388	0.037	0.58	0.0199	0.2788	0.5280	1.408
217.49-218.23 GRDR (FW) bleached; 217.49-217.69 contain up to 6% diss. pyrite, <1% sphalerite; 217.69-218.23 contain 1% pyrite and ^(rare) galena.			0.74	18389	0.0014	0.06	0.0094	0.0772	0.1392	0.078
218.23-219.47 GRDR (FW) bleached; up to 1% diss. pyrite, less than 1% galena.			0.24	18390	0.0008	0.02	0.0046	0.0241	0.0524	0.063
219.47-219.90 GRDR (FW) bleached; contains up to 1% diss. pyrite, less than 1% galena.			0.43	18398	0.0005	0.05	0.0033	0.0371	0.050	0.01
219.90-220.90 RY/D chert-like rhyolite dyke; less than 1% diss. pyrite.			1.00	18399	0.0008	0.04	0.0006	0.0046	Tr	0.0001

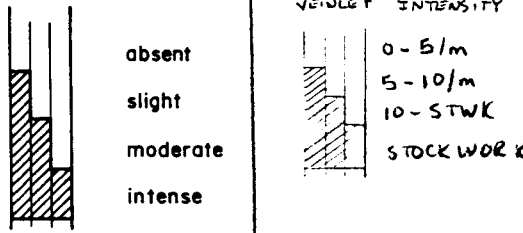
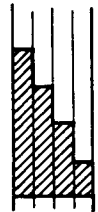
0.0312 oz Au, 0.348 oz Ag, 0.012 oz Cu
 0.52 oz As
 0.0001 oz Sb

PAGE		OF		PROJECT:					HOLE No. 89-560A				
DEPTH (ME S)	% Core Recy	LITHOLOGY	STRUCTURE	GEOLOGICAL DESCRIPTION					ALTERATION				
									A	B	C	D	E
				HOLE SUMMARY									
				89-560A was drilled to intersect the Ocean Vein at depth where projected by an HLEM anomaly, and to continue the fence of the Ocean Vein to the east. The hole was drilled at the same pad site as 89-560 which was abandoned after rods broke down the hole.									
				The hole mainly consists of GEDR with AN/D's and RY/D's encountered throughout. In total, the hole length was 248.72 m (816').									
				At 44.42 - 44.50 m depth a qtz vein was encountered which may be the Evening Vein but wasn't brecciated like the 550, 551 intersections to the west.									
				The target Ocean Vein was encountered at 216.77 - 217.59 m with 3cm clay fault gouge on the HW as well as sheared GEDR on both the FW & HW. The Ocean Vein is comprised of 20-50% qtz fragments in a fine-grained matrix of chlorite ± sulfides (variable amounts of pyrite and sphalerite with traces of arsenopyrite).									
				The vein intersection is smaller than those intersections to the west as its true thickness is 0.52 m.									

MOUNT SKUKUM GOLD MINING CORP.

MINERALS SECTION

DRILL LOG

PROJECT OCEAN VEIN		GROUND ELEV. 1102.06																																																																																																																																																																																																																																																																																					
HOLE No. 89 - 561		BEARING 181.23°																																																																																																																																																																																																																																																																																					
LOCATION NORTHING 72803.41 EASTING 80723.91		DIP -64.84°																																																																																																																																																																																																																																																																																					
LOGGED BY J. BLACK		TOTAL LENGTH 268 68m (881.5')																																																																																																																																																																																																																																																																																					
DATE August 29 1989		HORIZONTAL PROJECT 125 , 80 78																																																																																																																																																																																																																																																																																					
CONTRACTOR ADVANCED DRILLING		VERTICAL PROJECT -237.3095																																																																																																																																																																																																																																																																																					
CORE SIZE NQ → BQ		ALTERATION SCALE 																																																																																																																																																																																																																																																																																					
DATE STARTED August 28 1989		TOTAL SULPHIDE SCALE 																																																																																																																																																																																																																																																																																					
DATE COMPLETED SEPT 4 1989		DIP TESTS 200' (60.96) 63.5° 800 (243.84) 61° 400' (121.92) 61.5° 881.5 (268.68) 60° 600' (182.88) 61°																																																																																																																																																																																																																																																																																					
DIP TESTS 200' (60.96) 63.5° 400' (121.92) 61.5° 600' (182.88) 61°		CON <table border="1"> <tr><td>0.00</td><td>181.23</td><td>-64.84</td><td>0.00</td><td>1102.06</td><td>230.01</td><td>N</td><td>18.0</td><td>E</td><td>4.89</td><td>W</td><td>COILER</td></tr> <tr><td>30.48</td><td>181.23</td><td>-63.50</td><td>12.96</td><td>1074.47</td><td>217.05</td><td>N</td><td>18.0</td><td>E</td><td>4.87</td><td>W</td><td>DIP CHANGE</td></tr> <tr><td>38.75</td><td>181.23</td><td>-63.50</td><td>16.65</td><td>1057.07</td><td>213.37</td><td>N</td><td>18.0</td><td>E</td><td>4.95</td><td>W</td><td>FW-EVENING VN?</td></tr> <tr><td>39.03</td><td>181.23</td><td>-63.50</td><td>16.77</td><td>1056.82</td><td>213.24</td><td>N</td><td>18.0</td><td>E</td><td>4.95</td><td>W</td><td>FW-EVENING VN?</td></tr> <tr><td>90.00</td><td>181.23</td><td>-63.50</td><td>39.52</td><td>1021.21</td><td>190.50</td><td>N</td><td>18.0</td><td>E</td><td>5.44</td><td>W</td><td>FW-EVENING VN?</td></tr> <tr><td>90.10</td><td>181.23</td><td>-63.50</td><td>39.55</td><td>1021.12</td><td>190.46</td><td>N</td><td>18.0</td><td>E</td><td>5.44</td><td>W</td><td>FW-EVENING VN?</td></tr> <tr><td>91.44</td><td>181.23</td><td>-61.50</td><td>40.15</td><td>1019.92</td><td>189.86</td><td>N</td><td>18.0</td><td>E</td><td>5.45</td><td>W</td><td>DIP CHANGE</td></tr> <tr><td>152.40</td><td>181.23</td><td>-61.00</td><td>69.25</td><td>956.34</td><td>160.78</td><td>N</td><td>18.0</td><td>E</td><td>6.08</td><td>W</td><td>DIP CHANGE</td></tr> <tr><td>213.36</td><td>181.23</td><td>-61.00</td><td>98.80</td><td>913.03</td><td>131.23</td><td>N</td><td>18.0</td><td>E</td><td>6.71</td><td>W</td><td>DIP CHANGE</td></tr> <tr><td>325.68</td><td>181.23</td><td>-61.00</td><td>104.77</td><td>902.25</td><td>125.35</td><td>N</td><td>18.0</td><td>E</td><td>6.84</td><td>W</td><td>FW-GRDP</td></tr> <tr><td>325.28</td><td>181.23</td><td>-61.00</td><td>105.05</td><td>901.72</td><td>124.97</td><td>N</td><td>18.0</td><td>E</td><td>6.84</td><td>W</td><td>FW-GRDP</td></tr> <tr><td>325.33</td><td>181.23</td><td>-61.00</td><td>105.05</td><td>901.73</td><td>124.97</td><td>N</td><td>18.0</td><td>E</td><td>6.84</td><td>W</td><td>FW-GRDP</td></tr> <tr><td>326.68</td><td>181.23</td><td>-61.00</td><td>105.25</td><td>901.38</td><td>124.78</td><td>N</td><td>18.0</td><td>E</td><td>6.85</td><td>W</td><td>FW-GRDP</td></tr> <tr><td>326.68</td><td>181.23</td><td>-61.00</td><td>105.25</td><td>901.38</td><td>124.78</td><td>N</td><td>18.0</td><td>E</td><td>6.85</td><td>W</td><td>FW-GRDP</td></tr> <tr><td>326.92</td><td>181.23</td><td>-61.00</td><td>105.37</td><td>901.17</td><td>124.66</td><td>N</td><td>18.0</td><td>E</td><td>6.85</td><td>W</td><td>FW-GRDP</td></tr> 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<tr><td>349.81</td><td>181.23</td><td>-61.00</td><td>116.47</td><td>881.15</td><td>113.57</td><td>N</td><td>18.0</td><td>E</td><td>7.09</td><td>W</td><td>FW-GRDP</td></tr> <tr><td>356.25</td><td>181.23</td><td>-60.00</td><td>119.60</td><td>875.51</td><td>110.44</td><td>N</td><td>18.0</td><td>E</td><td>7.15</td><td>W</td><td>DIP CHANGE</td></tr> <tr><td>358.68</td><td>0.00</td><td>0.00</td><td>125.81</td><td>864.75</td><td>104.23</td><td>N</td><td>18.0</td><td>E</td><td>7.29</td><td>W</td><td>END OF HOLE</td></tr> </table>		0.00	181.23	-64.84	0.00	1102.06	230.01	N	18.0	E	4.89	W	COILER	30.48	181.23	-63.50	12.96	1074.47	217.05	N	18.0	E	4.87	W	DIP CHANGE	38.75	181.23	-63.50	16.65	1057.07	213.37	N	18.0	E	4.95	W	FW-EVENING VN?	39.03	181.23	-63.50	16.77	1056.82	213.24	N	18.0	E	4.95	W	FW-EVENING VN?	90.00	181.23	-63.50	39.52	1021.21	190.50	N	18.0	E	5.44	W	FW-EVENING VN?	90.10	181.23	-63.50	39.55	1021.12	190.46	N	18.0	E	5.44	W	FW-EVENING VN?	91.44	181.23	-61.50	40.15	1019.92	189.86	N	18.0	E	5.45	W	DIP CHANGE	152.40	181.23	-61.00	69.25	956.34	160.78	N	18.0	E	6.08	W	DIP CHANGE	213.36	181.23	-61.00	98.80	913.03	131.23	N	18.0	E	6.71	W	DIP CHANGE	325.68	181.23	-61.00	104.77	902.25	125.35	N	18.0	E	6.84	W	FW-GRDP	325.28	181.23	-61.00	105.05	901.72	124.97	N	18.0	E	6.84	W	FW-GRDP	325.33	181.23	-61.00	105.05	901.73	124.97	N	18.0	E	6.84	W	FW-GRDP	326.68	181.23	-61.00	105.25	901.38	124.78	N	18.0	E	6.85	W	FW-GRDP	326.68	181.23	-61.00	105.25	901.38	124.78	N	18.0	E	6.85	W	FW-GRDP	326.92	181.23	-61.00	105.37	901.17	124.66	N	18.0	E	6.85	W	FW-GRDP	326.92	181.23	-61.00	105.37	901.17	124.66	N	18.0	E	6.85	W	FW-OCEAN VN SX	327.26	181.23	-61.00	105.54	900.87	124.50	N	18.0	E	6.85	W	FW-OCEAN VN SX	327.26	181.23	-61.00	105.54	900.87	124.50	N	18.0	E	6.85	W	FW-GRDP	327.58	181.23	-61.00	105.69	900.59	124.34	N	18.0	E	6.86	W	FW-GRDP	349.48	181.23	-61.00	115.31	881.44	113.73	N	18.0	E	7.09	W	FW-GRDP	349.81	181.23	-61.00	116.47	881.15	113.57	N	18.0	E	7.09	W	FW-GRDP	356.25	181.23	-60.00	119.60	875.51	110.44	N	18.0	E	7.15	W	DIP CHANGE	358.68	0.00	0.00	125.81	864.75	104.23	N	18.0	E	7.29	W	END OF HOLE
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INTERSECTION

DEPTH (ME. S)	% Core Recy	LITHOLOGY	STRUCTURE	GEOLOGICAL DESCRIPTION	ALTERATION					FRACT INTENSITY	VEINLET INTENSITY
					Sl A	Prop B	Phy C	Arg D	Py E		
40				19.05-49.81 GRDR CONT							
				38.95-38.98 qtz stringer ~85°C A with							
				a 4mm FW selvage of disseminated							
				and 1% f.g. py, rare calcite, po envelopes							
				42.00 fracture 45° coated with chl ± f.g. ss, 2% py,							
				local patches of weak phyllic alteration							
				up to 8cm, ubiquitous leucocline up to 1%							
				46.75-47.55 phyllic altered with sheeted							
				chlorite ± f.g. ss 40°C A, py up to 3% diss							
50				49.81-51.03 RYID tan-green flow banded rhyolite							
				60°C A with dendritic pyroxene along							
				fractures, 3mm qtz calcite veinlets crosscut							
				flow banding and contain ~2% coarse grained							
				subhedral py cubes, FW is sheared with 5% GRDR							
				fragments up to 3cm wide, intense phyllic							
				51.03-62.79 GRDR same as above, local hematite veinlets ± 2mm							
				51.34-51.35 qtz veinlet which is ground							
				1% diss py plus 4mm blebs of calcite in veinlet							
				local fine grained mafic phases of the GRDR							
				62.44-62.52 ANID fragments, hematite on fractures							
60				62.79-62.98 LOST 0.19 m core missing							
				62.98-63.58 ANID dark green calcareous matrix with							
				cross-bedded diag phenocrysts up to 1%, local							
				epidote as envelopes to fractures, up to 1%							
				diss subhedral py cubes (± 2mm) in FW of dyke							
70				63.58-82.02 GRDR same as above 64.48-64.49							
				weak shear with a 2mm hematite qtz veinlet							
				64.97-65.17 aplite with a 2mm bleb of qtz							
				containing 3% py, hematite and abundant chlorite;							
				abundant 3mm 2mm veinlets of qtz ± calcite with hematite							
80				78.87 fracture containing an 8mm qtz + hematite							
				veinlet with 2% py and phyllic, potassic envelopes							
				82.02-82.54 ANID dark green calcite rich dyke with							
				abundant leucocline diss, local hair line							
				calcite veinlets, FW contact contains up to 4% py							
				in dyke (up to 10% in GRDR plus up to 1% qtz)							
				82.54-85.71 GRDR same as above with HW contact carrying							
				up to 10% coarse py + up to 1% qtz + 2% sl							
				85.85 fracture 40°C A with a 4mm chl ± f.g. ss							
				veinlet with 1% diss, 1% py, 1% hematite							

PAGE 4 OF 14		PROJECT: OCEAN VEIN					HOLE No. 89 561				
MINERALIZATION DESCRIPTION	TOTAL SULPHIDE	INTERVAL	WIDTH	ASSAY NUMBER	%	%	%	%	%	COMPOSITE % ASSAYS	
					oz / ton	oz / ton	Cu	Pb	Zn		As
38.75-39.03 GRDR intense prop, med phyllic and moderate Pb and intense silicification with a 3cm qtz stringer with a hematite FW selvage up to 5mm, 1% diss py evenly vein			0.28	18486	0.0014	0.02	0.0003	0.0006	0.0035	0.0280	
46.95-47.55 GRDR silicified and phyllically altered with 4 sheeted chl ± f.g.sx veins up to 2cm, 3% diss py minor hematite in stringers			0.60	18483	0.0002	0.04	0.0003	0.0075	0.0201	Tr	
51.03-51.47 GRDR coarse grained prop phy and sil altered with hematite chlorite veins up to 2mm, 1% diss py matrix			0.44	18487	0.0037	0.22	0.0013	0.0312	0.0420	0.0330	

DE 1 (ME1...S)	% Core Recy	LITHOLOGY	STRUCTURE	GEOLOGICAL DESCRIPTION	ALTERATION					FRACT INTENSITY	VEINLET INTENSITY
					Sil A	Prop B	Phy C	Arg D	Po E		
90		GRDR		82.54-95.71 GRDR CONT 87.46-87.47 1cm qtz stringer with up to 10% blood red-black hematite, 1% py							
				90.04-90.07 3cm qtz/calcite stringer with 30% hematite and rare gn, py up to 10% dissim phyllic envelopes							
				* * evening vein? local yellow clay on fractures							
				92.21-92.24 breccia zone with chlorite as a matrix to angular GRDR fragments up to 5mm							
				95.71-95.93 ANID dark green with abundant calcite in matrix and as randomly oriented hairline veinlets							
				hematite on fractures. Fw contact 40° TCA							
100				95.93-160.31 GRDR CONT, 96.33-96.35 2cm qtz with 3% hematite, 1% py and 1% yellow sericite as 5mm blebs							
				98.09-98.17 intense phyllic altered zone with a 1cm qtz stringer with hematite, 2% py as subhedral cubes							
				104.61-108.96 broken core with zone of argillite, phyllic, silic and prop alteration, often green-white gouge contains silicified fragments (= 90%)							
				105.22-105.24 2cm qtz/calcite veinlet 45° TCA with 2% py core on selvages, minor hematite							
110				116.53-117.00 phyllic altered GRDR with 12 sheeted chl = F.g. SX veinlets 50° TCA up to 1cm							
				116.71-116.80 fragment of calcite veinlet 2cm wide 50° TCA ^{chl} - grade with up to 2% coarse py and gouge along calcite contact up to 2mm thick							
120				120.42-121.31 blocky core with up to 50% green gouge coating fractures, abundant chlorite							
				126.04-126.05 1cm white qtz/calcite veinlet 45° TCA with minor gouge on Hw contact							
130				131.23-131.28, 132.89-132.97, 133.48-133.54 intensely silicified aplite dykes (≤ 7cm)							
				133.71-133.74 calcite blebs ≤ 2cm with chlorite							
				137.85, 139.30-139.33 fractures with up to a 3mm qtz/calcite veinlet with Po envelopes, py ≤ 1%							
				139.77 fracture with 4mm silicified zone with up to 5% py and up to 1% gn + f.g. sl coating fracture 40° TCA							
				141.00-141.02 1cm qtz/calcite veinlet with hematite on fractures, local py = 5%							
				145.24-145.57 fine grained phase of GRDR with up to 2cm Po altered envelopes, minor brecciation							
				147.42 2cm qtz xenolith 100% of core							

PAGE 6 OF 14		PROJECT: OCEAN VEIN					HOLE No. 89561				
MINERALIZATION DESCRIPTION	TOTAL SULPHIDE	INTERVAL	WIDTH	ASSAY NUMBER	%	%	%	%	%	COMPOSITE ASSAYS	
					oz / Au	ton Ag	Cu	Pb	Zn		As
90.00 - 90.10 GRDR with a 3 cm qtz/calcs stringer with 3% hematite, calc gn, 1% diss py in phyllic altered envelopes *evening vein?*			0.10	18551	0.0043	0.06	0.0009	0.0021	0.0071	0.0290	
104.61 - 105.50 GRDR intensely fractured with up to 10% green gouge cementing silicified fragments of granodiorite, 2cm qtz str			0.89	18552	0.0036	0.17	0.0042	0.0197	0.0360	0.0290	
116.53 - 17.00 GRDR - phyllic altered with 12 chl ± fq ss veinlets up to 1cm wide with a calcite 'fragrant' py up to 2% c.g.			0.47	18553	0.0011	0.20	0.0008	0.0101	0.0124	0.0190	
120.04 - 121.04 GRDR blocky core with up to 5% green clay gouge, GRDR is phyllic altered, up to 10%			0.40	18560	0.0005	0.05	0.0026	0.0007	0.0035	0.022	
137.72 - 137.89 GRDR with a fracture at 137.77 having up to 5% py and up to 1% fq gn + sl, 40° TCD			0.17	18554	0.0024	0.31	0.0052	0.0073	0.0040	0.020	

1 DF (METERS)	% Core Recy	LITHOLOGY	STRUCTURE	GEOLOGICAL DESCRIPTION	ALTERATION					FRACT INTENSITY	VEINLET INTENSITY
					Sil A	Prop B	Phy C	Arg D	Fe E		
150				95.93-160.31 GRDR cont 139.43 - 139.48 aplite dyke							
				150.19 - 150.62 blocky core, prop altered							
				and abundant chlorite veinlets ± f.g. sx on fractures							
				150.27 2mm qtz/calcite veinlet with up to 5% py							
5		GRDR		151.21 Fracture 35° TCA with up to 7% coarse py							
				152.73, 152.96 - 152.97 Fracture and 1cm qtz/calcite							
				veinlet containing up to 3% py and 2% gn, 1% sl							
				154.38 - 154.51 badly ground core; 155.31 -							
				155.32 qtz/calcite veinlet with up to 5% coarse py							
160				158.09 Fracture 55° TCA with up to 2% py, local clay							
		GRDR		159.73 - 159.82 prop altered zone with local							
				arg alteration as green clay on fractures < 5mm							
5		AN/D		160.31 - 160.65 AN/D dark green fine grained with a							
				calcite rich matrix plus hairline white veinlets							
				with local hematite, HW & FW contacts 45° TCA							
				up to 1% very fine grained diss. euhedral py							
		AN/D		160.65 - 162.38 GRDR same as above prop altered, local							
				silicification, py diss. in 3mm blebs up to 3%							
170				162.38 - 174.49 AN/D dark green grainy dyke with							
				a 22cm f.g. chill margined thin HW, local							
				< 3mm hematitic calcite veinlets, py f.g. < 1%							
				167.45 - 168.55 finer grained (later?) dyke							
				with up to 5% diss. py and btwn 168.11 -							
180				168.13 a 2cm qtz/calcite veinlet with							
				up to 10% coarse blebs of py in veinlet and							
				FW to 168.35m, veinlet has 2% sl and < 1% gn							
		GRDR		174.49 - 194.38 GRDR same as above with up to 2% diss							
				py but concentrated along fractures, local							
				phyllitic altered zones with assoc increase in py-sx							
190				181.76 - 181.79 qtz/calcite stringer with HW							
				and FW contacts 35° TCA, phylitic ± f.g. sx							
				selvages with up to 2% f.g. py along fractures							
				187.35, 187.55 Fractures containing up to 3mm							
				qtz/calcite veinlets with assoc < 5% py							
5				192.39 - 192.41 4 sheeted chlorite ± f.g. sx							
				veinlets 45° TCA with a 3mm calcite veinlet							
				fine grained py is concentrated along stringers							
		RY/D		194.38 - 204.41 RY/D blocky tan-light green calcite							
				veinlets with up to 3% diss. py							

PAGE 8 OF 14		PROJECT: OCEAN VEIN					HOLE No. 89 561				
MINERALIZATION DESCRIPTION	TOTAL SULPHIDE	INTERVAL	WIDTH	ASSAY NUMBER	%	%	%	%	%	COMPOSITE % ASSAYS	
					Au	Ag	Cu	Pb	Zn		As
152.67 - 153.16 GRDR with a fracture at 152.73 with f.g gn ± py, and 152.96 - 152.97 a 1cm qtz/calcite vintlet with up to 3% py in silvages, 2% gn ± 1% sl			0.49	18555	Tr 0.0002	0.58	0.0076	0.4460	0.1127	0.027	
168.11 - 168.35 ANID with a 2cm qtz/calcite vintlet and up to 10% subhectral py blebs, 2% sl 1% gn			0.24	18556	0.0009	0.54	0.0171	0.2730	0.4086	0.087	
189.14 - 190.14 GRDR phyllic altered with up to 3% diss py and chl ± f.g sx vintlets, epidote up to 2%			1.00	18561	0.0032	0.04	0.0036	0.0025	0.0208	0.021	
190.14 - 191.14 GRDR phyllic altered with 8 chl ± f.g sx vintlets qtz vintlets up to 1cm wide, local clay			1.00	18562	0.0007	0.06	0.0045	0.0126	0.0212	0.0240	
192.24 - 192.44 GRDR A sheeted chl ± f.g sx vintlets 45° TCA with 5% assic py, 3mm calcite vintlet			0.20	18563	0.0020	0.12	0.0039	0.0232	0.0056	0.0310	

DF "4" (ME...S)	% Core Recy	LITHOLOGY	STRUCTURE	GEOLOGICAL DESCRIPTION	ALTERATION					FRACT INTENSITY	VEINLET INTENSITY
					Sil A	Prop B	Phy C	Arg D	Pb E		
200		RYID		194.38-201.41 RYID con-T local chlorite $\pm$ Fig. sx veinlets on Fractures (core is broken into pieces ~5cm) plus visible galena and sphalerite with chlorite on fractures, chl up to 6mm thick							
		GRDR		201.41-204.54 GRDR same as above, intense phyllic alteration, moderate silicification, bleached							
		RYID		AW contact indistinct, 202.80-202.82 5 sheeted chl veinlets with up to 10% assoc py							
		RYID		204.33-204.37 chl veinlet with 3mm // calcite veinlet at FW contact, py up to 10% gn $\leq$ 2%							
210		GRDR		204.54-208.08 RYID same as above, locally brecciated with assoc gouge ($\leq$ 5%) and abundant sericite py up to 1% diss, core not blocky now							
		GRDR		208.08-208.68 AN/D pale green grading into medium green intense calcite in matrix and as veinlets up to 5mm							
		AN/D		FW contact with GRDR 35° TCA, core Fig. py							
		GRDR		208.68-216.02 GRDR same as above 211.45 chlorite veinlet up to 2mm with 5% py, 20° TCA							
		GRDR		212.85 Fracture 25° TCA with a 3mm chlorite Fig. sx veinlet, poor slickensides with sx							
220		AN/D		216.02-218.03 AN/D medium green with a coarser grained core to the dyke containing 1cm calcite blebs as well as calcite in the matrix							
		GRDR		218.03-219.83 GRDR same as above, moderate silicification							
		GRDR		219.83-220.62 AN/D medium green with calcite veinlets up to 3mm wide local hematite py as							
		GRDR		220.62-226.92 GRDR intensify silicified phyllic and prop. altered, up to 5% py conc in chl veinlets; 223.70-224.03 phyllic altered							
225		GRDR		with up to 5% off white gouge cementing GRDR fragments, chl $\pm$ Fig. sx veinlets at 223.66, 223.68, 223.70, 223.78, 224.17							
		UNSX		225.68-226.92 sheared grdr with up to 30% chl veinlets $\leq$ 3cm wide with assoc py up to 10% diss							
		GRDR		but conc in chl veinlets randomly oriented							
		GRDR		226.18-226.22 4cm Ocean vein UNSX Fragment of by 312 in a sx							
230		GRDR		matrix chl $\pm$ Fig. sx veinlets							

MINERALIZATION DESCRIPTION	TOTAL SULPHIDE	INTERVAL	WIDTH	ASSAY NUMBER	%	%	%	%	%	COMPOSITE % ASSAYS
					ozl Au	ton Ag	Cu	Pb	Zn	
197.00-198.00 RYID blacky grey with abundant chl ± Fg SX on fractures local py + gn. sl blcks. up to 7%			1.00	18557	0.0032	0.21	0.0094	0.0439	0.0144	0.0250
198.00-199.00 RYID same as #18557			1.00	18558	0.0009	0.03	0.0005	0.0038	0.0078	0.0270
204.25-204.45 GRDR intense phyllic alteration, a 4 cm chl/calcite veinlet + 30° TCA with up to 10% py, 2% gn, 2% sl			0.20	18559	0.0012	0.30	0.0093	0.1320	0.0245	0.026
211.80-212.53 GRDR 3 chlorite ± Fg SX veinlets 25° TCA with up to 7% py along veinlets 2% diss overall			0.73	18564	Tr 40.0002	0.04	0.0011	0.0047	0.0038	0.023
220.62-221.00 GRDR intensely silicified phyllic altered with up to 5% py in chlorite and fractures			0.38	18565	Tr 40.0002	0.10	0.0069	0.0017	0.0036	0.023
223.51-224.03 GRDR phyllic altered with 7 sheared 40° TCA chl ± Fg SX veinlets, up to 5% gouge, py ≤ 3%			0.52	18566	0.0004	0.09	0.0076	0.0219	0.0217	0.027
224.03-224.71 GRDR phyllic altered with 2 chl ± Fg SX veinlets, local (rare) gouge up to 2% assoc with chl, ≤ 2% py			0.68	18567	0.0005	0.04	0.0027	0.0016	0.0148	0.027
224.71-225.68 GRDR phyllic altered with 10 chl ± Fg SX veinlets 25° TCA, py up to 5%, HW to Ocean Intersection			0.97	18568	0.0032	0.03	0.0023	0.0027	0.0115	0.027
* 225.68-226.28 GRDR sheared with up to 25% chl ± Fg SX veinlets up to 3cm wide, py up to 10% diss with 226.18-226.22 4cm fragment of ocean vein (be white + grey at 2 up to 3cm wide massive matrix - chl + py + calcite - chl + py, < 5%)			0.60	18569	0.0105	0.31	0.0095	0.1314	0.0059	0.380

↑
OCEAN VEIN

DEPTH (ME. _S)	% Core Recy	LITHOLOGY	STRUCTURE	GEOLOGICAL DESCRIPTION	ALTERATION					FRACT INTENSITY	VEINLET INTENSITY
					Si A	Prop B	Phy C	Arg D	Py E		
230		GRDR		220.62-226.92 GRDR CONT 226.28-226.68 grdr with 12% pervasive gouge cementing fragments 226.68-226.92 sheared grdr with up to 30% chl and 10% vein fragments and 10% gouge assoc with chlorite							
		AN/D		226.92-227.26 VNSX OCEAN VEIN brecciated with up to 60% qtz as 2cm fragments in a chlorite + sx matrix (75% py, 20% sl 5% py) HW & FW contact 25°C							
235				227.26-230.84 GRDR same as above, phyllic altered 227.26-227.58 sheared with up to 20% gouge and 5% VNSX fragments							
				230.84-231.31 AN/D army green with up to 5% calcite as blebs and veinlets, py 3%							
				231.31-247.19 GRDR same as above with chlorite veinlets becoming distinct zones (vs randomly oriented) at 231.79, 232.11, 233.69, 234.81, 237.75, 238.12-238.17; local patches with up to 1% leucogne; badly ground core btwn 241.58-241.36							
240				245.88 fracture 25°C TCA with 2mm. of graphite (weak slickensides) up to 2% py 246.24-246.26 2cm chlorite veinlet 10°C TCA							
				247.19-247.41 AN/D light drab army green fine grained with local calcite veinlets							
				247.41-247.91 GRDR 247.41-247.91 highly fractured with up to 20% gouge cementing grdr fragments FW contact 40°C TCA							
				248.45-248.55 3cm grey qtz str 5°C TCA with 2% f.g py in qtz, 1% diss in host							
250				249.4-249.48 grdr with up to 15% gouge gradually increasing down hole, rare pyrite							
				249.48-249.81 GOUGE grey green with up to 20% 5mm grdr fragments, both FW & HW contacts are gradational							
				249.81-254.41 GRDR same as above with chlorite veinlets increasing in abundance down hole while arg il calc decreases 253.43 3mm bleb of calcite along fracture 5°C TCA							

PAGE 12 OF 14		PROJECT: OCEAN VEIN					HOLE No. 89561				
MINERALIZATION DESCRIPTION	TOTAL SULPHIDE	INTERVAL	WIDTH	ASSAY NUMBER	% oz/ton		%	%	%	%	COMPOSITE ASSAYS
					Au	Ag	Cu	Pb	Zn	As	
226.28 - 226.68 GRDR sheared with 12% pervasive gouge, convoluted chlorite veinlets, 2% subhedral py			0.40	18570	0.0017	0.31	0.0085	0.1244	0.0370	0.1260	
226.68 - 226.92 GRDR sheared with 30% chl veinlets around up to 10% Ocean Vein fragments ($\leq 3\text{cm}$), 10% gouge cementing fragments, py $\leq 8\%$			0.24	18571	0.0082	0.44	0.0160	0.1867	0.0450	0.280	
226.92 - 227.26 VNSX OCEAN VEIN brecciated with up to 60% qtz as $\leq 2\text{cm}$ fragments in a chl + f.g. SX matrix; 75% py 20% sl 3% gn			0.34	18572	0.0014	2.84	0.0517	0.0579	0.0277	0.410	Tr 0.004, 2.84% OCEAN VEIN
227.26 - 227.58 GRDR sheared with 20% yellow gouge, 70% grdr fragments up to 3cm, 5% VNSX fragments 1% diss py in grdr fragments, local chl			0.32	18573	Tr <0.0002	0.04	0.0021	0.0117	0.0164	0.0960	
227.58 - 228.58 GRDR Fw to Ocean vein intersection, phyllic grdr with up to 5% gouge, local chl veinlets			1.00	18574	0.0009	0.03	0.0020	0.0153	0.0138	0.053	
228.58 - 229.58 GRDR with 18 sheeted 40°C chl veinlets in phyllic altered grdr up to 2% gouge, py $\leq 3\%$			1.00	18575	Tr <0.0002	0.02	0.0016	0.0109	0.0042	0.037	
229.58 - 230.41 GRDR silicified phyllic altered 4 chl veinlets rare gouge, py up to 1% diss			0.83	18576	0.0004	Tr <0.02	0.0004	0.0008	0.0006	0.020	
230.41 - 230.84 GRDR dark green phyllic / prop with up to 5% clear qtz fragments (up to 2cm wide) py diss up to 1%			0.43	18577	Tr <0.0002	Tr <0.02	0.0015	0.0014	0.0025	0.045	
230.84 - 231.31 AND army green with up to 5% calcite blebs and veinlets, py up to 3% (diss f.g.)			0.47	18578	0.0009	0.02	0.0004	0.0021	0.0199	0.440	
231.31 - 232.31 GRDR phyllic altered with a 2cm chl veinlet btwn 231.41 - 231.48, 30°C TCA			1.00	18579	0.0007	0.10	0.0035	0.0336	0.0415	0.047	
247.41 - 247.91 GRDR highly fractured with up to 20% gouge cementing fragments, up to 1% calcite in grdr fragments			0.50	18580	Tr <0.0002	Tr <0.02	0.0006	0.0010	0.0051	0.036	

PAGE 14 OF 14		PROJECT: OCEAN VEIN						HOLE No. 89 561			
MINERALIZATION DESCRIPTION		TOTAL SULPHIDE	INTERVAL	WIDTH	ASSAY NUMBER	~~g~~ oz/ton Au	~~g~~ oz/ton Ag	% Cu	% Pb	% Zn	COMPOSITE ASSAYS As
247.91 - 248.91 GRDR top, phyllic altered with a 3cm grey qtz str 5° TCA with 2% assoc f.g. py				1.00	18581	0.0002	<0.02	0.0006	0.0010	0.0051	0.036
249.48 - 249.81 GOUKE grey green with up to 20% 5mm size fragments of grdr				0.33	18582	0.0280	Tr	0.0002	0.0014	0.0047	0.026
265.33 - 265.88 GRDR breccia with 20% chluzinitzts, mod silic. frd, abundant leucocenes, 2% qtz fragments 41% sl & gn visible when core ¹⁰⁰ split				0.55	18601	0.0102	0.10	0.0024	0.0126	0.0221	0.002
267.61 - 267.93 ANID overall unit but GRDR 1/2 of core was 1/4' ed and sent in for assay; moderately silicified with up to 50% qtz fragments, abundant leucocenes and chlorite - brecciated look, py				0.32	18602	0.0019	0.10	0.0040	0.0182	0.0306	0.004

PAGE	OF	PROJECT:	HOLE No.							
89	561									
DEPTH (ME .S)	% Core Recy	LITHOLOGY	STRUCTURE	GEOLOGICAL DESCRIPTION	A	B	C	D	E	FRACT INTENSITY
				HOLE SUMMARY						
				89 561 was drilled to test the Eastern extension of the Ocean Vein structure and to continue the Fence from 89 560.						
				The majority of the hole consists of prop. altered GRDR with five RYID intersected as well as several andesite dykes.						
				The Evening vein could be represented as a 3cm qtz stringer btwn 90.00-90.10m.						
				The Target Ocean Vein was intersected btwn 226.92-227.26m and consisted of 60% qtz in a chl plus sx (75% py, 20% sl, 5% gn).						
				The true thickness was calculated to be 0.20m.						

MOUNT SKUKUM GOLD MINING CORP.

MINERALS SECTION

DRILL LOG

PROJECT OCEAN VEIN	GROUND ELEV. 1227.96
HOLE No. 89 562	BEARING 360°
LOCATION NORTHING 72511.98 EASTING 80176.94	DIP -46.35
	TOTAL LENGTH 187.76
LOGGED BY J. BLACK	HORIZONTAL PROJECT 135.0818
DATE SEPT 12 1989	VERTICAL PROJECT -130.2345
CONTRACTOR ADVANCED DRILLING	ALTERATION SCALE VEIN LET INTENSITY absent slight moderate intense 0-5/m 5-10/m 10-STWK STOCK WORK
CORE SIZE NQ → BQ	
DATE STARTED SEPT 1989	
DATE COMPLETED SEPT 13 1989	
DIP TESTS 200' (60.96m) -45° 400' (121.92m) -44° 600' (182.88m) -40°	
COMMENTS	

LEGEND

----- LONGITUDINAL PLOT -----											
----- PLAN PLOT -----					----- SECTION PLOT -----						
LENGTH	AZIMUTH	DIP	HORE	ELEV	DIST FROM BL	SECTION	SEC OFFSET	DESCRIPTION			
0.00	360.00	-46.35	0.00	1227.96	61.42	S	4.0	W	1.56	W	COLLAR
19.91	360.00	-46.35	13.74	1213.55	47.63	S	4.0	W	1.56	W	FW-JOHNKY B.2
20.01	360.00	-46.35	13.95	1213.34	47.47	S	4.0	W	1.56	W	FW-JOHNKY B.2
23.73	360.00	-46.35	16.38	1210.79	45.04	S	4.0	W	1.56	W	FW-JOHNKY B.2
23.97	360.00	-46.35	16.55	1210.62	44.87	S	4.0	W	1.56	W	FW-JOHNKY B.2
30.48	360.00	-45.00	21.04	1205.91	40.38	S	4.0	W	1.56	W	DIP CHANGE
91.44	360.00	-44.00	64.14	1162.80	2.72	N	4.0	W	1.56	W	DIP CHANGE
134.69	360.00	-44.00	95.26	1132.76	33.84	N	4.0	W	1.56	W	FW-OCEAN VN FRAGS?
135.18	360.00	-44.00	95.61	1132.42	34.19	N	4.0	W	1.56	W	FW-OCEAN VN FRAGS?
135.18	360.00	-44.00	95.61	1132.42	34.19	N	4.0	W	1.56	W	FW-OCEAN VN FRAGS?
135.89	360.00	-44.00	96.12	1131.92	34.70	N	4.0	W	1.56	W	FW-OCEAN VN FRAGS?
152.40	360.00	-40.00	107.09	1120.45	46.57	N	4.0	W	1.56	W	DIP CHANGE
187.76	0.00	0.00	135.08	1097.73	72.66	N	4.0	W	1.56	W	END OF HOLE

DEPTH (MF TS)	% Core Recy	LITHOLOGY	STRUCTURE	GEOLOGICAL DESCRIPTION	ALTERATION					FRACT INTENSITY	VEINLET INTENSITY	ALTERATION INTENSITY	
					Sil A	Prop B	Phy C	Arg D	Po E				
0				0-2.10 OIB (casing)									
10		GRDR		2.10-22.71 GRDR medium grained with up to 40% zirconolite phenocrysts, local patches of hematite replacing phenocrysts, limonite in fractures and as envelopes to fractures (envelopes up to 6cm wide), prop altered ground rock btwn 2.10-2.25, 3.66-3.71 2mm calcite veinlet 25° TCA at 4.26m 4.96m fracture 50° TCA coated with pyrite 8.19-8.51 fractured intensely rusty limonite with abundant pyrite, local hematite 11.30-11.31 1cm qtz veinlet with up to 5% py, 10% gn, 2% sphalerite, abundant leucosine (up to 5% diss) 12.60, Fractures with 2mm limonitic gouge 14.60-14.61 clear qtz veinlet with rare py, abundant leucosine as envelopes 15.28-15.32 4cm grey/clear qtz stringer with up to 5% py, 3% sphalerite and 2% gn 12% yellow carbonate clay as selvages to stringer 15.32-22.71 silicified phyllite with abundant leucosine, py up to 2% diss 17.08-17.42 acidic argillite alteration 17.51-17.69 brecciated zone with 20% silicified qtz fragments up to 3cm long 18.96-19.52, 19.10-19.14 grey ss rich qtz strcs with up to 10% cpy, 5% py, 3% ls, 3% gn; + Johnny B. vein? 3% diss py in mytic envelopes around stringers - 45° TCA 19.20 fracture with 1mm limonite gouge 45° TCA and 2mm chlorite veinlet, py up to 1% 20.24 3mm clear qtz veinlet with 20% yellow carbonate, 1% py, 1% ls later to within veinlet 20° TCA, fractures coated with white clay up to 2mm 21.51-21.61 zone of 7 chlorite veinlets up to 2mm (sheeted at 45° TCA) with a 1cm qtz stringer btwn 21.32-21.61 with up to 7% py, 5% ls, 4% gn, minor hematite, abundant leucosine as envelopes to fractures									
20		GRDR											
30		GRDR											

MINERALIZATION DESCRIPTION	TOTAL SULPHIDE	INTERVAL	WIDTH	ASSAY NUMBER	% oz	% ton	% Cu	% Pb	% Zn	COMPOSITE % ASSAYS As
					Au	Ag	Cu	Pb	Zn	
8.63-9.13 GRDR silicified and phyllite altered with up to 5% py concentrated in chlorite blebs < 1cm			0.50	18583	0.0003	Tr <0.02	0.0008	0.0005	0.0048	Tr
11.02-11.49 GRDR intensely silicified with a 1cm grey qtz stringer containing up to 5% py, 2% sl, 1% gr			0.47	18584	0.0024	Tr <0.02	0.0015	0.0206	0.0073	Tr
14.23-15.18 GRDR intensely silicified phyllite altered with 2 up to 1cm qtz veinlets, pyrite up to 3% diss			0.95	18585	Tr <0.0002	0.02	0.0025	0.0072	0.0079	0.0030
15.18-15.32 GRDR with a 4cm grey/clear qtz stringer containing 5% py, 3% sphalerite, 2% galena			0.14	18586	0.0002	0.71	0.0254	0.1260	0.2244	0.0120
17.51-17.69 GRDR intensely silicified breccia zone with up to 20% scattered qtz fragments, 1% diss euhedral fg.py			0.18	18587	0.0003	0.02	0.0003	0.0022	0.0042	0.0040
17.91-18.91 GRDR intensely silicified phyllite altered gdr with abundant limonite and leucocyanite, 10% diss fg.py			1.00	18588	0.0018	Tr <0.02	0.0007	0.0051	0.0065	Tr
18.91-19.21 GRDR with 2-4cm sr rich qtz str *Johnny B vein?*			0.30	18589	0.0018	1.68	0.0607	0.1026	0.1836	Tr
19.21-20.21 GRDR intensely silicified phyllitically altered with py up to 2% diss set of 3-4 chlorite blebs			1.00	18590	Tr <0.0002	0.05	0.0045	0.0096	0.0311	Tr

DEP (METERS)	% Core Recy	LITHOLOGY	STRUCTURE	GEOLOGICAL DESCRIPTION	ALTERATION					FRACT INTENSITY	VEINLET INTENSITY
					Si	Prop	Phy	Arg	Po		
A	B	C	D	E							
				2.10-22.71 GRDR CONT							
				21.80-21.83 3cm bleb of qtz with							
				up to 3% py rare sphalerite hematite							
				22.25-22.28 qtz flooded grdr with							
				2% py, 1% sl & gn; 22.34-22.37							
				3cm qtz bleb with up to 10% py							
				2% sphalerite, 1% galena, nqtz							
				22.71-22.91 LOST 0.20 m missing core							
				22.91-23.73 GRDR same as above 22.91-23.00 ground							
				core with ground qtz fragments up to							
				3cm wide containing 20% coarse pyrite							
				5% sphalerite, 1% galena (ground vein?)							
				23.73-23.97 VNQC Johnny B vein? qtz vein with							
				up to 5% calcite, 3% pyrite, 3% sphalerite							
				2% galena, chlorite + hematite in grdr							
				fragments up to 10% of vein, 5% gouge							
				23.97-24.07 GRDR same as above 23.97-24.40							
				fractured with up to 2% clay in fractures							
				24.53 fracture 40° TCA with a 3mm qtz							
				veinlet with chlorite plus up to 20% py							
				10% sl 5% galena, intense phyllic envelopes							
				24.77 3mm qtz veinlet 5% py 2% sl 1% gn							
				25.57-25.60 qtz str with up to 10%							
				py, 3% sl = fl. gn; 26.17-26.21							
				qtz stringer with 5% py 2% sl, 1% gn							
				28.10-28.17 bleached grdr with a 2mm chi qtz							
				veinlet at 28.14 containing 3% py 2% sphalerite							
				29.07-30.00 ANID medium green dyke with 3% chlorite							
				replacing phenocrysts, calcite in the matrix							
				with associated hematite and local calcite							
				veinlets up to 3mm wide 20° TCA, abundant							
				leucosene, py diss up to 1%							
				30.00-45.09 GRDR Fresher grdr than above with							
				distinct plagioclase phenocrysts often							
				replaced by hematite, numerous calcite veinlets							
				at random orientations up to 5%							
				36.74-36.99 intense argillic alteration, weak							
				shear? up to 20% clay gouge in grdr,							
				local hematite on fractures with							
				abundant leucosene throughout							

PAGE 4 OF 12			PROJECT: OCEAN VEIN			HOLE No. 89 562					
MINERALIZATION DESCRIPTION	TOTAL SULPHIDE	INTERVAL	WIDTH	ASSAY NUMBER	% oz/ton Au	% Ag	% Cu	% Pb	% Zn	COMPOSITE % ASSAYS As	
20.21- 21.21 GRDR intensely silicified, phyllic altered, local arg patches, py up to 3%, 1 inch blebs			1.00	18591	0.0004	0.09	0.0061	0.0340	0.0426	Tr	
21.21 - 21.71 GRDR with 7-2mm chlorite veinlets ± one 1cm qtz str containing 7% py 3% sl ± 1% gn			0.50	18592	0.0010	0.57	0.0137	0.0633	0.1458	0.006	
21.71 - 22.71 GRDR intensely silicified, phyllic altered qtz blebs containing up to 18% py, 2% sl ± 1% gn			1.00	18593	Tr ≤ 0.0002	0.26	0.0132	0.1577	0.1472	0.002	
22.91-23.73 GRDR intensely silicified phyllic altered, with ground qtz fragments containing 20% py 5% sl 10% gn			0.82	18594	0.0016	0.69	0.0191	0.1973	0.3670	0.006	
23.73-23.97 VNQC * Johnny B. vein? * qtz vein with up to 5% calcite 3% py 3% sl 2% gn + hematite			0.24	18595	0.0057	0.99	0.0185	0.1173	0.1536	Tr	
23.97 - 24.97 GRDR Fw to vein, intense silicification, local argillic alteration, 2-3mm qtz veinlets with up to 20% py, 10% sl ± 5% galena in qtz			1.00	18596	Tr ≤ 0.0002	0.10	0.0059	0.0592	0.0700	0.011	
25.53 - 26.27 GRDR intense sil & phyl alteration, local qtz stringers with up to 10% py 3% sl 1% gn			0.74	18597	0.0022	0.65	0.0181	0.1025	0.2106	0.011	
36.74 - 36.99 GRDR weak shear with up to 20% gouge cementing grdr fragments - oriented 25° TCA			0.15	18598	Tr ≤ 0.0002	0.05	0.0009	0.0071	0.0106	Tr	

* Johnny B. vein

DEPTH (METERS)	% Core Recy	LITHOLOGY	STRUCTURE	GEOLOGICAL DESCRIPTION	ALTERATION					FRACT INTENSITY	VEINLET INTENSITY	
					Si1 A	Prop B	Phy C	Arg D	Po E			
40				30.00-45.09 GRDR CONT								
				42.41 3mm chlorite veinlet rimmed with red hematite with distinct Potassic altered envelopes 2cm wide, py ≤ 2%								
		GRDR		45.09-45.58 AN/D medium green calcareous matrix with several sheeted calcite veinlets up to 3mm, discontinuous and associated with red hematite, local epidote ≤ 2%, rare py								
		AN/D		45.58-48.06 GRDR same as above, abundant lucoxene, and limonite on fractures, local apatite								
		GRDR		Fine grained zones up to 8cm, py ≤ 1% diss;								
		AN/D		47.49-47.58 Fine grain portion of grdr with abundant chlorite & limonite								
		GRDR		48.06-48.23 AN/D same as above								
		AN/D		48.23-49.56 GRDR orange mottled grdr with abundant limonite on fractures, 49.00-49.56 breccia zone with 30% silicified grdr fragments up to 3cm x 2cm in a convoluted chlorite rich grdr matrix, abundant limonite								
		GRDR		49.56-49.89 AN/D same as above with 10% grdr sheared out fragments caught up in dyke								
		AN/D		49.89-119.19 GRDR Fresh grdr with several Fine grained portions as well as breached sections up to 10cm.								
		GRDR		57.67-57.77 zone with up to 10% hematite as blebs around pyrite ≤ 5%								
				66.35-70.30 mottled grdr with flooding of limonite along abundant fractures weak-moderate silicification, 68.56 m								
				2cm x 1cm bleb of blue hematite rich grdr in brown matrix, ≤ 5% py								
				70.30-83.56 patchy silicification as well as limonitization and local clay on fractures up to 4mm wide								
				72.60 fracture 20° TCA with 3mm of limonitic gouge (weak shear)								
				74.74-74.77 weak shear as chlorite plus limonite flood grdr 55° TCA								
				76.68-76.76 brecciated zone with up to 15% grdr fragments caught up in 55° zone								

DEPTH (MET)	% Core Recy	LITHOLOGY	STRUCTURE	GEOLOGICAL DESCRIPTION	ALTERATION					FRACT INTENSITY	VEINLET INTENSITY	
					Sil A	Prop B	Phy C	Arg D	Po E			
120		GOUGE		119.90-120.77 GOUGE grey fault gouge with 5% chloritic fragments up to 2cm wide. HW contact 30° TCA, FW 35° TCA, intense prop. alteration at both FW: HW contacts								
130		RH BX		120.77-134.00 RH BX grey gouge rich breccia of up to 30% fragments → chlorite blebs, angular rhyolite frags up to 3cm wide, grdr? frags and 2% diss py in gouge, chlorite along fractures								
				125.64-126.27 same as above with up to 30% gouge (perussive) py < 2%								
				127.06-127.13 distinct shear within RH BX of convoluted chlorite veinlets 40° TCA								
				131.58-131.97 blocky core, 15% gouge								
		GRDR		134.00-144.59 GRDR silicified bleached with local brecciation up to 3cm wide consisting of angular RYID fragments up to 5% in a fine grained grdr matrix								
140				134.69-135.89 silicified grdr with dark green chlorite veinlets surrounding clear qtz fragments up to 3x2cm and 20% of core, *OCEAN VEIN?*, sx up to 5% - py 3% sl 2%, gn 1%								
				135.31-135.35 grey qtz str. up to 2% py : 1% sl - gn, stringer 35° TCA								
				138.53-138.61 badly ground core								
				139.80-140.05 7 chl + sx veinlets in phyllic altered grdr, silicified								
				141.54 3mm zone of chl veinlets + Fq sx								
150				144.59-145.58 RYID drab green with chlorite veinlets with associated up to 10% py, 3% sl, 3% galena; HW 45° TCA								
				145.58-147.40 RH BX 145.58-145.74 dark grey with 40% gouge, frags up to 60%; 145.74-147.40 breccia of angular bleached rhyolite fragments up to 4cm wide in a fine grey rhyolite matrix (up to 20%)								
				147.40-150.40 GRDR same as above, more bleached								
				150-150.40 abundant brecciation and bleaching								

PAGE 10 OF 12			PROJECT: OCEAN VEIN					HOLE No. 89 562				
MINERALIZATION DESCRIPTION	TOTAL SULPHIDE	INTERVAL	WIDTH	ASSAY NUMBER	% Au	% Ag	% Cu	% Pb	% Zn	COMPOSITE % ASSAYS		
					OZ / ton							
					Au	Ag	Cu	Pb	Zn	ds		
119.19 - 119.90 RYID grey green sheared Rhyolite with convoluted chlorite veinlets, RYID clasts up to 5%			0.69	18604	0.0004	0.03	0.0014	0.0082	0.0162	0.009		
119.90 - 120.77 (SOUGE) grey fault gouge, 5% chloritic fragments			0.87	18605	0.0005	0.03	0.0018	0.0140	0.0161	0.004		
120.77 - 121.77 RH BX grey green rhyolite breccia with up to 30% chloritic qdr? fragments, 10% gouge			1.00	18606	Tr <0.0002	0.14	0.0054	0.0232	0.0162	0.013		
125.64 - 126.27 RH BX with up to 30% grey pervasive gouge, fragments obscure but up to 15%, py < 2%			0.63	18607	0.0004	0.04	0.0016	0.014	0.0158	0.010		
134.00 - 134.69 GRDR silicified local by zone with up to 5% RYID fragments in a f.g. qdr matrix			0.69	18608	Tr <0.0002	Tr <0.02	0.0011	0.0031	0.0049	0.007		
134.69 - 135.18 GRDR silicified with up to 20% angular qtz fragments and py up to 3%, sl 2%, gn 1%			0.49	18609	0.0010	0.38	0.0032	0.4590	0.0049	0.010 G		
OCEAN VEIN? * Fragments?												
135.18 - 135.89 GRDR with a 4 cm qtz str and 2% py, 1% sl + gn			0.71	18610	<0.0002	0.02	0.0009	0.0142	0.0060	0.0050 OCEAN VEIN? NO PRECIPITATION		
OCEAN VEIN? *												
135.89 - 136.89 GRDR silicified with local chlorite veinlets py up to 2% diss + ss in chlorite veinlets			1.00	18611	<0.0002	0.03	0.0012	0.0203	0.0172	0.0020		
139.20 - 140.05 GRDR silicified with 7 chlorite veinlets and up to 5% py plus f.g. ss on fractures			0.25	18612	0.0010	0.09	0.0011	0.0612	0.0019	0.019		
144.59 - 145.58 RYID silicified with numerous chlorite veinlets with assoc ss - py up to 10%, sl 3%, gn 3%			0.99	18613	0.0085	0.17	0.0085	0.0650	0.0957	0.003		
145.58 - 145.74 RH BX with up to 40% gouge cementing rhyolite fragments			0.16	18614	Tr <0.0002	0.04	0.0023	0.0168	0.0209	0.010		

[illegible]