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

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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

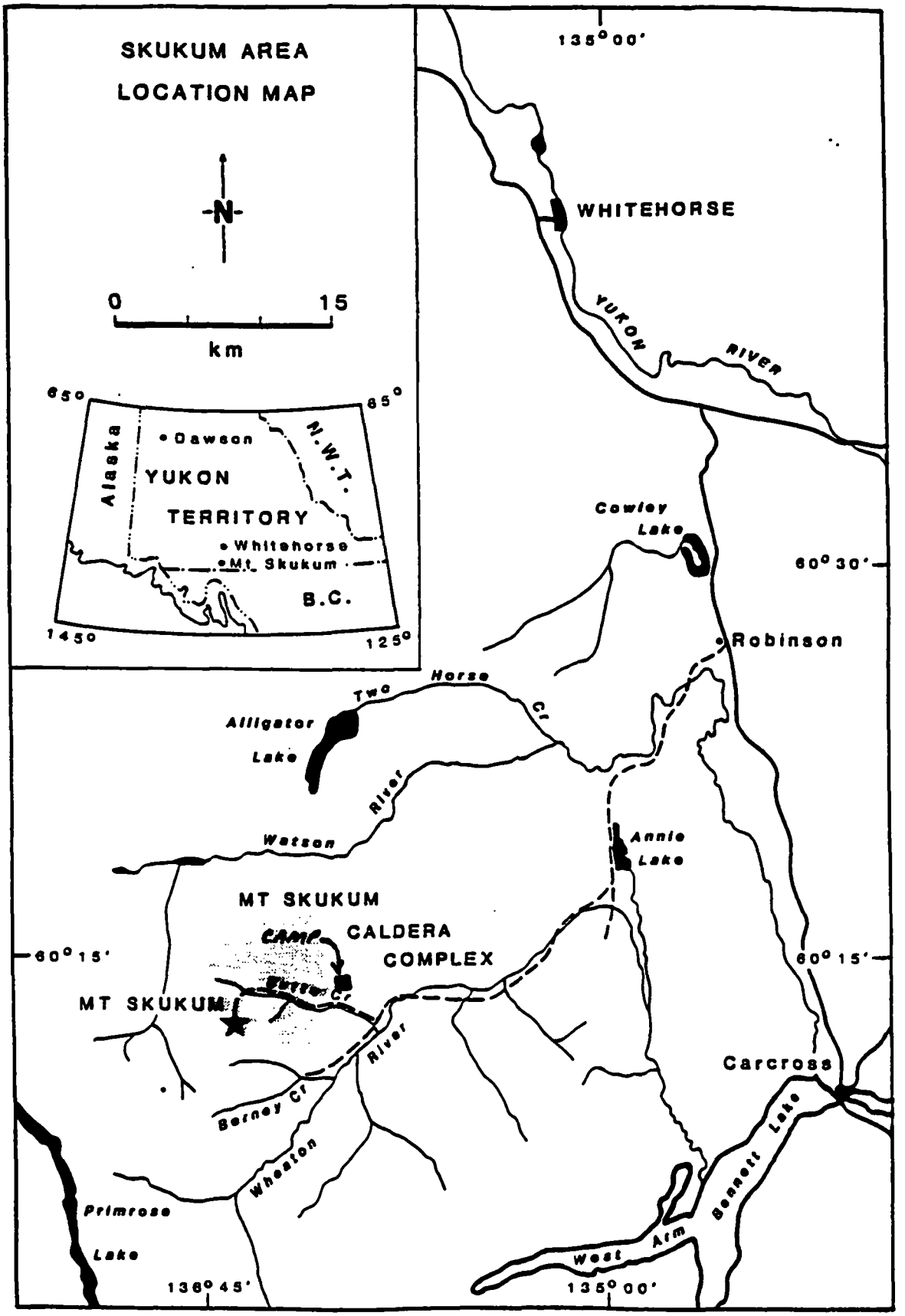

Figure 1. Location map of Mount Skukum area showing the access road and proximity to Whitehorse, Yukon Territory (from McDonald, 1987).

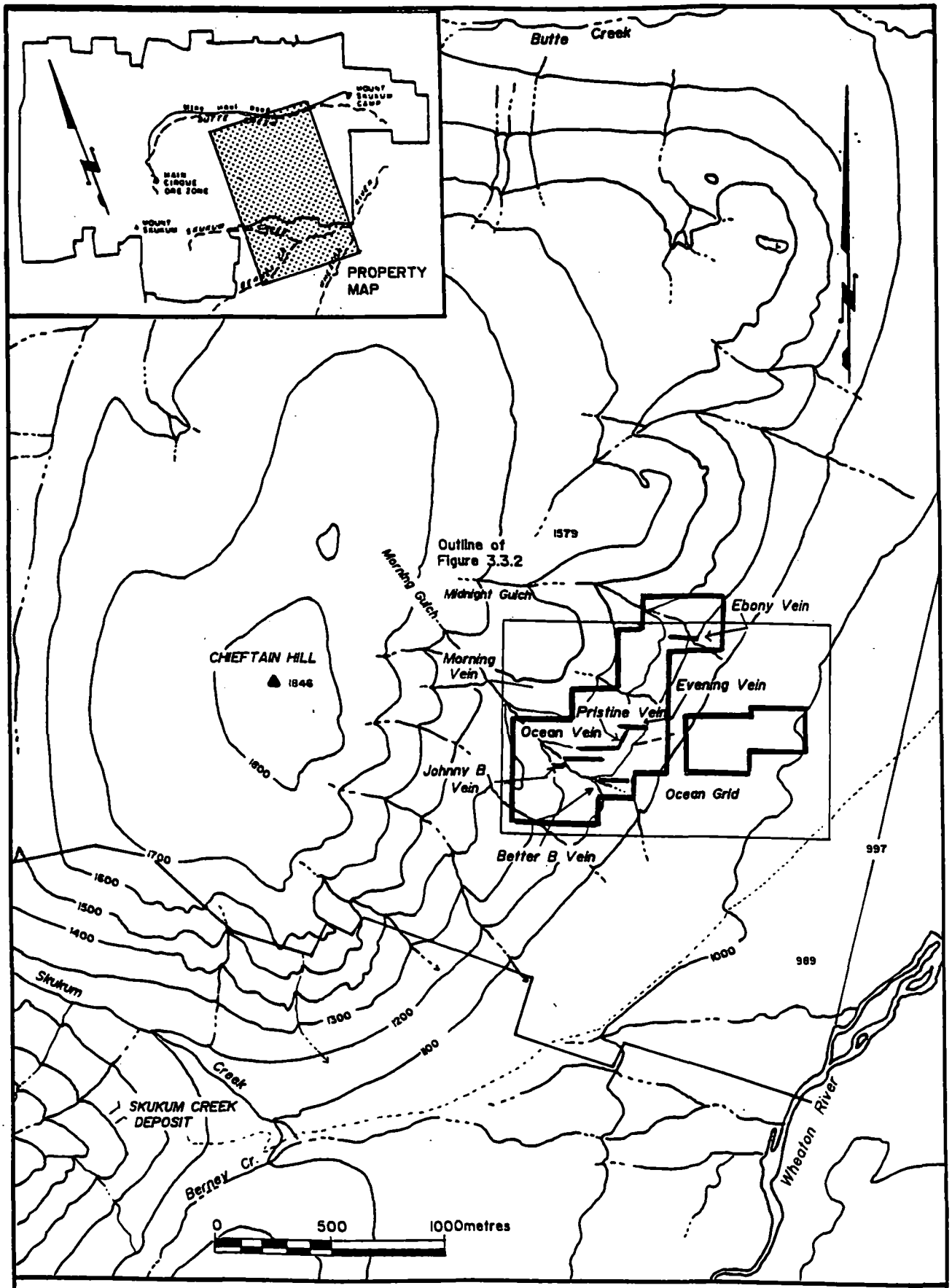

Figure 2. Location of Chieftain Hill Area

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

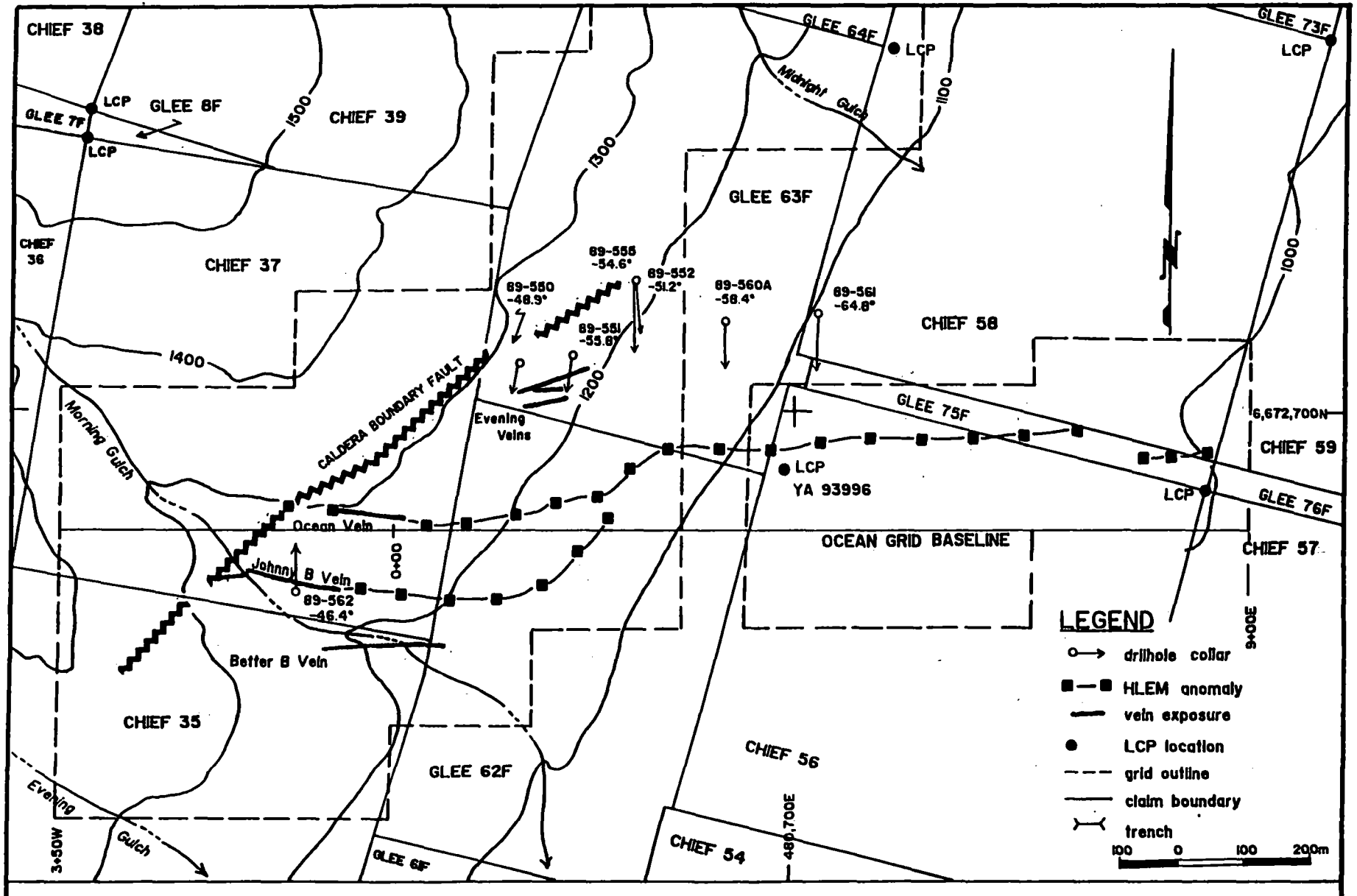

Figure 3. Location of Ocean grid, veins, claim boundaries and 1989 drill hole collars.

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 chalcopyrite. 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.

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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											
20014	INSTRUMENT & EQUIPMENT RENTAL										1,062.35	1,062.35
20015	DRAFTING									5.80	59.16	64.96
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 Co	Dept Code	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 BORNTRAEGER	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.GC#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 Coo	Dept Code	Pd	S	Date	Account Name / 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	*
20.					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 Cou	Dept Code	Pd	S	Date	Account Name / 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

Acct Code	Dept Code	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

Acct Code	Dept Code	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 Co..	Dept Code	Pd	S	Date	Account Name / 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	*
2C					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				

028535 ABANDONMENT				* BALANCE FORWARD				3,125.95
				* TOTALS		0.00	*	3,125.95 *
029101 GENERAL-LABOUR				* BALANCE FORWARD				105,459.15
	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		
Aug /89.	31 AUG 89	1-8-2	14	INTER-CO.EGM RE:AUG.MSP	1	341.00		
				* TOTALS		38,251.26	*	143,710.41 *
029102 GENERAL-DRAFTING LABOUR-SUPPLY				* BALANCE FORWARD				8,059.76
	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
	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
	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		- CUN AIRLINES
				* TOTALS		1,506.61	*	9,793.18 *

MOUNT SKUKUM GOLD MINING J/V — 20 SEP 89

GENERAL LEDGER ANALYSIS — PAGE 5

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 * TOTALS
31 AUG 89 1-8-5 21 * BALANCE FORWARD
029110 GENERAL-GEOPHYSICS 25 CODING ASSAY ACCRUAL
89 JUL 19 RECLAS. G/L#2 11,070

				* TOTALS		11,070.05 *	31,938.00 *	
GENERAL - ASSAY & ANALYSIS				* BALANCE FORWARD			0.00	
	31 AUG 89	1-8-4	21	CODING ASSAY ACCRUAL	1	26,186.31		
	31 AUG 89	1-8-5	25	RECLAS. GJ#24	1	7,000.00		
				* TOTALS		33,186.31 *	33,186.31 *	
029110 GENERAL-GEOPHYSICS				* BALANCE FORWARD			40,778.49	
	89 JUL 19	001404	006601	GED-PHYSI-CON		16,418.76		
	31 AUG 89	1-8-2	10	REV.JUL.ACRLS GJ#21,22&23	1	16,418.76CR		
	31 AUG 89	1-8-2	11	AUGUST ACCRUALS-VARIOUS	1	2,823.50		
				* TOTALS		2,823.50 *	43,601.99 *	
029111 GENERAL-SUPPLY				* BALANCE FORWARD			16,293.56	
	89 AUG 02	002125	006518	BONDAR-CLEGG & COMPANY LT		332.00		
	89 JUL 31	055057	006519	BEAVER LUMBER		62.41		
	89 AUG 05	005327	006600	INTEGRAPHICS		247.05		
	89 SEP 13	290689	006510	NEVILLE CROSBY INC.		187.72		
	89 AUG 07	010000	006580	TOTAL NORTH COMMUNICATION		57.50		
	89 AUG 23	057612	006645	YUKON PHOTOCOPY LTD		26.00		
	89 JUL 31	035713	006640	YUKON OFFICE SUPPLIES		32.31		
	89 AUG 07	035851	006640	YUKON OFFICE SUPPLIES		57.03		
	89 JUL 06	061836	006544	YUKON BUILDING SUPPLIES L		623.80		
	31 AUG 89	1-8-2	11	AUGUST ACCRUALS-VARIOUS	1	318.29		
	31 AUG 89	1-8-2	12	INTER-CO.TERL VIA MSGNJV	1	217.07		
				* TOTALS		2,161.18 *	18,454.74 *	
029113 GENERAL-VEHICLES				* BALANCE FORWARD			16,763.75	
	89 AUG 23	038101	006602	ARC-REC TOWING		155.00		
	89 AUG 14	140889	006618	BRUCE MCDONALD		198.20		
	89 JUL 18	180789	006618	BRUCE MCDONALD		214.76		
	89 JUL 20	094150	006702	NORTHLAND SERVICES		19.00		
	89 JUL 06	093670	006702	NORTHLAND SERVICES		31.00		
	89 JUL 31	003127	004788	NORCAN LEASING LTD.		1,000.00		
	89 JUN 30	003128	004788	NORCAN LEASING LTD.		33.33		
	89 JUN 28	012576	006532	WHITEHORSE MOTORS LIMITED		454.36		
	89 JUL 12	012954	006546	WHITEHORSE MOTORS LIMITED		2.80		
	89 JUL 07	012869	006546	WHITEHORSE MOTORS LIMITED		338.69		
	89 JUL 20	013245	006627	WHITEHORSE MOTORS LIMITED		32.25		

G/L ACCT	DATE	INVOICE	P.O.#	DESCRIPTION	I D	CURRENT MONTH	BALANCE 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 *

				* TOTALS		6,133.78 *	22,897.53 *
GENERAL-FOOD & CAMP CHARGES				* BALANCE FORWARD			25,311.88
	89 AUG 16	G21707	006557	KELLY, DOUGLAS & COMPANY,		151.08	
	89 AUG 16	021760	006557	KELLY, DOUGLAS & COMPANY,		28.70	
	89 AUG 16	021709	006557	KELLY, DOUGLAS & COMPANY,		154.75	
	89 AUG 16	021708	006557	KELLY, DOUGLAS & COMPANY,		250.13	
	89 AUG 07	019060	006555	KELLY, DOUGLAS & COMPANY,		92.59	
	89 AUG 10	016674	006555	KELLY, DOUGLAS & COMPANY,		413.89	
	89 JUL 28	006883	006555	KELLY, DOUGLAS & COMPANY,		243.25CR	
	89 JUL 28	006884	006555	KELLY, DOUGLAS & COMPANY,		62.97CR	
	89 JUL 28	006882	006555	KELLY, DOUGLAS & COMPANY,		67.34CR	
	89 AUG 10	009815	006555	KELLY, DOUGLAS & COMPANY,		90.80	
	89 AUG 09	021094	006555	KELLY, DOUGLAS & COMPANY,		143.51	
	89 AUG 09	021120	006555	KELLY, DOUGLAS & COMPANY,		15.47	
	89 AUG 22	013176	006559	KELLY, DOUGLAS & COMPANY,		181.90	
	89 AUG 16	021707	006559	KELLY, DOUGLAS & COMPANY,		34.96CR	
	89 AUG 24	016938	006559	KELLY, DOUGLAS & COMPANY,		366.40	
	89 AUG 24	010193	006559	KELLY, DOUGLAS & COMPANY,		93.60	
	89 AUG 23	022281	006559	KELLY, DOUGLAS & COMPANY,		67.35	
	89 AUG 31	018680	006619	KELLY, DOUGLAS & COMPANY,		258.50	
	89 AUG 28	016942	006619	KELLY, DOUGLAS & COMPANY,		66.87	
	89 AUG 28	016943	006619	KELLY, DOUGLAS & COMPANY,		42.48	
	89 AUG 30	014268	006619	KELLY, DOUGLAS & COMPANY,		17.38CR	
	89 AUG 31	010361	006619	KELLY, DOUGLAS & COMPANY,		72.00	
	89 AUG 30	022953	006619	KELLY, DOUGLAS & COMPANY,		91.20	
	89 AUG 14	013242	006557	KELLY, DOUGLAS & COMPANY,		177.14	
	89 AUG 15	016818	006557	KELLY, DOUGLAS & COMPANY,		123.97	
	89 AUG 17	017011	006557	KELLY, DOUGLAS & COMPANY,		314.76	
	89 AUG 17	010023	006557	KELLY, DOUGLAS & COMPANY,		81.75	
	89 AUG 07	009152	006556	YUKON MEAT & SAUSAGE		40.74	
	89 AUG 10	009238	006556	YUKON MEAT & SAUSAGE		681.34	
	89 AUG 10	009239	006556	YUKON MEAT & SAUSAGE		145.56	
	89 AUG 17	009328	006558	YUKON MEAT & SAUSAGE		545.00	
	89 AUG 17	009329	006558	YUKON MEAT & SAUSAGE		101.54	
	89 AUG 14	009276	006556	YUKON MEAT & SAUSAGE		211.52	
	89 AUG 22	009330	006560	YUKON MEAT & SAUSAGE		41.12	
	89 AUG 24	009399	006560	YUKON MEAT & SAUSAGE		753.06	
	89 AUG 31	009468	006220	YUKON MEAT & SAUSAGE		599.48	
	89 AUG 28	009467	006220	YUKON MEAT & SAUSAGE		20.90	
	31 AUG 89	1-8-1	4	VARIOUS MANUAL AUG. CHQ'S	1	1,252.61	
	31 AUG 89	1-8-1	7	RECLAS.GJ#252-GREY MNTN.	1	400.00CR	
	31 AUG 89	1-8-2	11	AUGUST ACCRUALS-VARIOUS	1	599.48	
	31 AUG 89	1-8-5	24	LATE AUGUST ACCRUAL	1	7,300.00	
				* TOTALS		14,745.29 *	40,057.17 *

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 *

029101 GENERAL-LABOUR				* BALANCE FORWARD				61,958.11
	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		
Jul 89	31 JUL 89	1-7-1	7	PAYROLL MS1 JULY 15/89	1	750.00CR		
	31 JUL 89	1-7-1	9	MSGNJV-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	OJL/89	006623	NORTHWESTEL		289.75		
	89 JUL 20	JUL/89	006623	NORTHWESTEL		512.04		
				* TOTALS		1,712.66	*	8,286.57 *

ECT	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 *

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	I	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				* BALANCE FORWARD				18,789.03
	89 JUL 06	MN6503	006503	KELLY, DOUGLAS & COMPANY,		1,109.93		
	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	008979	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				* BALANCE FORWARD				3,175.31
				* TOTALS		0.00	*	3,175.31 *
029117 GENERAL-TRAVEL				* BALANCE FORWARD				11,405.06
				* TOTALS		0.00	*	11,405.06 *

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 HELI.ACC.JNE&JLY	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	005208	004792	WHITEHORSE MOTORS LIMITED		110.60			
					* TOTALS		1,440.72	*	5,272.22	*

028571 VEHICLE FUEL				* BALANCE FORWARD				398.00
	89 JUN 30	300689	006166	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 MSI JUNE 1-15/89	1	16,244.76		
	30 JUN 89	1-6-1	2	PAYROLL MSI JUNE 16-30/89	1	16,757.11		
	30 JUN 89	1-6-1	4	MSGMJV-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 GJ#16 & GJ#10	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 *

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		682.74			
		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,		1,297.99			
		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	*

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

SKUKUM GOLD MINING J/V — GENERAL LEDGER ANALYSIS

PERIOD END: 30 JUN 89

G/L ACCT	DATE	INVOICE	P.O.#	— DESCRIPTION —	I/D	CURRENT MONTH	BALANCE YTD
029125 GENERAL-D.DRILL(SFC)							
	89 JUN 01			* BALANCE FORWARD			0.00
	30-JUN-89	856413	004789	WHITE PASS PETROLEUM SERV	1	4,290.00	
	30 JUN 89	1-6-2	13	JUNE MONTH-END-ACCRUALS	1	42,354.26	
		1-6-4	18	JUNE DRILLING ACCRUAL	1	30,891.94	
				* TOTALS		77,536.20 *	77,536.20 *
029127 GENERAL-ELECTRIC SUPPLY							
	89 JUN 13			* BALANCE FORWARD			1,376.40
	30-JUN-89	000560	006525	INDUSTRIAL ELECTRIC SERVI		1,255.10	
		1-6-1	234	INDUSTRIAL POWER RENTALS	1	1,200.00	
				* TOTALS		2,455.10 *	3,831.50
				* BALANCE FORWARD			4,500.00

					* TOTALS		0.00	*	378.00 *
029101	GENERAL-LABOUR				* BALANCE FORWARD				20,844.86
		31 MAY 89	1-5-1	GJ#1	PAYROL MS1-MAY 1-15/89	1	3,768.68		
May /89		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	MSGMJV-PAYROLL MAY/89	1	86.25		
					* TOTALS		9,910.97	*	30,755.83 *
029102	GENERAL-DRAFTING LABOUR-SUPPLY				* BALANCE FORWARD				5,344.73
		89 MAY 11	072525	004681	NEVILLE CROSBY INC.		35.92		
		89 MAY 31	04951	006573	INTEGRAPHICS		246.40		
		89 MAY 31	004950	006574	INTEGRAPHICS		80.00		
		89 MAY 12	060724	004680	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	CQ216	NORTHWESTEL	1	1,097.01		
		31 MAY 89	1-5-2	CQ226	NORTHWESTEL	1	475.12		
		89 MAY 25	840701	000000	NORTHWESTEL		5.71		
		89 MAY 25	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	CQ214	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	006573	INTEGRAPHICS		54.75		
		89 MAY 23	056704	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		

A/C #	DATE	INVOICE	P.O.#	--- DESCRIPTION ---	J O	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	*	15,144.18	*
029113 GENERAL-VEHICLES				* BALANCE FORWARD				7,063.08	
	31 MAY 89	1-5-2	CQ214	BRUCE MCDONALD	1	374.15			
	31 MAY 89	1-5-2	CQ227	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	CQ225	GREY MTN. 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	349246	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		259.33			
	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	120.60			
				* TOTALS		567.35	*	941.74	*
029117 GENERAL-TRAVEL				* BALANCE FORWARD				3,923.53	
	31 MAY 89	1-5-2	CQ214	BRUCE MCDONALD	1	64.71			
	31 MAY 89	1-5-2	CQ215	BRUCE MCDONALD	1	325.18			
	31 MAY 89	1-5-2	CQ224	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	*

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	INU. ELECTRIC SERVICES	1	1,200.00			
	89 MAY 31	523936	004790	WHITE PASS PETROLEUM SERV		176.40			
				* TOTALS		1,376.40	*	1,376.40	*

029101 GENERAL-LABOUR				* BALANCE FORWARD				14,066.40
	30 APR 89	1-4-1	30	MSGMJV-PAY-APR.15/30-1989	1	85.00		
Apr 89	30 APR 89	1-4-1	33	PAYROLL MS1 APR.1-15/89	1	2,058.23		
	30 APR 89	1-4-1	34	PAYROLL MS1 APR.16-20/89	1	3,835.23		
				* TOTALS		5,978.46	*	20,044.86 *
029102 GENERAL-DRAFTING LABOUR-SUPPLY				* BALANCE FORWARD				2,498.18
	30 APR 89	1-4-1	41	INTER-CO.MSGMC-R.B/K.C.	1	1,541.25		
	89 FEB 28	004534	004754	INTEGRAPHICS		15.40		
	89 FEB 28	004570	004754	INTEGRAPHICS		193.36		
	89 MAR 14	053445	004656	DOMINION BLUEPRINT & REPR		50.25		
	89 FEB 28	004533	004755	INTEGRAPHICS		9.14		
	89 MAR 31	004730	004799	INTEGRAPHICS		67.50		
	89 APR 25	058332	004677	DOMINION BLUEPRINT & REPR		105.00		
	89 APR 07	056309	004673	DOMINION BLUEPRINT & REPR		168.25		
	89 APR 13	056984	004675	DOMINION BLUEPRINT & REPR		150.00		
	89 APR 26	058427	004678	DOMINION BLUEPRINT & REPR		550.40		
				* TOTALS		2,850.55	*	5,344.73 *
029104 GENERAL-OFFICE-RENT-POWER				* BALANCE FORWARD				2,823.55
	30 APR 89	1-4-1	35	APR.ACCRUAL-NORTHWESTEL	1	1,097.01		
	89 MAR 01	000001	004756	DANA COMMERCIAL CREDIT CA		89.06		
	89 APR 20	8-3968	004065	NORTHWESTEL		147.47		
	89 APR 20	8-5650	000000	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	APR.ACCRUAL P.BUTTE SALES	1	80.70		
	30 APR 89	1-4-2	45	APR.ACCRUAL DOUG REDDY	1	13.90		
	89 APR 26	00EXP.	004066	BRUCE MCDONALD		17.29		
	88 JUN 11	006502	005970	TOTAL NORTH COMMUNICATION		162.50		
	89 FEB 23	032424	004757	YUKON OFFICE SUPPLIES		45.00		
	89 MAR 07	032633	004761	YUKON OFFICE SUPPLIES		275.00		
	89 APR 24	033672	004067	YUKON OFFICE SUPPLIES		236.93		
				* TOTALS		831.32	*	2,909.74 *

G/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	*	7,063.08 *
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				2,176.64
		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 *	396.80 *
029101	GENERAL-LABOUR				* BALANCE FORWARD			10,633.20
		15 MAR 89	1-3-1	16	PAYROLL-MS1-MAR.15/89	1	2,058.23	
Mar /89		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 *

G/L ACCT	DATE	INVOICE	P.O.#	— DESCRIPTION —	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	MSGNJV-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 *

G/L ACCT	DATE	INVOICE	P.O.#	— DESCRIPTION —	I U	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		2.06		
		31 JAN 89	5-1-4		ACT. FILM DOM. BLUEPRINT	1	291.10		
					* TOTALS		2,494.16	*	2,494.16 *
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	036586	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.		206.70		
		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 *

G/L ACCT	DATE	INVOICE	P.O.#	--- DESCRIPTION ---	I D	CURRENT MONTH		BALANCE YTD	
029110 GENERAL-GEOPHYSICS				* BALANCE FORWARD				0.00	
	88 AUG 31	001227	004745	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 EXPED		10.00			
	89 JAN 05	002008	004740	SPEEDY DELIVERY AND EXPED		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 CORPOR		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	402381	000000	WHITE PASS PETROLEUM SERV		41.00			
	88 SEP 30	300988	000000	WHITE PASS PETROLEUM SERV		1,018.60CR			
	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	*
029303 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).

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).

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).

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.

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).

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%).

Readability: Analog in-phase and quadrature 0.05% to 0.5%, analog tilt 1% grade. (Digital in-phase and quadrature 0.1%).

Repeatability: ±0.05% to ±1% normally, depending on frequency, coil separation & conditions.

Signal filtering: Powerline comb filter; continuous spherics noise clipping, autoadjusting time constant and other filtering.

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 Atm²	1760 Hz: 160 Atm²
220 Hz: 215 Atm²	3520 Hz: 80 Atm²
440 Hz: 210 Atm²	7040 Hz: 40 Atm²
880 Hz: 200 Atm²	14080 Hz: 20 Atm²

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.

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-6½Ah) in canvas belt. Optional 12V-8Ah light duty belt pack available.

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.

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.

Shipping weight: 59 kg plus weight of reference cables at 2.5 kg per 100 metres plus other optional items if any.

Standard spares: One spare transmitter battery pack, one spare transmitter battery charger, two spare transmitter retractile connecting cords, one spare set receiver batteries.

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	± 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°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°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

E D A 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.
E D A 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

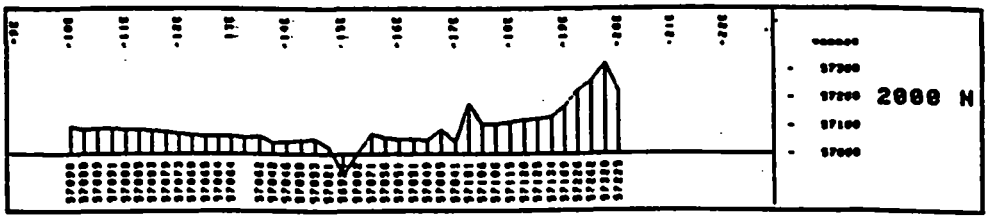
The OMNI IV can transfer uncorrected or corrected field data into any computer with an RS 232C port through the EDA universal communications interface. Computers with collection packages including either "X-ON, X-OFF" or "ENQ/ACK" communication protocol formats are also compatible.

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.
4. Fast Fourier Transform program 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 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.

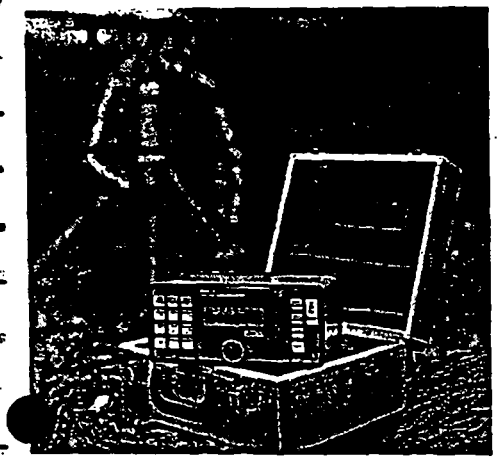
Choice of Sensor Separation

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.

EDA

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  57506.2  .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     D
31+00 E    494.3  .10      14.1  15:00:35  8
31+50 E    494.6  .08      11.7  15:00:43  8
32+00 E    494.3  .08      10.7  15:00:47  8
32+50 E    486.9  .10      15.0  15:00:51  8
33+00 E    481.4  .08      22.7  15:00:56  8
33+50 E    481.6  .07      21.5  15:01:00  8
34+00 E    498.9  .07      12.2  15:01:05  8
34+50 E    505.6  .09       9.3  15:01:09  8
35+00 E    498.4  .08      12.7  15:01:17  8
```

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 cartridge 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-point(s). 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

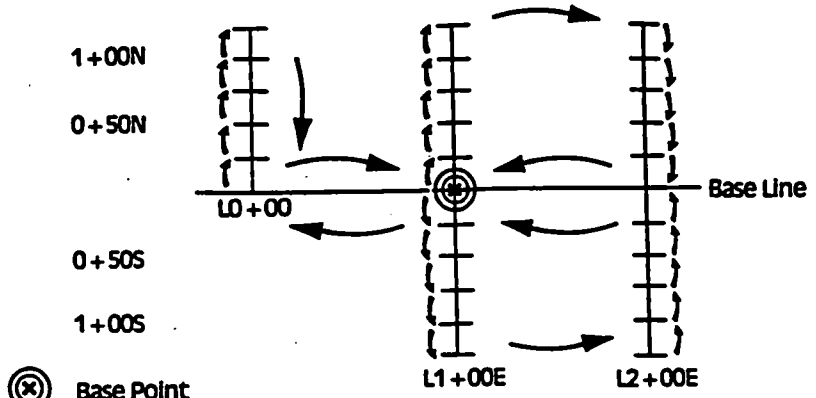
Diurnal corrections, using the tie-line method, can be done automatically by the OMNI IV, eliminating hours of manual and tedious calculations. Corrected data can then be directly transferred to a computer for further data processing.

Flexibility of "Tie-Line"

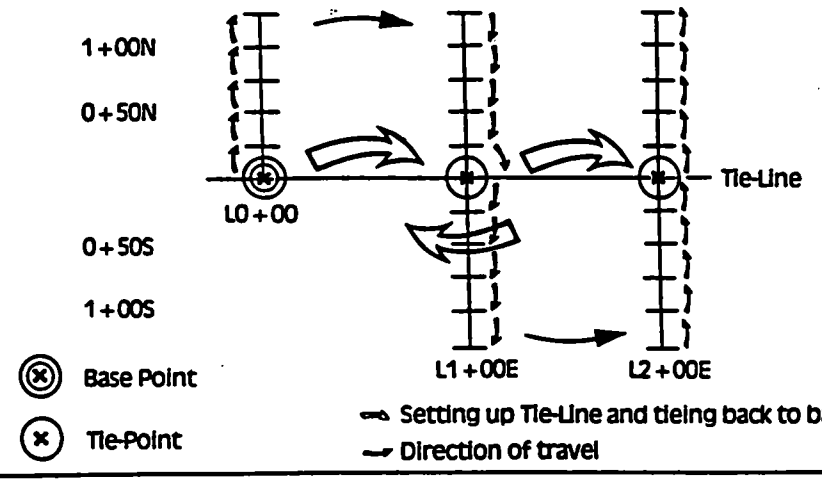
The OMNI IV "tie-line" system offers e operator the flexibility of noosing the most appropriate tie-line method best suited for the survey, depending upon the size and character of the grid. The operator can choose from:

- 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

OMNI IV "Tie-Line" Magnetometer

The OMNI IV microprocessor-based "Tie-Line" Magnetometer incorporates a number of features designed to facilitate the storage, reduction and presentation of total field magnetic data.

Major Benefits

- **Four Magnetometers in One**

The OMNI IV has been designed to operate in four different operating modes:

1. As a self correcting or tie-line magnetometer (See page 3)
2. As a portable field magnetometer (See page 4)
3. As a recording base station magnetometer (See page 5)
4. As a true simultaneous gradiometer. (See page 6)

The standard OMNI IV incorporates the portable field magnetometer with "tie-line" capability, and the system may be upgraded to include the base station and/or the gradient configuration.

All of the data collected in any one of these four operating modes is stored and protected in a solid state memory.

- **Self Correcting for Diurnal Variations**

When used in the "tie-line" mode, the OMNI IV automatically corrects itself for variations in the earth's magnetic field. By tieing back into one tie-point or tie-line(s) on the grid over the day or over the duration of the survey, the OMNI IV automatically calculates and applies the drift measured to the data stored. Data is corrected using the linear interpolation method.

- **Reduced Instrumentation Requirements**

Only one OMNI IV is needed to measure, store total field and gradient data and automatically correct the total field magnetic data, when in the tie-line mode.

The flexibility of the OMNI IV allows the user to purchase one console and through the use of different sensors or software create their choice of four different magnetometers.

- **25% Weight Reduction**

The OMNI IV has been designed so that it is 25% lighter than EDA's existing PPM-350/375 OMNIMAG units for a total weight of 4 kg. This weight reduction has been achieved by the design of a smaller console and by the use of a lighter rechargeable or disposable power source.

- **User Friendly Keypad Operation**

The OMNI IV incorporates two keypads; one for programming the unit for time and grid co-ordinates and the other for the recording of data. Once the OMNI IV has been programmed for the day's survey, the operator need only use the recording keypad for data storage. Recording of data is accomplished by pressing only 2 recording keys sequentially. A "Clear" data key has been incorporated to edit the previous reading stored in memory.

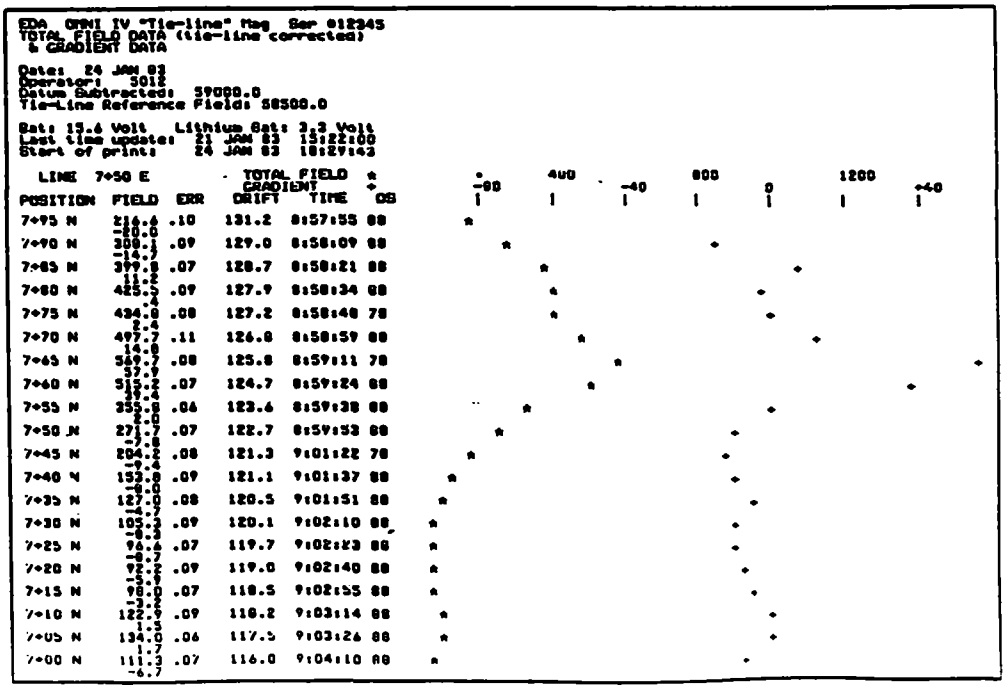
- **Universal Computer Interface**

A simple, low cost, communication interface between the OMNI IV or OMNIMAG Series and any microcomputer is now available. This communication interface provides the necessary handshake requirements for the OMNI IV to dump directly into any microcomputer with ASCII code, into any standard parallel printer, or into many available serial magnetic tape recorders.

- **Comprehensive Software Programs**

HP 85 and CP/M software packages for most computers such as IBM PC, APPLE, KAYPRO, OSBORNE, etc. are available to enable the user to edit the data, obtain line profiles and create plot files.

Many filtering programs are offered for further data analysis such as the Fast Fourier Transform, the Frequency Domain Filters or the Upward-Downward Continuation. Additional programs are also available to transfer the data from microcomputers to mainframes.



Profile Plot of Total Field and Gradient Data

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°
	TOTAL LENGTH: 242.93
LOGGED BY: J BLACK	HORIZONTAL PROJECT: 161.72
DATE: JUNE 6 1989	VERTICAL PROJECT: -181.25
CONTRACTOR: ADVANCED DRILLING	
CORE SIZE: BQ	
DATE STARTED: JUNE 6, 89	
DATE COMPLETED: JUNE 11 /89	

DIP TESTS

200' (60.96m)	-49°
400' (121.92m)	-48°
610' (185.93m)	-48°
797 (242.93m)	-47°

ALTERATION SCALE

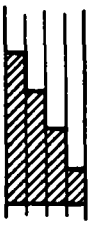
absent

slight

moderate

intense

TOTAL SULPHIDE SCALE



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	FW->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	FW->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	K-SECTION
153.92	193.03	-48.00	101.84	1163.63	77.59	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->OCEAN EVENING VEIN
226.40	193.03	-47.00	150.49	1109.91	30.30	N	4.0	E	2.01	W	FW->GOUGE
227.38	193.03	-47.00	151.16	1109.19	29.64	N	4.0	E	2.16	W	FW->OCEAN EVENING VEIN
242.93	0.00	0.00	161.76	1097.82	19.31	N	4.0	E	4.55	W	END OF HOLE

PAGE 1 OF 55 | PROJECT: OCEAN VEIN | HOLE No. 89

DEPTH (MFS)	% Core Recy	LITHOLOGY	STRUCTURE	GEOLOGICAL DESCRIPTION	ALTERATION SIL A	PROP B	PHY C	ARG D	E	FRACT INTENSITY
0				0-2.35 OIB						
2		OIB								
		AN/D		2.35-3.53 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										
4		SIL TCA		55° TCA at 2.6m in a 2cm zone where the veinlets are sheeted and scattered, minor limonite on fractures						
		GRDR		3.53-7.18 GRDR equigranular feldspar & plag 3-4mm grains with abundant limonite giving rock a brownish color,						
6				scattered qtz veinlets 1-4mm, limonite blebs (replacing primary diss sx?) up to 2mm lined coating fractures minor py in carbonate veinlets, chlorite selvages along veinlets						
		AN/D		7.18-7.50 An/D as described above slightly more bleached, completely iron stained						
8										
		GRDR		7.50-9.85 GRDR is above but becoming more bleached, sporadic 1-3mm chl-qtz veinlets with f.g diss py & gn (<1%) and						
10		AN/D								

PAGE 2 OF 55 | PROJECT: OCEAN VEIN | HOLE No. 89-550

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

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

PAGE 4 OF 55 | PROJECT: OCEAN VEIN | HOLE No. 89 550

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

DEPTH (METRES)	% Core Recy	LITHOLOGY	STRUCTURE	GEOLOGICAL DESCRIPTION	ALTERATION SIL A	PROP B	PHY C	ARG D	E	FRACT INTENSITY
		GRDR		13.72-13.98 ANID 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						
		ANID								
16				alteration envelopes contain finegrained sx py >gn						
		GRDR		15.35-15.95 ANID as above with a fragment (12cm) of GRDR enclosed in andesite, limonitic qtz calcite veinlets at random orientations throughout interval						
18		ANID								
				15.95-17.60 GRDR as above with increased phyllic alteration at lower contact with ANID, 2 qtz veinlets per meter 1-2mm						
20		GRDR		17.60-19.40 ANID as above						
				19.40-22.22 GRDR intense phyllic alteration minor crosscutting aplite dykes and veins, minor [illegible]						

PAGE 6 OF 55 | PROJECT: OCEAN VEIN | HOLE No. 89550

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

PAGE 7 OF 55 | PROJECT: OCEAN VEIN | HOLE No. 89550

DEPTH (METRES)	% Core Recy	LITHOLOGY	STRUCTURE	GEOLOGICAL DESCRIPTION	ALTERATION SIL A	PROP B	PHY C	ARG D	PO E	FRACT INTENSITY
22		GRDR		19.40-22.22 GRDR CONT veinlets with chlorite selvages 1mm-1cm, 5/m						
		ANID		22.22-22.64 ANID as above with <1% coarse py in fractures						
23		GRDR		22.64-24.38 GRDR as above						
				24.38-25.38 ANID as above						
				25.38-26.95 GRDR as above, 25.94* Fluorite veinlet* 3mm across						
24		ANID		26.95-27.13 ANID as above with slightly more coarse (up to 3mm) euhedral diss py grains						
				27.13-27.53 GRDR intensely silicified and phyllically altered qtz chl veinlets with py qtz envelopes & fine grained diss py throughout rock						
26		GRDR / ANID		27.53-28.58 ANID slightly more abundant qtz						
		GRDR / ANID								

PAGE 8 OF 55 | PROJECT: OCEAN VEIN | HOLE No. 89 550

MINERALIZATION DESCRIPTION	TOTAL SULPHIDE	INTERVAL	WIDTH	ASSAY NUMBER	% oz/ton Au	% oz/ton Ag	% Cu	% Pb	% Zn	COMPOSITE ASSAYS As
27.24-27.53			0.29	18101	<0.002	0.114	0.009	0.0317	0.1111	0.0024
intense silicic and phyllic altered GDE with 2% f.g. py ± gn along qtz chlorinists										

DE (METRES)	% Core Recy	LITHOLOGY	STRUCTURE	GEOLOGICAL DESCRIPTION	ALTERATION SIL A	PROP B	PHY C	ARG D	E	FRACT INTENSITY
28		ANID		27.53-28.58 ANID CON'T py <2% persists, GRDR fragment enclosed and is 15 cm across						
		GRDR		28.58-29.06 GRDR intense silicic and phyllic alteration, qtz veinlets with py ± gn envelopes and selvages plus chlorite along selvages						
29		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 intensly silicified + phyllic altered as above with 2% minor gn along qtz veinlets						
31		ANID		30.58-32.05 ANID intense propyllitic alteration with moderate calcite veinlets at random orientations up to 5 mm wide, hematite coats fractures at 31.90m <1% fine medium grained subedral py [illegible]						

 PROJECT: OCEAN VEIN HOLE No. 89 550

MINERALIZATION DESCRIPTION	TOTAL SULPHIDE	INTERVAL	WIDTH	ASSAY NUMBER	~~oz/ton~~ Au	~~oz/ton~~ Ag	% Cu	% Pb	% Zn	COMPOSITE ASSAYS As
28.58-29.06 intense silicic and phyllic alteration qtz veinlets with py ± gn < 2% or GRDR			0.33	18102	0.006	0.114	0.0157	0.1377	0.2560	0.0041
29.06-29.22 VNSX, brecciated qtz vn with <3% fine grained blebs of py up to 7mm wide + coarser euhedral crystals concentrated in veinlets, gn along fracture (EVENING VEIN) (≈ 0.125)			0.16	18103	0.006	2.23	0.0959	0.0923	0.2890	0.0130
29.22-29.66 GRDR with ANID frags with <1% py dss and concentrated along qtz veinlets with minor gn			0.44	18104	0.002	0.0292	0.0252	0.0603	0.3600	0.0060

DEPTH (METRES)	% Core Recy	LITHOLOGY	STRUCTURE	GEOLOGICAL DESCRIPTION	ALTERATION S A	Prop B	Phy C	A D	E	FRACT INTENSITY
32		ANID / VNSX		32.65-32.81 VNSX intensly silicified GRDR host with up to 3cm wide bands of qtz breccia (frags ≤ 1cm) with chlorite envelopes, 60°TCA <2% fine grained pyrite blebs and <1% 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 <1% f.g. py diss throughout, last 0.12m of interval is a convoluted mixture of intense silicified GRDR with propyllitically altered ANID? as a HW to fault gouge below						
34		Gouge		34.02-34.14 fault gouge (shear zone) <2mm remnant frags with HW & FW 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.[illegible]% apl[illegible]						

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MINERALIZATION DESCRIPTION	TOTAL SULPHIDE	INTERVAL	WIDTH	ASSAY NUMBER	% oz/ton Au	% oz/ton Ag	% Cu	% Pb	% Zn	COMPOSITE ASSAYS As
32.65 - 32.82 m										
intensly silicified GRDR with Qtz fragments <1cm in a black Chlorite matrix containing <2% fine grained py blebs & <1% fine grained galena concentrated along bands 60°CA (EVENING VEIN) (IT 0.19)			0.17	18 105	0.005	2.07	0.0661	2.93	2.66	0.0092
32.82 - 33.53 m FW to VNSX intensly silicified and phyllic alteration <7% f.g. py in distict band of chlorite at random orientations			0.71	18106	0.002	0.0875	0.0015	0.0300	0.0377	0.0027
34.02 - 34.14 fault gouge ~5% 2mm remnant frags of GRDR			0.12	18119	0.002	0.049	0.0040	0.0070	0.0234	0.0035

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DEPTH (METRES)	% Core Recy	LITHOLOGY	STRUCTURE	GEOLOGICAL DESCRIPTION	ALTERATION A	ALTERATION B	ALTERATION C	ALTERATION D	ALTERATION E	FRACT INTENSITY
38		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 propyllitized 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, <2% Sx, increased propyllitic alteration towards end of interval ≤1% diss py throughout						
39										
		ANID		39.86-40.12 ANID as above with only 1mm calcite veinlets and dyke is dark (almost black in color), limonite on fractures						
40		GRDR		40.12-48.80 GRDR intense propyllitic altered, moderate to intense phyllic weak to moderate silicification <1% py diss throughout rusty limonite on fractures contains f.g dark green fragments ≤7cm ANID?						
44				42.57-42.92 LOST missing core btwn 42.57 and 42.92 last 15cm of interval is intense limonite stained						
				48.80-49.18 ANID						
45				[illegible] with rhodocrosite						

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

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DEPTH (METRES)	% Core Recy	LITHOLOGY	STRUCTURE	GEOLOGICAL DESCRIPTION	ALTERATION S A	Prop B	Phy C	A D	Po E	FRACT INTENSITY
48		AN/D		48.80-49.18 AN/D con't altered to calcite as well as <1mm veinlets of calcite						
				49.18-55.24 GRDR						
				49.18-52.14m intensely rusty GRDR						
				49.79 5cm frag AN/D						
50		GRDR		49.89-49.99 band of hematite filled fractures giving a brecciated look, in qtz calcite matrix 1cm blebs of f.g. py <1% assoc with fractured zone						
				50.50 2cm ground section of qtz calcite (breccia) <1% f.g. py diss throughout, minor leaching of py to hematite						
52				51.06-51.82 shear zone rusty limonitic zone with numerous qtz and calcite veinlets upto 2mm wide ~45° TCA, convoluted fracture						
				51.82-57.00 GRDR						
54				weak to moderate silicification intense propyllitic alteration moderate phyllic, <1% py						
				55.0m 0.7m intense silicification zone with chlorite bands containing gn + py <3mm up to 1%						

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

DEPTH (METRES)	% Core Recy	LITHOLOGY	STRUCTURE	GEOLOGICAL DESCRIPTION	ALTERATION S A	Prop B	Phy C	A D	Po E	FRACT INTENSITY
56		GRDR		49.18-55.26 GRDR CON'T						
				55.26-56.18 LOST core missing						
57				56.18-83.94 57.00-64.01 GRDR weak silicification, intense propyllitic alteration and moderate phyllic, <1% fg py diss						
				57.94-59.33 intensly rusty zone along fractures						
58				59.33-49.61 zone of moderate silicification with hematitic fractures with associated <1% f.g. euhedral py and qtz calcite veinlets occur at ~80° TCA 3/cm spacing						
				6401-71.39 same as interval 57.00-64.01 except phyllic alteration is increased to intense and py is becoming leached to hematite blebs diss throughout <2mm						
60				63.37 1cm qtz calcite veinlet 30°TCA contains <1% medium grained euhedral py cubes along margins and envelopes to the veinlet						
				70.18-70.43 chloritic bands 060° TCA with assoc qtz calcite veinlets up to 7mm wide containing less than 1mm blebs of fine grained py and at 70.43 0.06m thick zone [illegible]						
62										

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

DEPTH (METRES)	% Core Recy	LITHOLOGY	STRUCTURE	GEOLOGICAL DESCRIPTION	ALTERATION A S	B Prop	C Phy	D A	E Po	FRACT INTENSITY
64				56.18 - 83.94 GRDR cont'd						
				70.18 - 70.43 cont'd and f.g. py <1% along edges of calcite fragments						
				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 10cm zones where hematite is also diss. with fine pyrite						
66										
			GRDR							
68				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° TCA 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 f. ngrained py are diss throughout unit until lower contact						
				83.62 4mm wide stringer of fine grained qtz						

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

DEPTH (METRES)	% Core Recy	LITHOLOGY	STRUCTURE	GEOLOGICAL DESCRIPTION	ALTERATION Si A	Pr B	Ph C	A D	Po E	FRACT INTENSITY
80				83.94-87.28 RYID 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 groundmass. Chlorite rich veinlets and contacts give core banded look, 55°CA 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 RYID as <5mm euhedral blebs, <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 py, 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°CA, trace sphalerite						
82										
84		RYID								
86										

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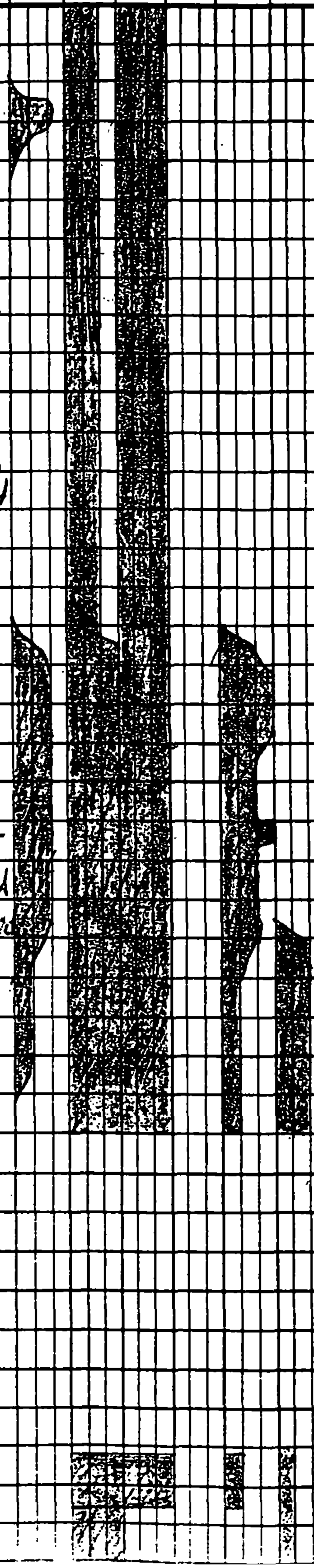
MINERALIZATION DESCRIPTION	TOTAL SULPHIDE	INTERVAL	WIDTH	ASSAY NUMBER	% oz/ton Au	% Ag	% Cu	Pb	Zn	COMPOSITE ASSAYS As
85.28-85.58m RYID minor fault gouge at 85.33 with assoc py <1% with chlorite and carbonate, sx diss over interval and along fracture			0.30	18107	0.010	0.5279	0.0020	0.0333	0.0741	0.0035
85.58-85.77m RYID qtz calcite vein/stockwork zone with 5% py and 1% gn with py diss throughout interval trace sphalerite with concentrated py + gn			0.19	18108	0.813	68.17	0.0048	0.4000	0.2860	0.0063

 PROJECT: OCEAN VEIN HOLE No. 89 550

DEPTH (METRES)	% Core Recy	LITHOLOGY	STRUCTURE		GEOLOGICAL DESCRIPTION
87		RY/D		87.28-95.86	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 PPQF 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 Po altered below 89.38m
88					
90		GRDR			93.27 - 93.33
					milky white calcite and clear qtz veinlet 1cm wide 45°TCA contains <2% Sx of fine grained py ± gn and limonite along fractures
					93.62 - 95.73
					badly ground core
95		LOST		94.50-95.73	LOST 1.23 m ; 94.50 - 95.73m core MISSING
				95.86-96.31	ANID
		GRDR			dark green, intense propylitic altered ANID randomly oriented calcite, qtz veinlets throughout, abundant leucoxene
		ANID			

ALTERATION: S (A), ProP (B), Phy (C), A (D), Po (E); FRACT INTENSITY



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MINERALIZATION DESCRIPTION	TOTAL SULPHIDE	INTERVAL	WIDTH	ASSAY NUMBER	oz/ton Au	oz/ton Ag	% Cu	% Pb	% Zn	COMPOSITE ASSAYS As
85.77 - 86.77 RYID green rhyolite with blebs ~1% of black sl and ~tr% diss py throught (taken due to 18108 assay of 0.813 oz/ton Au).			1.00	18176	0.0103	1.45	0.0012	0.073	0.036	0.0025
87.21 - 87.37 RYID qtz calcite veinlets with <3% gn and py <1cm wide			0.16	18110	0.031	2.48	0.0042	0.2660	0.2390	0.0046

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DEPTH (METRES)	% Core Recy	LITHOLOGY	STRUCTURE	GEOLOGICAL DESCRIPTION	ALTERATION S. A	Prop B	Phy C	A D	Po E	FRACT INTENSITY
96				96.31-99.59 GRDR as above with pervasive Po alteration, <1% diss py						
				97.80m irregular shaped patch of clear qtz and white calcite 5cm across with <1cm blebs of f.g. py and <1% gn ; cp, one 2cm bleb of sphalerite						
98		GRDR								
				99.59-102.72 RYID as above with qtz eyes now distinct up to 5% and 4mm in size, siderite replaces feldspars and in patches are leached out, pyrolusite coats fractures and decreases towards FW, ≤7mm sized subhedral cubes of f.g. py occur spuratically and concentrate along fractures (99.70, 100.12, 101.58, 101.85)						
100		RYID								
				102.72-104.85 GRDR coarse grained phyllic and propylitic altered phenocrysts, weak argillic alteration and minor limonite throughout, 3 7cm fragments of RYID enclosed within GRDR ground rock at 104.53-104.85						
102		GRDR		104.78-104.85 minor shear convoluted chlorite stringers						

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MINERALIZATION DESCRIPTION	TOTAL SULPHIDE	INTERVAL	WIDTH	ASSAY NUMBER	% Au	% Ag	% Cu	Pb	Zn	COMPOSITE ASSAYS As
97.72-97.92 qtz & calcite patch with <1cm blebs of py and f.g gn <1%, 2cm bleb of sphalerite with <2mm blebs of cp enclosed within hematite occurs in contact with sp and cp.			0.20	18109	0.007	1.029	0.0188	0.1414	0.3140	0.0062

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DEPTH (ME...S)	% Core Recy	LITHOLOGY	STRUCTURE		GEOLOGICAL DESCRIPTION
104		PPQF	~~	104.85–109.23	RY I/D same as above with moderate pryrolusite on fractures, subhedral blebs of f.g. py ≤4mm
					109.00–109.09 m 4 sheeled py rich veinlets <3mm wide with f.g py, qtz and calcite plus f.g gn <1%, limonite on fractures veinlets 50° TCA
106				109.23–126.65	GRDR same as above with intense rusty patches
					112.32 – 112.63 sheared GRDR convoluted chlorite veinlets produce a crude fabric 60°TCA
108					core becomes magnetic at 111.79 m
					123.53 – 123.48 yellow buff colored shear zone with <2mm of gouge on a fracture 40°TCA
118		GRDR		123.75–124.97	LOST badly ground core with 0.92m missing core!
			~~	126.65–126.8	ANID as above except with rare leucoxene and ... [illegible]
120			ANID		[illegible]

ALTERATION: Si (A) | Pyr (B) | Phy (C) | A (D) | Po (E) — FRACT INTENSITY

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MINERALIZATION DESCRIPTION	TOTAL SULPHIDE	INTERVAL	WIDTH	ASSAY NUMBER	% oz/ton Au	% Ag	% Cu	Pb	Zn	COMPOSITE ASSAYS As
108.60 - 109.38 RYID with sheeted py rich fractures 40°TCA, fractures contain coarse 1cm pyritohedrons plus finer grained py up to 5% and ~1% f.g. gn, saddle py			078	18177	0.004	0.17	0.0014	0.014	0.017	0.0058

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DF (ME. S)	% Core Recy	LITHOLOGY	STRUCTURE	GEOLOGICAL DESCRIPTION	ALTERATION Si A	Pr B	Ph C	A D	Po E	FRACT INTENSITY
128		ANID		126.80-128.02 GRDR fresh looking GRDR magnetic, pyroxene shaped chlorite filled phenocrysts, moderate phyllic and silicic alteration with intense propylitic. Calcite <3mm wide coats several fractures minor leucoxene and only rare py diss						
130		GRDR		128.02-128.43 ANID as above with no diss py and no leucoxene and only one hairline fracture filled with calcite and hematite at 35° TCA						
132		GRDR		128.43-133.12 GRDR moderate to intense potassic alteration same as above with <1% diss py						
		ANID		133.12-134.27 ANID 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						
134		GRDR		134.27-142.51 GRDR same as above, core is magnetic and potassic alteration [illegible]						

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

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DEPTH (METRES)	% Core Recy	LITHOLOGY	STRUCTURE	GEOLOGICAL DESCRIPTION	ALTERATION S A	Pr B	Ph C	A D	Po E	FRACT INTENSITY
139				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 bleb of epidote						
141		GRDR		142.51-142.61 AN/D dark green dyke with calcite replaced phenocrysts, 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						
		AN/D								
143				142.61-147.80 GRDR same as above with an increase in py yet still less than 1% as f.g. diss 147.14-147.97 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, diss leucoxene throughout interval						
		AN/D								

PROJECT: OCEAN VEIN

HOLE No. 89 550

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

DEPTH (CORE SIZE)	% Core Recy	LITHOLOGY	STRUCTURE	GEOLOGICAL DESCRIPTION	ALTERATION S A	Pr B	Ph C	A D	Po E	FRACT INTENSITY
148		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						
150		ANID		150.94-151.16 ANID same as above but with calcite veinlets containing hematite, HW contact was sheeted calcite/hematite veinlets at 40° TCA 151.16-154.68 GRDR same as above with rusty patches throughout and minor diss leucoxene						
152		GRDR		152.42-152.65 intense silicification with increased leucoxene, f.g. py diss <1% as <1mm bleb 5mm qtz stringer with <1% f.g py on selvages 55° TCA, trace epidote						
154		ANID		154.52-154.68 sheared contact with ANID, rusty with hematitic qtz and calcite fragments in crude bands 50° TCA with chlorite envelopes, <1% f.g py diss						
155				154.68-154.78 ANID						

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

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DEPTH (METRES)	% Core Recy	LITHOLOGY	STRUCTURE	GEOLOGICAL DESCRIPTION	ALTERATION S A	Pr B	Ph C	A D	Po E	FRACT INTENSITY
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						
		DR		154.90-162.05 GRDR						
160		GR		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 157.34 <2mm veinlet of dark sphalerite and fg blebs of cp						
162		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)						
		DR		162.05-162.23 AN/D dark green dyke with abundant leucoxene, one 3mm calcite veinlet 40°TCA with 2 stages of fluid infection, one as a hairline selvage to the clearer center						
164		GR		162.23-168.13 GRDR same as above with epidote veinlets <2mm						

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

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DEPTH (METRES)	% Core Recy	LITHOLOGY	STRUCTURE	GEOLOGICAL DESCRIPTION	ALTERATION S A	Pr B	Ph C	A D	Po E	FRACT INTENSITY
166		GRDR		162.23-168.13 GRDR Cont dong 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		ANID		168.13-169.27 ANID same as above with less leucoxene, HW contact has <2cm of epidote veinlets 45° TCA, chlorite calcite veinlets with hematite are randomly oriented						
169		GRDR		169.27-174.60 GRDR same as above with core dying strongly magnetic minor epidote bands of chlorite with calcite, minor diss leucoxene						
174		ANID		174.60-175.16 ANID 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						
		GRDR		175.16-178.56 GRDR same as above with						

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

DEPTH (METRES)	% Core Recy	LITHOLOGY	STRUCTURE	GEOLOGICAL DESCRIPTION	ALTERATION S A	Pr B	Ph C	A D	Po E	FRACT INTENSITY
176		GRDR		175.16-178.56 GRDR CON'T 5mm blebs of white calcite 176.13 - 176.18 fragments of clear qtz and white calcite with minor hematite up to 1.5cm across, <1% f.g. Py diss in and around qtz fragments						
178		GRDR	~~~	178.31 3mm green clay gouge on fracture 60° TCA						
		GRDR		178.56-179.61 ANID same as above with abundant leucoxene <3 cm fragments of GRDR enclosed in qtz, minor epidote						
179		ANID		179.28 - 179.61 blocky core with <2mm white calcite veinlets FW contact (last 5 cm of interval) contains <10% light brown clay gouge						
		GRDR		179.61-179.92 GRDR same as above blocky core with 1 mm wide calcite fractures						
180		ANID		179.92-180.51 ANID as above with trace leucoxene and a darker green color than above						
		GRDR								

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

PROJECT: OCEAN VEIN

HOLE No. 89550

DEPTH (METRES)	% Core Recy	LITHOLOGY	STRUCTURE		GEOLOGICAL DESCRIPTION
181		GRDR		180.57-181.84	GRDR same as above except an increase in silicification decrease in phyllic and potassic alteration core is still magnetic
182		ANID		181.84-182.35	ANID same as above with hematite rich qtz calcite veinlets ≤ 3mm 60°TCA
		GRDR		182.35-185.46	GRDR as above, minor leucoxene 183.5 8cm fragment of ANID enclosed
184				185.46-185.71	ANID as above with abundant leucoxene,
		ANID		185.71-188.97	GRDR as above with < 7cm fragments of dyke enclosed, 2 1cm qtz calcite stringers at 40°TCA with < 1% f.g. py in subhedral blebs in and along stringers py concentrated along dyke fragment selvages (< 1%)
186		GRDR			
					187.45 35mm [illegible] of sheared core [illegible] and < 1% [illegible]

ALTERATION: S (A), Pr (B), Ph (C), A (D), Po (E); FRACT INTENSITY

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

PROJECT:

HOLE No.

DEPTH (METRES)	% Core Recy	LITHOLOGY	STRUCTURE	GEOLOGICAL DESCRIPTION	ALTERATION S A	Pr B	Ph C	A D	Po E	FRACT INTENSITY
188		GRDR / AND / GRDR / AND		185.71-188.97 GRDR CON'T Possible mislatch? tag 184.7 to 187.45 has 36 cm extra while btwn 187.45-189.28 has 28 cm missing (tag in wrong spot?)						
190		AND		188.97-189.28 AND same as above blocky core						
		GRDR		189.28-189.44 GRDR same as above, FW weak phyllic alteration						
		AND		189.44-189.78 AND as above except not blocky core and py is <1% as small subhedral disks throughout						
192		GRDR		189.78-194.50 GRDR same as above FW & HW weak phyllic alteration contains <7cm fragments of dyke unit enclosed within GRDR						
194		AND		191.65 45cm zone of intense silicification including a 3cm milky white qtz breccia fragment with 4mm bleb of cp/						
				191.40 [illegible]						

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

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DEPTH (METRES)	% Core Recy	LITHOLOGY	STRUCTURE	GEOLOGICAL DESCRIPTION	ALTERATION S A	Pr B	Ph C	A D	Po E	FRACT INTENSITY
194		ANID		194.50 - 195.68 ANID same as above with <3cm fragments of GRDR						
				195.68 - 217.93 GRDR same as above with red hematite along fractures for 10cm down hole from HW contact, propyl. alt n intensity increased to intense, <1% py f.g. diss and concentrated along fractures as <2mm seams near HW at random orientations. core weakly magnetic						
196				198.64 2cm qtz stringer with calcite, 60° TCA with <1% fg py diss along margins						
198		GRDR		201.84 - 201.94 zone of intense silicification with numerous qtz + calcite veinlets, <2% fg py as diss and fracture filling along selvages of veinlets, minor hematite						
200				103.68 4mm band of qtz + calcite with <3% gn <2% sphalerite and <1% py 50° TCA						
				103.80 25 mm qtz veinlet with calcite and <1% fg py and trace gn						
				204.4 - 204.85 zone of weak						

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

PAGE 47 OF | PROJECT: OCEAN VEIN | HOLE No. 89550

DEPTH (METRES)	% Core Recy	LITHOLOGY	STRUCTURE	GEOLOGICAL DESCRIPTION	ALTERATION Sil A	Prop B	Phy C	Arg D	Po E	FRACT INTENSITY
202				195.68-217.93 GRDR CON'T 207.78 5mm qtz calcite veinlet with <1% py and gn as selvages, trace sphalerite 209.69 15mm qtz calcite veinlet with 40% f.g grey Sx plus <5% 3mm py blebs and gn						
204				211.27-211.38 moderate-intense silicification with chloritic qtz/calcite veinlets with <1% py and rare gn in py 211.64-212.14 zone of intense argillic alteration core is partially unconsolidated with feldspar phenocrysts altered to clay 212.45-212.53 silicified zone with <1% py and rare sphalerite blebs 213.51-214.16 phyllic altered silicified altered with numerous qtz/calcite veinlets with py and euhedral gn <1% along fractures and vein/ selvages, py also <2% diss throughout						
206										
208										
				217.63-217.93 LOST 30cm core missing, one ground piece of core [illegible]						

 PROJECT: OCEAN VEIN HOLE No. 89550

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

 PROJECT: OCEAN VEIN HOLE No. 89550

Depth (metres): 210 – 215 – 220 – 222

Lithology: GRDR; ANID; GRDR; ANID; GRDR

Interval	GEOLOGICAL DESCRIPTION
217.93-222.13	GRDR CON'T 219.49 - 219.56 crosscutting qtz (calcite) veinlets with chlorite envelopes, py on selvages & diss in veinlets up to 1%
222.13-222.36	ANID same as above with calcite veinlets at random orientations near FW contact
222.36-222.52	GRDR weak phyllic potassic and moderate propylitic altered with 2 4mm white calcite [illegible] 25° TCA
222.52-222.72	ANID same as above with minor leucoxene
222.72-222.91	GRDR same as above with no potassic alteration, moderate silicification limonite on fracture(?)
222.91-223.02	ANID same as above with no leucoxene and clay gouge < 3mm along fractures

ALTERATION					
Sil A	Prop B	Phy C	Arg D	Po E	FRACT INTENSITY

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

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DF (ME.)	% Core Recy	LITHOLOGY	STRUCTURE	GEOLOGICAL DESCRIPTION	ALTERATION A	ALTERATION B	ALTERATION C	ALTERATION D	ALTERATION E	FRACT INTENSITY
223		GRDR		223.03-226.13 GRDR						
				224.00-224.34 flow banded with convoluted chlorite veinlets and <1% py d.ss along veinlets, 224.15 a ~15cm fragment of fragmental mafic dyke? which has GRDR fragments within						
224		GRDR		224.34 226.13 propylitic and phyllic altered GRDR with an increase in chlorite veinlets having <1% f.g py and grey f.g SX 60° TCA						
				226.13-226.40 GOUGE fault gouge dry green color grading into dark grey downhole 10 ocean vein, <1% f.g SX						
226		VN SX		226.40-227.78 VN SX (OCEAN VEIN) brecciated with ~60% qtz fragments ≤ 1cm with calcite veinlets throughout in a black chloritic matrix, ~15% f.g. py along fractures ~10% f.g. gn with ~ 25% sl + Hem Cp						
227										

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MINERALIZATION DESCRIPTION	TOTAL SULPHIDE	INTERVAL	WIDTH	ASSAY NUMBER	% oz/ton Au	% Ag	% Cu	Pb	Zn	COMPOSITE ASSAYS As
225.44 - 225.94 GRDR intense phyllic and silicification, <1% diss py and concentrated along fractures			0.50	18111	0.005	0.0459	0.0026	0.0044	0.0068	0.0020
225.94 - 226.13 same as 18111 with increase in py into seams < 4mm wide plus fg grey Qz			0.19	18112	0.002	0.0525	0.0034	0.0045	0.0091	0.0028
226.13 - 226.40 GOUGE fault gouge ilw to ocean vein <1% fg. py (TT = 0.21)			0.27	18113	0.016	0.2042	0.0064	0.0747	0.0960	>0.1000 Ocean Vein Intersect
226.40 - 226.73 VNSX Ocean Vein 60% qtz fragg, 40% black matrix of 15% fg py ~10% gn 25% sl (TT = 0.25)			0.33	18114	0.044	4.84	0.1127	1.13	1.234	>0.1000
26.73 - 227.15 VNSX Ocean Vein, 40% qtz with calcite veinlets fg py 30%, 10% gn, 20% sl (TT = 0.32)			0.42	18115	0.060	7.45	0.2280	1.44	2.42	>0.1000 TT = 0.96 0.042, 505/0.9

COMPOSITE ASSAY = 0.042

5.05 oz/t 1.75

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DEPTH (METRES)	% Core Recy	LITHOLOGY	STRUCTURE	GEOLOGICAL DESCRIPTION	ALTERATION A Sil	B Pro	C Phy	D Arg	E Po	FRACT INTENSITY
229										
30		GRDR		227.38-231.97 GRDR FW to ocean vein, intense phyllic and silicification <1% fg py						
31										
32		ANID / GRDR	Δ Δ	230.37 - 230.96 bleached GRDR with weak propylitic intense phyllic and moderate silicification 230 ft a fracture with some clay						
33		MISSING CORE								
234				231.97-232.16 ANID broken core with abundant fragments						
				232.16-232.57 GRDR as above with moderate silicification with rare disseminated last 5cm of box is ANID as above						
239		GRDR								
240				232.57-238.07 GRDR? LOST 3ox of core flipped during flight all but 1.04 m lost! Pieces left are phyllic altered GRDR with vein to moderate silicification						
241										
				238.57-242.93 GRDR weak silicification moderate phyllic with <1% fg py disseminated						

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MINERALIZATION DESCRIPTION	TOTAL SULPHIDE	INTERVAL	WIDTH	ASSAY NUMBER	% oz/ton Au	% Ag	% Cu	Pb	Zn	COMPOSITE ASSAYS As
227.15 - 227.38 Ocean Vein, same as 18114 with <1% gn trace sphalerite (TT=0.18)			0.23	18116	0.035	6.64	0.2310	3.55	2.95	37000 Ocean Vein intersection
227.38 - 227.85 GRDR FW to ocean vein, intense phyllic silicic and weak argillic, <1% f.g py			0.47	18117	0.005	0.1896	0.0071	0.0304	0.0744	0.0160
227.85 - 228.17 GRDR FW to ocean vein, same as 18117 with <1% + more diss and less concentrated into seams			0.32	18118	0.005	0.0350	0.0023	0.0070	0.0234	0.0023

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

HOLE SUMMARY

89 550 was drilled to intersect the Ocean vein at depth where it was projected by HLEM anomaly, and to test possible extensions of the evening vein(s).

The majority of the hole consists of prop altered GRDR with numerous ANID and 3 RYID

INSX zones at 29.06-29.27 and 32.65-32.81 could represent the evening vein(s)

The target Ocean Vein was intersected at 226.13-227.38 m. The HW consists of a 27cm zone of grey green fault gouge. The vein is comprised of ~60% qtz fragments in a sulfide rich matrix of chlorite.

Sulphides consist of ~15% py with 10% gn and ~25% sphalerite which occur along fractures.

True thickness of the intersection was calculated to be 0.96 m

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
	TOTAL LENGTH: 271.88
LOGGED BY: J. BLACK	HORIZONTAL PROJECT: 154.2144
DATE: JUNE 12 89	VERTICAL PROJECT: -223.7821
CONTRACTOR: ADVANCED DRILLING	ALTERATION SCALE: absent / slight / moderate / intense
CORE SIZE: BQ	
DATE STARTED: JUNE 16 89	TOTAL SULPHIDE SCALE: traces only / < 1% / 1% – 3% / 3% – 10% / > 10%
DATE COMPLETED: JUNE 15 89	VEINLET INTENSITY: < 5/m / 5 - 10 / 10 - SWARM / STOCK WORK
DIP TESTS: 200' (60.96m) -55° 600'(182.88)-56° / 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 W	7.0 E	11.49 E	COLLAR
23.25	188.70	-55.80	13.07	1219.47	171.24 W	7.0 E	9.52 E	HW->EVENING VEIN
23.51	188.70	-55.80	13.21	1219.26	171.10 W	7.0 E	9.49 E	FW->EVENING VEIN
30.48	188.70	-55.00	17.13	1213.49	167.22 W	7.0 E	8.90 E	DIP CHANGE
44.76	188.70	-55.00	25.32	1201.79	159.13 W	7.0 E	7.66 E	HW->EVENING VEIN
44.91	188.70	-55.00	25.41	1201.67	159.04 W	7.0 E	7.65 E	FW->EVENING VEIN
49.89	188.70	-55.00	28.27	1197.59	156.22 W	7.0 E	7.22 E	HW->EVENING VEIN
50.17	188.70	-55.00	28.43	1197.36	156.06 W	7.0 E	7.19 E	FW->EVENING VEIN
91.44	188.70	-58.00	52.10	1163.56	132.66 W	7.0 E	3.61 E	DIP CHANGE
136.52	188.70	-58.00	75.98	1125.33	109.05 W	7.0 E	0.00 W	CL-SECTION
152.40	188.70	-55.00	84.40	1111.86	100.73 W	7.0 E	1.27 W	DIP CHANGE
226.47	188.70	-53.00	126.88	1051.19	58.74 W	7.0 E	7.70 W	DIP CHANGE
242.01	188.70	-53.00	136.24	1038.77	49.49 W	7.0 E	9.11 W	HW->GOUGE
242.13	188.70	-53.00	136.31	1038.68	49.42 W	7.0 E	9.12 W	FW->GOUGE
242.13	188.70	-53.00	136.31	1038.68	49.42 W	7.0 E	9.12 W	HW->OCEAN VEIN
242.46	188.70	-53.00	136.51	1038.41	49.22 W	7.0 E	9.15 W	FW->OCEAN VEIN
242.46	188.70	-53.00	136.51	1038.41	49.22 W	7.0 E	9.15 W	HW->RHBX
243.00	188.70	-53.00	136.83	1037.98	48.90 W	7.0 E	9.20 W	FW->RHBX
243.00	188.70	-53.00	136.83	1037.98	48.90 W	7.0 E	9.20 W	HW->RY/D
243.42	188.70	-53.00	137.09	1037.65	48.65 W	7.0 E	9.24 W	FW->RY/D
243.42	188.70	-53.00	137.09	1037.65	48.65 W	7.0 E	9.24 W	HW->GRDR
244.17	188.70	-53.00	137.54	1037.05	48.21 W	7.0 E	9.31 W	FW->GRDR
244.17	188.70	-53.00	137.54	1037.05	48.21 W	7.0 E	9.31 W	HW->OCEAN VEIN
244.48	188.70	-53.00	137.72	1036.80	48.02 W	7.0 E	9.34 W	FW->OCEAN VEIN
244.48	188.70	-53.00	137.72	1036.80	48.02 W	7.0 E	9.34 W	HW->GRDR
252.17	188.70	-53.00	142.35	1030.66	43.45 W	7.0 E	10.04 W	FW->GRDR
252.17	188.70	-53.00	142.35	1030.66	43.45 W	7.0 E	10.04 W	HW->GOUGE
252.33	188.70	-53.00	142.45	1030.53	43.35 W	7.0 E	10.05 W	FW->GOUGE
271.88	0.00	0.00	154.21	1014.92	31.72 W	7.0 E	11.81 W	END OF HOLE

PAGE 1 OF 18 | PROJECT: OCEAN VEIN | HOLE No. 89551

DEPTH (METRES)	% Core Recy	LITHOLOGY	STRUCTURE	GEOLOGICAL DESCRIPTION	ALTERATION A Sil	B Prop	C Phy	D Arg	E Po	FRACT INTENSITY	VEINLET INTENSITY
				0 - 3.05 overburden							
		0|6		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 H/W contact is tan green reseated fault gouge 2cm wide with GRDR fragments ~2mm in size,							
10		GRDR		sporadic qtz/calcite blebs and veinlets throughout, sections 9.11-9.78, 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% f.g py blebs, ~2% black sphalerite as 7mm blebs and ~1% f.g gn							
				23.25-23.51 VNQC coll white qtz vein with limonite on fractures and ~1% 8mm pyroxenes along fractures (evening vein?)							
20				23.51-29.26 GRDR same as above							
		GRDR		24.17-24.32 intense silic. with qtz/calcite veinlets upto 2cm wide with ~2% 7mm pyroxenes and f.g py along fractures, grey f.g sx in veinlets and along selvages with assoc limonite (reversed vein?)							
				26.91-27.00 rusty porous qtz veinlet, relict ghosted phenocrysts no sx visible							
30		LOST		29.26-30.17 LOST known mixture with 3 cm of ground core and 91cm missing							
				30.17-43.11 GRDR same as above with the core now being magnetic							
				35.38-35.49 1cm qtz carbonate veinlet 60° CA with ~1% f.g py as 3mm blebs and ~1% f.g gn in veinlet selvages							
				42.89-43.11 sheared contact with calcite chlorite veinlets with ~1% f.g py and ~1% f.g gn							

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MINERALIZATION DESCRIPTION	TOTAL SULPHIDE	INTERVAL	WIDTH	ASSAY NUMBER	% oz/ton Au	% Ag	% Cu	Pb	Zn	COMPOSITE ASSAYS As
20.46 - 20.66 GRDR intense silicified zone with qtz calcite veinlets up to 2cm wide with sx 2% py 3% sphalerite blebs up to 7mm and 1% gn			0.20	18120	0.030	1.167	0.0297	0.1480	0.3986	0.0100
23.25 - 23.51 V N QC white qtz vein with ~1% 8mm pyr. to hedrons along fractures, limonite coated fractures			0.26	18121	0.033	0.0321	0.0008	0.0033	0.0213	0.0067
24.17 - 24.32 GRDR intense silic. with ~2% fg py blos 7mm pyr. to hedrals fg sx with assoc hematite			0.15	18122	0.036	0.0379	0.0023	0.0039	0.2622	0.02145

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DEPTH (METRES)	% Core Recy	LITHOLOGY	STRUCTURE		GEOLOGICAL DESCRIPTION	ALTERATION Sil A	Ap B	Phy C	Arg D	Po E	FRACT INTENSITY	VEINLET INTENSITY
		GRDR		43.11-43.96	ANBX dark green andesite matrix with ~40% GRDR xenoliths up to 1cm wide, ~1% f.g py diss, limonite on fractures + more intense toward EW, 43.84-43.96 resealed fault gouge with 35% GRDR xenoliths							
		ANBX										
		GRDR		43.96-44.76	GRDR same as above except from 43.96-44.45 GRDR is intensely rusty 44.56-44.58 qtz piece with 30% sx as f.g gn ~15%, 10% py, 5% sphal							
50		SKQC ANID		44.76-44.91	VNQC white qtz with yellow white calcite ~1% f.g sphalerite as blebs up to 3mm ~1% f.g py + gn concentrated along margins of the vein and diss throughout (evening vein?)							
		GRDR		44.91-49.89	GRDR same as above with introduction of potassic alteration, numerous andesite xenoliths ~2cm wide with up to 3% py 46.40-46.79 intense rusty zone							
55				49.89-50.17	SKQC qtz calcite breccia with with fragments up to 3cm long and intense silicification, matrix of chlorite and sx with ~3% py, 2% sphalerite, trace gn (evening vein?)							
		ANID		50.17-50.32	ANID dark green with calcite veinlets concentrating ~2% py diss, limonite							
		GRDR		50.32-57.63	GRDR same as above							
		ANID		57.63-58.17	ANID dark green with chlorite blebs ~1% up to 3mm diss, limonite on fractures, no py							
60		GRDR		58.17-77.66	GRDR as above 62.76-63.09 aplite, intense silicification dusty pink color with minor pyrolusite on fractures, ~1% f.g py diss + coarse grained py on fractures 68.03-68.26 weak shear 40°TCA with qtz calcite veinlets ~1% f.g py							

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MINERALIZATION DESCRIPTION	TOTAL SULPHIDE	INTERVAL	WIDTH	ASSAY NUMBER	~~%~~ oz/ton Au	~~%~~ Ag	% Cu	Pb	Zn	COMPOSITE ASSAYS As
44.76 - 44.91 VNQC white vein with 1% py, 1% sph 1% gn diss and concentrated along selvages of vein (Evening vein)			0.15	18123	0.007	1.49	0.0207	0.2804	0.1809	0.01078
49.89 - 50.17 SKQC stockwork of qtz/calcite fragments with ~3% py, 2% sp trace gn in matrix of breccia			0.28	18124	0.006	0.2742	0.0096	0.0154	0.0404	0.00574

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DE (METRES)	% Core Recy	LITHOLOGY	STRUCTURE		GEOLOGICAL DESCRIPTION	ALTERATION Sil A	Prop B	Phy C	Arg D	Po E	FRACT INTENSITY	VEINLET INTENSITY
70		GRDR		58.17-77.66	GRDR cont: 73.98-74.12 intense silicification with ~2% f.g py diss and concentrated around a 1cm qtz calcite blob with f.g grey SX and assoc hematite 74.12-74.17 shear zone, chloritic band 45° TCA with ~10% qtz fragments (angular shaped) with f.g SX in chlorite 75.44-75.88, 76.43-76.63 aplite as above							
		RYID		77.66-81.87	RYID light green intense phyllic altered in bands 45° TCA, calcite veinlets with qtz/calcite concentrate py with overall ~2% diss as 2mm blebs (see mineralization description)							
80		GRDR		81.87-82.68	GRDR same as above with no potassic alteration, weak argillic and intense phyllic 82.45-82.49 fragment of RYBX 25° TCA							
		RYBX		82.68-83.64	RHBX 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		GRDR		83.64-97.01	GRDR same as above 94.00-94.81 calcite replaces phenocrysts in GRDR to give mottled look, minor fracturing							
		RYID		97.01-101.68	RYID as above except with distinct qtz eyes ~10% with ~1% diss f.g py and limonite on fractures intensely silicified with moderate phyllic, weak propylitic alteration, calc fractures lined with very f.g grey SX							
100		GRDR		101.68-103.07	GRDR phyllic altered phenocrysts with limonite on fractures							
		ANID		103.07-103.74	ANID dark green andesite with qtz calcite veinlets randomly oriented with minor hematite qtz blebs							
		GRDR		103.74-123.09	GRDR as above 83.64-97.01, interval 106.05-106.68 intense silicic potassic with 2 cm zone of chlorite							

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MINERALIZATION DESCRIPTION	TOTAL SULPHIDE	INTERVAL	WIDTH	ASSAY NUMBER	~~%~~ oz/ton Au	% Ag	% Cu	% Pb	% Zn	COMPOSITE ASSAYS As
80.02 - 80.29 RYID 3 chlorite veinlets up to 1 cm wide with ~40% Sp, 30% Py, 10% gn within the veinlets plus 10% qtz calcite fragments			0.31	18125	0.047	4.62	0.0164	1.64	1.9583	0.00688
RYID 80.99 - 81.56 numerous random oriented veinlets of chlorite with ~50% Sp 30% Sp 10% gn also 5% qtz fragments			0.57	18126	0.007	1.90	0.0137	0.7220	0.8560	0.00760

DEPTH (METRES)	% Core Recy	LITHOLOGY	STRUCTURE	GEOLOGICAL DESCRIPTION	ALTERATION Sil A	Prop B	Phy C	Arg D	Po E	FRACT INTENSITY	VEINLET INTENSITY
		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 phyllic altered GRDR							
120		GRDR / ANID		123.09-124.33 ANID as above with increased calcite replacing plagioclase and hematite in qtz/calcite veinlets randomly oriented, ~1% fg py diss throughout							
		ANID		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 blebs ≤ 3mm wide, ~2% diss and concentrated py, ~1% hematite assoc with Sx in qtz, ~1% fg gn, minor inclusions 138.09-149.89 hematite replacing plagioclase giving rock mottled look up to 70% of rock 128.75-141.12 intense potassic aplite ~1% diss py with ≤1% sphalerite also diss in up to 4mm blebs 141.61-141.62 1cm veinlet of qtz/calcite with distinct selvages of chlorite and within veinlet, hematite + fg Sx 147.79-147.85 fragment of ANID enclosed in GRDR							
140		GRDR / ANID		148.99-149.73 ANID dark green with ~5% euhedral py cubes btwn HW-149.12 with rest of interval having ~1% fg py throughout, several qtz							

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MINERALIZATION DESCRIPTION	TOTAL SULPHIDE	INTERVAL	WIDTH	ASSAY NUMBER	% Au	% Ag	% Cu	Pb	Zn	COMPOSITE ASSAYS As
129.43-129.54 aplite with ~2% sphalerite as diss and ≤3mm blebs concentrated with ~2% py and 1% gn, hematite assoc with sx			0.11	18127	0.002	0.729	0.0068	0.0208	0.0196	0.00500

 PROJECT: OCEAN VEIN HOLE No. 89551

DEPTH (METRES)	% Core Recy	LITHOLOGY	STRUCTURE	GEOLOGICAL DESCRIPTION	ALTERATION: Sil A	Prop B	Phy C	Arg D	Po E	FRACT INTENSITY	JEINLET INTENSITY
150		GRDR		149.73-153.98 GRDR same as 138.09-149.89							
				153.98-155.03 AND dark green with 14/m veinlets of qtz/calcite up to 1cm wide with hematitic selvages and fractures, abundant leucoxene, rare diss py							
		AND		155.03-160.00 GRDR hematitic alteration of above is rare now and minor leucoxene is diss throughout core, 155.57-155.70; 156.27-156.51 are fault zones with ~5% gouge, unconsolidated, rusty							
160		GRDR		no sulphides visible							
				157.98-158.42 intense silicification (aplitic?) fragments, intense potassic alt. ~5% of sphalerite gn ± py diss							
				159.56 ground core (no lost core)							
				160.00-160.47 AND as above with hematitic fractures							
				160.47-171.03 GRDR as above							
				165.19-165.66 intense phyllic altered GRDR with several qtz/calcite veinlets having hematite ~1% py diss, rare gn							
170	0		LOST	minor grey clay gouge (~5%), minor hematite replacing phenocrysts, ~1% leucoxene (also 168.84-168.14)							
				171.03-171.15 LOST core (minor grey clay gouge from)							
		GRDR		171.15-177.27 GRDR as above, patchy hematitic zones							
				171.81-171.97 intense silicified, potassic GRDR with distinct grains							
				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				176.20-176.25 same as 171.81-171.97 with brecciated containing ~3% fg gn ± py as a grey paste, rock also contains ~2% py							
				177.07-177.27 silicified zone with several randomly oriented qtz/calcite veinlets with ~2% py ± gn							
		GRDR		177.27-177.52 AND same as above with ~2% py ± gn veinlets up to 3mm wide							
				177.52-187.77 GRDR [illegible]							
				[illegible]							

PAGE 10 OF 18 | PROJECT: OCEAN VEIN | HOLE No. 89 551

MINERALIZATION DESCRIPTION	TOTAL SULPHIDE	INTERVAL	WIDTH	ASSAY NUMBER	oz/ton Au	oz/ton Ag	% Cu	Pb	Zn	COMPOSITE ASSAYS As
181.78-181.95 GRDR intense silicification with qtz/carb veinlets and fragments ~6mm wide with ~2% gn 1% py rare 3mm blebs of cp moderate potassic alteration weak HW shear			0.17	18128	0.008	0.7496	0.0127	0.0800	0.1302	0.0100

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Interval	GEOLOGICAL DESCRIPTION
177.52-187.77	GRDR con't hematite replacing phenocrysts in patches ~5cm wide
187.77-188.67	ANID dark green with calcite replacing phenocryst and as blebs 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
193.54-193.71	ANID same as above except py ~2% diss as euhedral pyritohedrons
193.71-193.99	GRDR as above with no hematite replacing phenocrysts
193.99-194.78	ANID 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 ANID fragments
195.25-195.84	ANID same as above with two 7mm qtz calcite hematite veinlets with 1% diss py
195.84-196.96	GRDR as above minus ANID fragments
196.96-197.39	ANID as above with no hematite, lighter green
197.39-197.62	GRDR as above, minor leucoxene
197.62-197.93	ANID as above with minor hematite
197.93-198.45	GRDR as above pervasive potassic alt
198.45-200.68	ANID 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
201.04-201.41	ANID same as 197.62-197.93 interval
201.41-201.63	GRDR same as above
201.63-201.75	ANID as above, ~2% diss py, abundant leucoxene
201.75-206.57	GRDR same as above. weak shear 204.80
206.57-207.13	ANID 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 [illegible] with ~5% coarse py along [illegible] 2% diss. Sample [illegible]
[illegible]	ANID [illegible]

Depth (metres): 190, 200, 210

Lithology: GRDR, ANID, GRDR, ANID, GRDR, AN/D, GRDR, AN/D, GRDR, ANID, GRDR, AN/D, GRDR, AN/D, GRDR, ANID, GRDR, ANID, GRDR

Structure: GRDR, GRDR, GRDR

Columns: % Core Recy | ALTERATION: Sil A, Prop B, Phy C, Arg D, Po E | FRACT INTENSITY | VEINLET INTENSITY

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MINERALIZATION DESCRIPTION	TOTAL SULPHIDE	INTERVAL	WIDTH	ASSAY NUMBER	~~%~~ oz/ton Au	% Ag	% Cu	% Pb	% Zn	COMPOSITE ASSAYS As
207.30-207.56 1/2DR intense silicification with 10% qtz calcite and 5% py along fractures, ~2% diss sphalerite trace gn			020	18129	<0.002	0.0875	0.0016	0.0182	0.0028	0.0034

PAGE 13 OF 18 | PROJECT: OCEAN VEIN | HOLE No. 89551

DEPTH (METRES)	% Core Recy	LITHOLOGY	STRUCTURE	GEOLOGICAL DESCRIPTION	ALTERATION A Sil	B Prop	C Phy	D Arg	E Po	FRACT INTENSITY	VEINLET INTENSITY
215		GRDR / ANID		209.34-216.33 GRDR as above 210.82-211.74 intense phyllic with grey sx?, rich clay gouge on fractures at 211.09, 211.43, 211.69 211.06-211.09 3cm qtz stringer with 1% euhedral py cubes along margins of stringer							
		ANID		216.33-216.50 ANID same as above							
		GRDR		216.50-219.76 GRDR as above, increase in chlorite veinlets 218.05-218.07 2cm qtz calcite stringer 55°, ~10% py, ~7% sphalerite, 3% gn; 80% qtz 218.24-218.29, 218.74-218.81 dark grey breccia with qtz calcite fragments up to 1cm wide, ~1% euhedral py cubes							
220		LOST		219.76-220.00 LOST 0.24m missing core							
		GRDR		220.00-241.89 GRDR as above, increase sericite 220.00-220.58 badly ground core 220.85-220.87 2cm qtz calcite stringer with ~1% f.g euhedral py cubes along selvages, minor hematite in stringer 222.50-235.0 GRDR with introduction of argillic alt^{n} and numerous gouge coated fractures of light grey color up to 1cm wide 235.31-235.39 intense silicification with 70% qtz calcite fragments with chlorite + py							
230				241.89-242.01 LOST 0.12 m missing core							
				242.01-242.13 GOUGE (as-recd) dark grey with 30% qtz fragments up to 15mm wide plus GRDR fragments ~2%, chloritic matrix with f.g. sx, thin to Ocean Vein							
				242.13-242.46 VNSX Ocean Vein intersection, 70% qtz fragments up to 3cm wide, 30% chlorite / f.g sx; 15% py, 7% sl and 3% gn; vein is completely brecciated with sx conc. in blebs and veinlets							
240		LOST GOUGE / VNSX / GRDR / VNSX		242.46-242.81 RHBX light olive green breccia with 70% grading to 40% qtz fragments ≤4cm down hole, dark grey matrix of chlorite and f.g sx, ~7% py 5% gn 3% sphal							
		GRDR		242.81-243.00 RHBX light grey matrix with large 4cm fragments of phyllic GRDR plus 5mm fragments of qtz-block rock, ~1%							

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MINERALIZATION DESCRIPTION	TOTAL SULPHIDE	INTERVAL	WIDTH	ASSAY NUMBER	% oz/ton Au	% Ag	% Cu	Pb	Zn	COMPOSITE ASSAYS As
241.39-241.89 GRDR HW to VNSX intersection, intense phyllic altered with convoluted chlorite veinlets having ~2% F.g py stgs			0.5	18130	<0.002	0.1050	0.0080	0.0188	0.0148	0.00433
242.01-242.13 GOUGE 30% qtz fragments, 70% chlorite plus fg sx matrix with 5% visible py along fractures (TT=0.08)			0.12	18131	0.028	0.9916	0.0377	0.5765	0.6500	>0.1000 Ocean Vein
242.13-242.46 VNSX Ocean Vein 70% qtz/calcite fragments, 30% chlorite sx matrix with 15% py 7% Sphalerite, 3% gn (TT=0.23)			0.33	18132	0.015	6.30	0.0998	0.8427	1.3813	0.05313
242.46-242.81 RHBX 70→90% qtz fragments ~7% py 5% gn 3% sphalerite (TT=0.24)			0.35	18133	0.009	0.9887	0.0218	0.2962	0.3679	0.00991
242.81-243.00 RHBX? light grey matrix with ~10% GRDR fragments ~1% py as blebs (TT=0.13)			0.19	18134	0.030	2.07	0.0842	0.3061	0.5908	>0.1000

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DEPTH (METRES)	% Core Recy	LITHOLOGY	STRUCTURE	GEOLOGICAL DESCRIPTION	ALTERATION Sil A	Prop B	Phy C	Arg D	Po E	FRACT INTENSITY	VANLET INTENSITY
250		GRDR		243.00-243.42 RYID fractured but not brecciated with distinct chlorite bands 65°TCA, crosscut by 1cm qtz stringers ~5% py and f.g 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		GOUGE		244.17-244.48 VNSX with frags of intense phyllic altered GRDR with abundant chlorite +sx, 20% PY 10% sl 5% gn							
253		GRDR		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 254.13-254.16 and 254.17, fractures with 5mm qtz crystals open space filling with 1% subhedral gn and py, rare barite							
255		RHYL		254.81-257.56 RHYL flow banded rhyolite, phyllically altered 35°TCA with abundant sx rich bands and fracture fillings 255.57-255.58 qtz calcite stringer with ~10% py 5% gn as coarse cubes 255.67-255.95 brecciated RYID with carbonate fragments up to 3cm made of cream color plus qtz fragments in a drab green rhyolite matrix up to 60% 257.23-257.33 breccia of rhyolite fragments							
256											
257											
258		GRDR		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 257.56-271.88 GRDR coarse grained GRDR 261.71 fracture filled with drusy qtz and carbonate open space filling 262.1 alteration changes from intense phyllic to intense prop							
259											

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MINERALIZATION DESCRIPTION	TOTAL SULPHIDE	INTERVAL	WIDTH	ASSAY NUMBER	oz/ton Au	oz/ton Ag	% Cu	% Pb	% Zn	COMPOSITE ASSAYS As	
243.00 - 243.42 RY/D intense silicification with 5% py conc along chlorite veinlets, plus fg gn (TT=0.29)			0.42	18135	0.002	0.4521	0.0119	0.1657	0.2814	0.00785	Ocean Vein
243.42 - 243.77 GRDR shear zone with ~10% py, 5% gn 5% sl, ~30% qtz fragments 70% matrix of chlorite, fg, sx (TT= 0.24)			0.35	18136	0.015	0.7816	0.0284	0.1380	0.3500	0.0450	0.0135
243.77 - 244.17 GRDR shear zone similar to 18136 except less breccia fragments and matrix is green(mellblack). ~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 as 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	0.019, 1.86 over 2.47
			0.22	18148	0.032	2.19	0.0438	0.2765	0.5827	0.03163	TT = 1.60m
245.15 - 245.37 GRDR: dk green chl ± sx bands 30° TCA			1.00	18149	<0.002	0.0321	0.0019	0.0071	0.0131	0.00098	
245.37 - 246.37 GRDR, same as 18140											
248.67 - 249.17 same as sample 18139 with 1cm 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 rock fragments			0.16	18141	<0.002	0.0204	0.0016	0.0060	0.0062	0.00142	
253.45 - 254.44 GRDR with discontinuous up to 3cm wide lens coarse grained qtz crystals and 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	

PAGE 17 OF 18 | PROJECT: OCEAN VEIN | HOLE No. 89551

DEPTH (METRES) | % Core Recy | LITHOLOGY | STRUCTURE | GEOLOGICAL DESCRIPTION | ALTERATION: Sil A, Prop B, Phy C, Arg D, Po E | FRACT INTENSITY | VEINLET INTENSITY

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 VEIN(S)

GRDR

270

The majority of the hole consists of prop. altered GRDR with numerous ANID and six rhyolite units VNSX 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 gouge. (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, and 3% gn. The FW contains a high Sx content until ~263 m

trace arsenopyrite

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

E.O.H.

 PROJECT: OCEAN VEIN HOLE No. 89551

MINERALIZATION DESCRIPTION	TOTAL SULPHIDE	INTERVAL	WIDTH	ASSAY NUMBER	% Au	% Ag	% Cu	Pb	Zn	COMPOSITE ASSAYS As
255.40 - 255.67 RHYL with qtz calcite stringers up to 1cm wide containing ~1% py 5% gn			0.27	18143	<0.002	0.3879	0.0068	0.1429	0.0113	0.00082
255.67 - 255.95 RYBX with carbonate fragments up to 3cm with chlorite ± sx veinlets throughout plus 2% py in euhedral 3mm cubes			0.28	18144	<0.002	0.0700	0.0032	0.0365	0.0300	0.00061
257.10 - 257.47 RHYL plus a brecciated segment of chlorite fragments in a chlorite ± sx matrix with 2% euhedral py			0.37	18145	<0.002	0.0262	0.0031	0.0145	0.0103	0.00118
257.56 - 258.06 GRDR with ~5% py ~2% gn along fractures and conc in chlorite veinlets			0.50	18150	<0.002	0.0467	0.0049	0.0728	0.0589	0.00083

MOUNT SKUKUM GOLD MINING CORP.

MINERALS SECTION

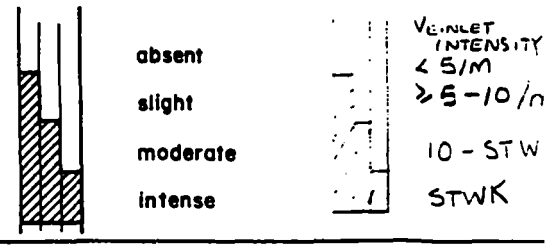
DRILL LOG

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 /89	**VERTICAL PROJECT** -226.96
CONTRACTOR ADVANCED DRILLING	
CORE SIZE BQ	
DATE STARTED JUNE 16 /89	
DATE COMPLETED JUNE 23 /89	

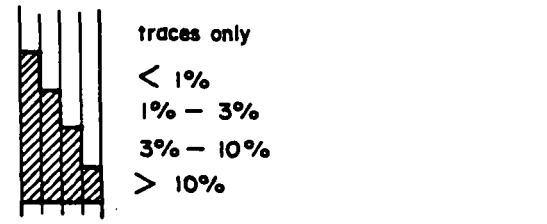
DIP TESTS

196' (59.74m) 50° 800' (243.84m) 49°
396' (120.70m) 49° 897' (273.41m) 47°
606' (184.71m) 45° ← ignored °s cork destroyed etch

ALTERATION SCALE



TOTAL SULPHIDE SCALE



COMMENTS

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- TURNING VEIN
50.05	177.65	-50.00	31.68	1179.54	230.23	N	10.0	E	4.09	E	FW- TURNING 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- SOUGE
270.28	177.65	-47.00	175.93	1013.14	86.10	N	10.0	E	10.00	E	FW- SOUGE
270.28	177.65	-47.00	175.93	1013.14	86.10	N	10.0	E	10.00	E	FW- SOUR
270.65	177.65	-47.00	176.19	1012.87	85.84	N	10.0	E	10.01	E	FW- SOUR
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- LOST
271.58	177.65	-47.00	176.82	1012.19	85.21	N	10.0	E	10.04	E	FW- LOST
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- SOUGE
273.40	177.65	-47.00	178.06	1010.86	83.97	N	10.0	E	10.09	E	FW- SOUGE
300.84	0.00	0.00	196.77	990.79	65.37	N	10.0	E	10.86	E	EOH IN GOLD

PAGE 1 OF 18 | PROJECT: OCEAN VEIN | HOLE No. 89552

DEPTH (METRES)	% Core Recy	LITHOLOGY	STRUCTURE	GEOLOGICAL DESCRIPTION (NOTE: 131 box contaminated & moved to a new box)	ALTERATION: Sil A	Prop B	Phy C	Arg D	Po E	FRACT INTENSITY	VEINLET INTENSITY
0		O/B		0 - 10.97 Overburden							
		LOST		10.97-13.10 LOST core missing 2.13m badly ground							
		O/B		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 21.12-24.99 intense argillic alteration ± 1-15cm fault gouge seams at 21.71-21.76 22.25-22.30, 23.79-23.84., dark grey fragments enclosed in GRDR up to 4cm RHYL?							
		LOST		23.84-24.15 LOST 0.31 m core missing							
		RHYL		24.15-24.52 RHYL tan colored with 5% bright green illite/sericite massive minor sx 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 banding 35°TCA patchy pyrolusite on fractures carbonate replaced phenocrysts							
				27.37-27.51 LOST 0.14 m core missing							
				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		AND		31.43 - 39.17 GRDR intensely rusty, intense prop begins at 32.79, thick 2mm coatings of oxide on fractures 30°TCA increase on fractures towards 38 m, patchy hematite 37.64 - 37.69 38.67 - 38.77 brecciated zones with 20% fragments of GRDR [illegible] ~2% [illegible]							
		GRDR		39.17 - 34.57 AND dark [illegible]							

PAGE 2 OF 18 | PROJECT: OCEAN VEIN | HOLE No. 89 552

MINERALIZATION DESCRIPTION	TOTAL SULPHIDE	INTERVAL	WIDTH	ASSAY NUMBER	% Au	% Ag	% Cu	Pb	Zn	COMPOSITE ASSAYS As
20.13 - 21.12 GRDR intense silicification with ~3% f.g sx as light grey fracture filings plus 1% f.g py diss			0.99	18146	<0.002	0.017	0.0023	0.0040	0.0038	0.0098

PAGE 3 OF 18 | PROJECT: OCEAN VEIN | HOLE No. 89-552

DEPTH (METRES)	% Core Recy	LITHOLOGY	STRUCTURE	GEOLOGICAL DESCRIPTION	ALTERATION Sil A	Prop B	Phy C	Arg D	Po E	FRACT INTENSITY	VEINLET INTENSITY
45		GRDR		39.57-61.35 GRDR coarse grained, magnetic with pink maroon 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							
				EVENING VEIN? with margins of sx 10% Sl, 5% gn 10% py							
50				53.22 - 53.71 intense epidote replacing phenocrysts minor brsx calcite veinlets ≤8mm							
				61.47m 3mm hematite veinlets 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							
		GRDR	30° switch (CASm)	65.17 - 65.29 GRDR shear zone with abundant calcite filled fractures							
				65.29-65.36 AND dyke like grey green AND? with only 5% phenocrysts in a f.g matrix							
				65.36-114.38 GRDR 70.29-70.75 intense po alteration with hematitic veinlets and up to 3% py conc in veinlets of chlorite minor leucoxene							
70		GRDR		72.23 ground core bot 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							

PAGE 4 OF 18 | PROJECT: OCEAN VEIN. | HOLE No. 89 552

MINERALIZATION DESCRIPTION	TOTAL SULPHIDE	INTERVAL	WIDTH	ASSAY NUMBER	% Au	% Ag	% Cu	Pb	Zn	COMPOSITE ASSAYS As
49.75-50.08 GRDR with 2 4cm stringers with margins of sx 10% sl 5% gn 10% py, intensely rusty with pyrolusite on fractures (Evening VEIN?)			0.33	18147	0.014	1.94	0.043	0.8792	1.1417	>0.1000

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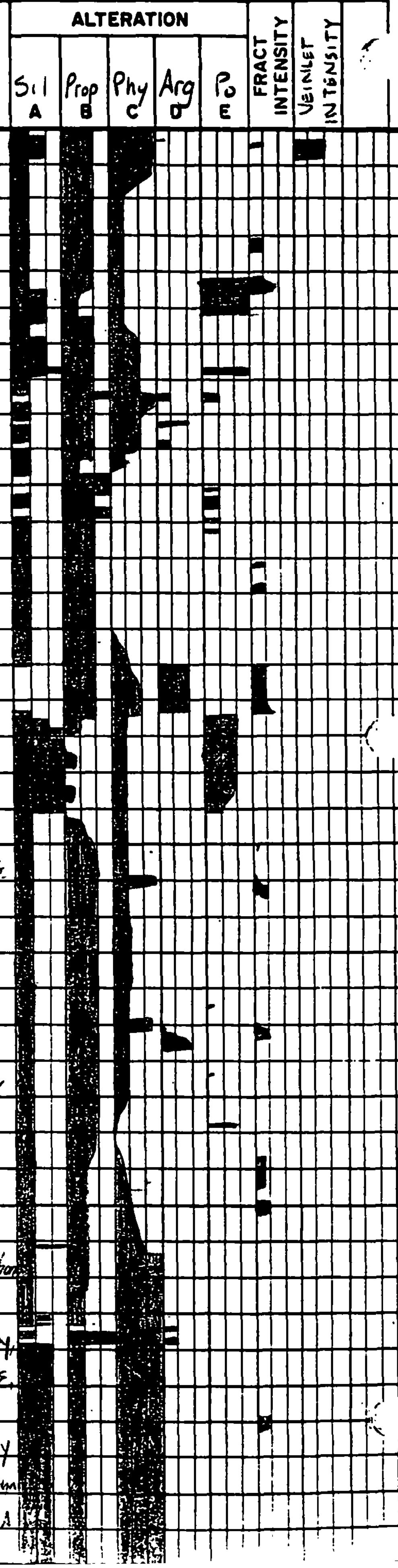
DEPTH (MIS)	% Core Recy	LITHOLOGY	STRUCTURE	GEOLOGICAL DESCRIPTION	ALTERATION A	B	C	D	E	FRACT INTENSITY	VEINLET INTENSITY
80			0.36m stretch	65.36 114.38 GRDR CONT minor leucoxene 85.85-8587 hematite veinlets with assoc epidote envelopes, Po alteration 88.59-88.61, 88.82-88.83, 89.96-90.10, 90.25-90.36, 90.42-90.96 aplite, ank Po alt^n mottled red colored with hematite blebs ~1% up to 3mm 91.69-9175 intense sheeted veinlets qtz + calcite up to a max of 1cm with 5% py 2% sl 2% gn, sx								
90				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 50° TCA 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 euhedral grains 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 3mm wide 2% gn along selvages + diss, 2% sl 111.12-111.13 1cm calcite qtz veinlet with 2% py along margins plus 1cm wide within the veinlet, 1% gn + sl diss along selvages								
110				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)							
		GRDR		117.43-117.65 LOST 0.22m core missing, ground core							
		GRDR		117.65-129.61 GRDR as above with at ~119m intense [illegible] veinlets 120.28-120.[illegible]							

 PROJECT: OCEAN VEIN HOLE No. 89 552

MINERALIZATION DESCRIPTION	TOTAL SULPHIDE	INTERVAL	WIDTH	ASSAY NUMBER	% Au	% Ag	% Cu	Pb	Zn	COMPOSITE ASSAYS As
91.50 - 91.75 ; SIL-GRDR with sheeted qtz calcite veinlets 5% py 2% sl 2% gn oriented as veinlet selvages 60°TCA			025	18151	<0.002	0.405	0.0360	0.0516	0.0454	0.00235
106.22 - 106.49 GRDR with qtz calcite veinlets and assoc sx ~5% py 2% gn 2% sl concentrated along selvages of veinlets but also diss throughout interval			0.27	18152	<0.002	0.092	0.0033	0.0348	0.0272	0.00324
120.19 - 120.83 qtz calcite veinlet + GRDR with 2% sx: py, gn, sl, cp as selvages plus sx diss throughout, intense silic GRDR with 2%			0.64	18153	<0.002	0.496	0.0046	0.0405	0.0293	0.00471

PROJECT: OCEAN VEIN HOLE No. 89 552

DEPTH (METRES)	% Core Recy	LITHOLOGY	STRUCTURE	Interval	GEOLOGICAL DESCRIPTION
120		GRDR		117.65-129.61	GRDR cont
					124.69-125.30 light pink Po altered
					GRDR with sericite replacing phenocrysts
			ΔΔΔ		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		AN/D		129.61-130.29	AN/D dark green with calcite blebs
		GRDR			GRDR fragments enclosed within up to 8cm
				130.29-130.46	GRDR Po altered with minor leucoxene
				130.46-130.82	AN/D as above
		GRDR		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 phyllic GRDR
					136.54 - 139.18 intense silicification light
140					pink color with abundant leucoxene, patchy
					chlorite with assoc ~1% f.g diss py, hematite
					blebs at the F.contact
					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% diss py
					assoc with chlorite veinlets
				153.43-153.88	GRDR clay rich with chlorite + f.g
150					grey sx on fractures plus intense phyllic
					alteration
		RY/D		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,
					rhyolite contains ~5% qtz eyes 2mm wide,
					fractures are coated with calcite over
					light clear green sericite plus diss sx-py
					increase down hole ~ 2% [illegible] <1cm, [illegible]
					157.90-15[illegible] [illegible] fractures 45° TCA



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MINERALIZATION DESCRIPTION	TOTAL SULPHIDE	INTERVAL	WIDTH	ASSAY NUMBER	% Au	% Ag	% Cu	Pb	Zn	COMPOSITE ASSAYS As
157.88 - 158.02 RYID with fractures coated by fluorite and later by calcite and both of these are coat ~ 3% euhedral py on fracture surface			0.14	18154	0.013	0.537	0.0020	0.0252	0.0241	0.00858

DEPTH (METRES)	% Core Recy	LITHOLOGY	STRUCTURE	GEOLOGICAL DESCRIPTION
160		RYID		161.79-163.45 GRDR phyllic altered moderate silicification with chlorite veinlets ± sx (py: f.g gn)
		GRDR		163.45-164.15 ANID medium to dark green with numerous qtz calcite veinlets containing hematite and ~ 1% f.g py, veinlets at random orientations, calcite blebs diss ~1%. minor leucoxene diss throughout
		ANID		
165		GRDR		
		ANID		
		GRDR		
	GOUGE			164.15-164.93 GRDR weak phyllic, minor leucoxene
				164.93-165.12 ANID dark green, minor hematite, as above
				165.12-165.83 GRDR as above, minor Po alt° on HW
170				165.83-165.94 ANID as above
				165.94-166.42 GRDR as above with distinct biotite 1%
				166.42-166.51 GOUGE mud seam from surface? zones 61.35-61.52
				166.51-199.02 GRDR same as above, patchy Po alt°
175				167.49-167.87 zone of phyllic, Po alt° with 5% 3 5mm qtz calcite veinlets with hematite ~1% py
				168.73-174.50 patchy hematite replacement of phenocrysts
				181.57-181.66 ANID fragment enclosed
				184.36-184.39 intense silicification with 5 sheeted veinlets 50° TCA with 1% py
180		GRDR		and trace gn along selvages
				188.66 minor florite in a 4 mm calcite veinlet
				192.10-192.15 intense silicification with qtz fragments up to 2cm wide with chlorite ± 1% f.g sx selvages
				192.48-192.81 2cm qtz calcite stringer with chl. 1% py selvages and Potassic altered envelopes 1cm wide
190				196.15-197.45 intense phyllic, se blebs ± 1cm
				197.19-197.25 intense silicification with qtz calcite veinlets and ~3% py ~1% gn
				198.54-198.63 shear zone with chlorite veinlets containing 2% py 1% gn; sl -
19				199.02-199.51 ANID light green with a sheared FW contact, fine grained with 5% phenos
				199.51-215.56 GRDR as above with introduction of argillic alteration until 202.76m core is broken and soft

ALTERATION: A Sil | B Prop | C Phy | D Arg | E Po

FRACT INTENSITY

VEINLET INTENSITY

PAGE 10 OF 18 | PROJECT: OCEAN VEIN | HOLE No. 89 552

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

PROJECT: OCEAN VEIN

HOLE No. 89552

DEPTH (M)	% Core Recy	LITHOLOGY	STRUCTURE	GEOLOGICAL DESCRIPTION	ALTERATION Sl A	Prop B	Phy C	Arg D	Po E	FRACT INTENSITY	VEINLET INTENSITY
200		GRDR		199.51 - 215.56 GRDR cont 204.09 - 205.33 moderately silicified pink granodiorite with ~2% diss py and minor leucoxene 206.87 3cm fragment of qtz with chlorite selvages and Po alteration halo, no sx 208.79 - 209.11 hematite flooded zone 213.17 - 213.19 2cm qtz calcite stringer with 5% py along selvages Po envelopes 214.73 - 214.75 intense silicification with 1cm qtz calcite veinlet with chlorite plus 3% py, 1% gn selvages and py diss in host around veinlet							
210				215.56 - 215.92 ANID dark green with chlorite along fractures, trace grey gouge on FW contact at 20° TCA							
215		ANID		215.92 - 225.98 GRDR as above with pervasive Po alt'n with 217 21 where after Po is patchy 220.32 - 220.38 brecciated zone with 4cm qtz fragments 70% with 30% chlorite plus 3% py matrix, GRDR is arg ± phy altered 222.70 - 222.71 1cm qtz calcite veinlet with margins of 2mm grey Sx rich gouge f.g py ± gn in phyllic altered GRDR 220.95 - 220.955 5mm Calcite, qtz veinlet with 5% py 2% gn 1% sl along selvages 225.5 ground core (no loss)							
220		GRDR									
225		ANID		225.98 - 231.26 ANID mottled with calcite blebs up to 30% and as veinlets at random orientation with minor (remnants, 230.81 - 230.95 GRDR fragment							
230		GRDR		231.26 - 233.97 GRDR as above 231.38 - 231.47 silicified zone with sheeted veinlets of qtz ± calcite plus hematite with ~2% py 233.58 - 233.67 ANID fragment enclosed							
		ANID		233.97 - 235.00 ANID as above with less Calcite blebs							
235		GRDR		235.00 - 244.27 GRDR zone as above 237.78 - 237.86 silicified zone with qtz calcite veinlets plus ~5% py rare along selvages ± fg grey Sx ? chl							
240											

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

 PROJECT: OCEAN VEIN HOLE No. 89 552

DEPTH (METRES)	% Core Recy	LITHOLOGY	STRUCTURE	INTERVAL	GEOLOGICAL DESCRIPTION
240		GRDR		235.00-244.27	GRDR cont 238.93-238.97 1cm white qtz (calcite) veinlet with intensly silicified envelopes, ~2% py. 1% gn. f.g grey sx
					241.55 ground core (no loss)
245		AN/D			242.15-242.22 silicified zone with calcite qtz veinlets 45° TCA with bands of chlorite and veinlets selvages of 3% py 1% gn, calcite on fracture
					243.93-244.18 shear zone with convoluted GRDR chlorite veinlets with 1% euhedral py, minor gouge
				244.27-244.50	AN/D dark green as above, moderate leucoxene
250		GRDR		244.50-256.44	GRDR same as above
					248.62-274.58 GRDR becomes bleached, increased phyllic alt^{n} ; chlorite veinlets with py ~2%
					250.89-251.22 intense silicification, randomly oriented calcite veinlets 251.04 3 by 4cm blob of massive py and 1% diss. trace cp
255		AN/D			254.07-254.97 intense silicification, faint phenocryst present, ~3% diss py 1% gn
					254.89 ground core (no loss)
				256.44-256.69	AN/D pale green weakly sheared, minor leucoxene, 1% py
260		GRDR		256.69-270.10	GRDR same as 248.82-274.58 with a dramatic increase in chlorite veinlets most with assoc py, veinlets at random orientations
					259.28-259.35 unconsolidated core with 20% gouge plus grdr fragments as is interval 259.74-259.79m
					261.36-261.76, 262.36-262.78 brecciated GRDR round fragments up to 15mm ~30% of rock in a grey chl ± f.g sx matrix
265		GRDR			265.42-265.54 unconsolidated core, mod arg
					265.95 fracture 85° TCA filled with 10% py 5% gn 2% sl assoc with chl
					266.39-266.65 fine grained portion of granodioritic phase with 1% f.g py diss
					227.03, 227.20, 227.33-227.38 minor shear zones with grey chl + sx along fractures
					269.32-269.45 shear zone with ~2% diss gn 3% py with minor brecciation with phyllic fragments of GRDR [illegible]
270					[illegible]

 PROJECT: OCEAN VEIN HOLE No. 89 552

MINERALIZATION DESCRIPTION	TOTAL SULPHIDE	INTERVAL	WIDTH	ASSAY NUMBER	% Au	% Ag	% Cu	Pb	Zn	COMPOSITE ASSAYS As
250.89 - 251.22 GRDR intense silicification with an irregular py blob 3 by 4 cm at 251.04 m, f.g. py diss throughout ~1%, trace cp			0.33	18155	<0.002	0.1779	0.0138	0.0101	0.0091	0.0033
254.07 - 254.97 GRDR intense silicification with 3% diss py as euhedral blebs, 1% fgn concentrated with py along fractures			0.90	18156	<0.002	0.0671	0.0078	0.0019	0.0024	0.00098
257.15 - 257.48 GRDR with 40% grey chlorite plus sx in fractures, 2% py diss, 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 diss 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 qtz as well as GRDR, ~2% py as euhedral blebs			0.42	18159	0.007	0.6553	0.0149	0.0806	0.1354	>0.1000
268.37 - 269.37 GRDR with fg sx and ~3% visible py diss through out			1.00	18175	0.001	0.02	0.005	0.006	0.005	0.0016

 PROJECT: OCEAN VEIN HOLE No. 89552

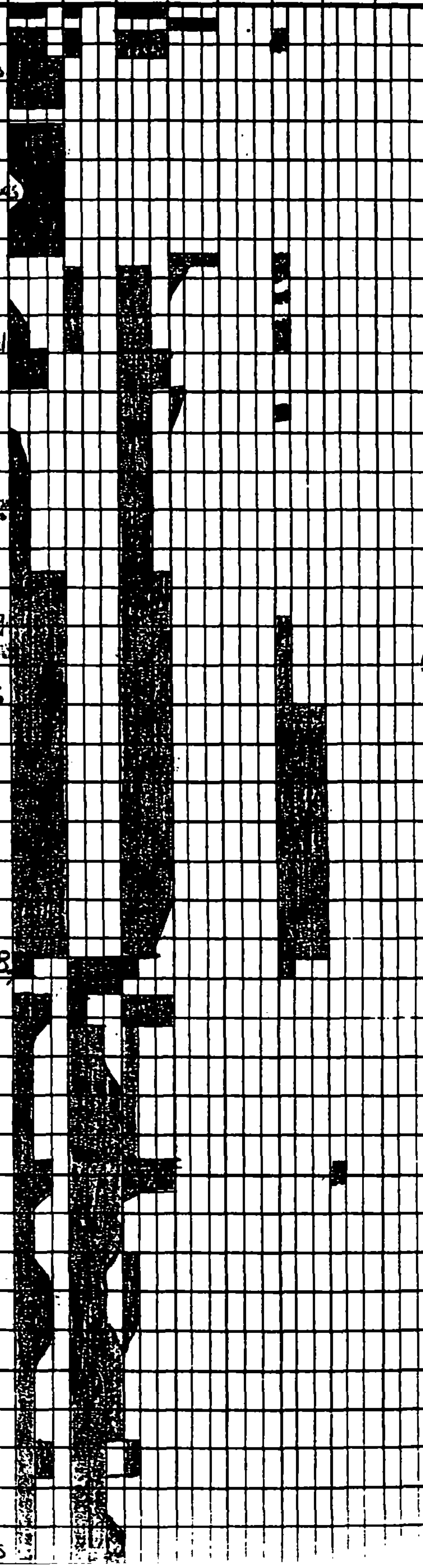
Columns: DEPTH (METRES) | % Core Recy | LITHOLOGY | STRUCTURE | GEOLOGICAL DESCRIPTION | ALTERATION: Sil A, Prop B, Phy C, Arg D, Po E | FRACT INTENSITY | VEINLET INTENSITY

Depth scale: 270, 271, 275, 280, 290, 300

Lithology column (top to bottom): GRDR, VNSX, LOST, VNSX, GOUGE, GRDR, RYID, GRDR, RY/D, GRDR/ANID, GRDR

Structure: GOUGE

Interval	Geological Description
270.10-270.28	GOUGE light grey clay gouge with bands of dark grey chl ± sx, minor fragments
270.28-270.65	GRDR brecciated with 40% qtz fragments in a phyllic light green matrix with patchy py conc up to 3% along fractures
270.65-271.33	VNSX (OCEAN VEIN) 50-60% qtz fragments up to 3cm wide in a dark grey sx rich chl matrix (50-40%) HW contact consists of a 5cm zone of ~40% py ; 5% gn ~5% sl
271.33-271.58	LOST 0.25cm missing core (ground core)
271.58-273.23	VNSX (OCEAN VEIN) as above with 70-80% qtz fragments with sx concentrated in patches of 10% py, 5% Ars pyrite 10% sl 5% gn, sheared fragments of GRDR are enclosed within (max 4cm)
273.23-273.40	GOUGE grey clay gouge with 30% GRDR frag.
273.40-274.48	GRDR sheared granodiorite, weak argillic becoming silicified down hole ~2% py diss
274.48-274.98	RYID tan barmy green rhyolite with 5% py, 3% sl 3% gn in veinlets plus bright green illite sericite blebs, minor gouge on fractures
274.98-277.27	GRDR same as above
277.27-284.56	RY/D intensely silicified, fractured giving brecciated look for HW to 278, 1% diss py, core broken into pieces ~2cm wide, towards end of interval RYID becomes more tan color (less phyllic alteration) with dark grey bands 20°TCA
284.56-285.00	GRDR intense prop granodiorite with < 1% diss py
285.00-285.23	ANID dark green with abundant hairline calcite veinlets plus hematite, ~1% py diss throughout
285.23-300.84	GRDR same as above, core is now magnetic (fresh looking) 285.23-286.17 intense phyllic moderate silicification [illegible] abundant hairline [illegible] is



 PROJECT: OCEAN VEIN — HOLE No. 89 552

MINERALIZATION DESCRIPTION	TOTAL SULPHIDE	INTERVAL	WIDTH	ASSAY NUMBER	% Au	% Ag	% Cu	Pb	Zn	COMPOSITE ASSAYS 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	0.0064	0.0027	0.0013	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	0.0664	0.0140
270.28-270.65 GRDR brecciated with 40% qtz fragments, 3% py diss throughout		(TT	0.37	18163	<0.002	0.0997	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 fragment 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 same 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	1.5629	>0.1000
272.13-272.68 VNSX OCEAN VEIN as 18165 with minor sheared GRDR, and cons 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 FW 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 RY/D bicolor 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, f.g. grey sx on fractures			1.00	18172	0.001	0.04	0.002	0.01	0.008	0.0012

Composite (right margin): 0.028 / 3.78 / 2.15 m — OCEAN VEIN — TOTAL INTERSECTION

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DEPTH (METRES)	% Core Recy	LITHOLOGY	STRUCTURE	GEOLOGICAL DESCRIPTION	ALTERATION Sil A	Prop B	Phy C	Arg D	Po E	FRACT INTENSITY	VEINLET INTENSITY
300		GRDR / E.O.H		285.23-300.84 GRDR cont 289.76-290.87 intense phyllic altered with patchy Po alteration and moderate silicification, rare diss py and minor leucoxene 193.41-194.10 aplite, intense silicification, Po alteration, minor leucoxene throughout plus diss hematite 194.10-300.84 moderate to intense prop altered "Fresh looking" GRDR with ~1% diss py and rare concentrations of py along fractures E.O.H 300.84 m							

PAGE 18 OF 18 | PROJECT: OCEAN VEIN | HOLE No. 89-552

MINERALIZATION DESCRIPTION	TOTAL SULPHIDE	INTERVAL	WIDTH	ASSAY NUMBER	~~%~~ oz/ton Au	~~%~~ Ag	% Cu	% Pb	% Zn	COMPOSITE ASSAYS As
277.27 - 278.27 RYID brecciated with ~1% diss py through out			1.00	18173	0.001	0.02	0.001	0.005	0.002	0.0049
279.50 - 280.50 RYID with f.g grey Sx on fractures, ~1% diss visible py			1.00	18174	0.001	0.02	0.005	0.006	0.005	0.0021

PAGE OF | PROJECT: | HOLE No. 89 552

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

HOLE SUMMARY

89 552 was drilled to intersect the ocean vein at depth where projected by an HLEM anomaly, and to continue the fence from 89551. An other possible target was the extension of the evening vein(s)

The majority of the hole consists of GRDR with ANIDs and 4 RYID (incl the RYID after the Ocean Vein intersection)

At 50.11 - 50.15 is a qtz stringer which may represent the evening vein but is not brecciated like the 550, 551 intersections.

The target Ocean vein was intersected at 270.10 - 273.40 with 0.55m of clay gouge and sheared GRDR in the HW portion, and 0.17m gouge in FW portion of intersection. Note LOST core from 271.33 - 271.58 (0.25cm). The Ocean Vein is comprised of 50-80% qtz fragments in a dark grey matrix of sericite and f.g. sx, 10% py, 5% sl 3% arsenopyrite and 2% gn is typical. The vein is much longer and continuous in that it was not interrupted by dykes than in 89551. The calculated true thickness is 2.15m

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	**DIP** -54 59°
EASTING 80 530.38	**TOTAL LENGTH** 283 16
LOGGED BY J. BLACK	**HORIZONTAL PROJECT** 193.9696
DATE JULY 15 189	**VERTICAL PROJECT** -204 7407
CONTRACTOR ADVANCED DRILLING	**ALTERATION SCALE** absent, slight, moderate, intense; VEINLET INTENSITY 0-5/m, 5-10/m, 10/m-STWK, STOCKWORK
CORE SIZE BQ	
DATE STARTED JULY 13 189	**TOTAL SULPHIDE SCALE** traces only, < 1%, 1% – 3%, 3% – 10%, > 10%
DATE COMPLETED JULY 18 189	
DIP TESTS 206'(62.79) 52°; 406'(123.75) 47°; 606'(184.71) 44°; 796'(242.62) 40°; 920'(280.42) 39½°	
COMMENTS Hole shallowed by 15° from collar to end of hole	**LEGEND**

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

LENGTH	AZIMUTH	DIP	NORTH	ELEV	DIST FROM BL	SECTION	SEC OFFSET	DESCRIPTION
0.00	180.00	-54.59	0.00	1218.00	251.15 W	10.0 E	1.88 E	COLLAR
0.00	180.00	-54.59	0.00	1218.00	251.15 W	10.0 E	1.88 E	
31.40	180.00	-52.00	18.19	1192.41	242.95 W	10.0 E	1.88 E	DIP CHANGE
44.21	180.00	-52.00	25.08	1183.31	235.97 W	10.0 E	1.88 E	HW->EVENING VEIN
44.43	180.00	-52.00	25.22	1182.14	234.93 W	10.0 E	1.88 E	FW->EVENING VEIN
48.78	180.00	-53.00	28.92	1178.71	232.26 W	10.0 E	1.88 E	HW->EVENING VEIN
48.84	180.00	-52.00	28.94	1178.65	232.21 W	10.0 E	1.88 E	FW->EVENING VEIN
53.53	180.00	-52.00	29.97	1177.31	231.18 W	10.0 E	1.88 E	HW->EVENING VEIN
50.40	180.00	-52.00	30.01	1177.28	231.14 W	10.0 E	1.88 E	FW->EVENING VEIN
93.37	180.00	-47.00	56.28	1148.45	204.87 W	10.0 E	1.88 E	DIP CHANGE
156.23	180.00	-44.00	97.85	1099.07	163.29 W	10.0 E	1.88 E	DIP CHANGE
213.67	180.00	-40.00	140.61	1057.78	129.56 W	10.0 E	1.88 E	DIP CHANGE
256.11	180.00	-40.00	173.13	1030.50	88.02 W	10.0 E	1.88 E	HW->WEST OCEAN VEIN
256.21	180.00	-40.00	173.20	1030.44	87.95 W	10.0 E	1.88 E	FW->WEST OCEAN VEIN
256.31	180.00	-40.00	173.28	1030.37	87.87 W	10.0 E	1.88 E	HW->WEST OCEAN VEIN
256.48	180.00	-40.00	173.56	1030.13	87.59 W	10.0 E	1.88 E	FW->WEST OCEAN VEIN
256.68	180.00	-40.00	173.56	1030.13	87.59 W	10.0 E	1.88 E	HW->PEGZ
257.02	180.00	-40.00	173.82	1029.92	87.33 W	10.0 E	1.88 E	FW->PEGZ
257.02	180.00	-40.00	173.82	1029.92	87.33 W	10.0 E	1.88 E	HW->GPZP
261.52	180.00	-39.50	177.27	1027.02	81.88 W	10.0 E	1.88 E	DIP CHANGE
267.70	180.00	-39.50	182.04	1023.09	79.11 W	10.0 E	1.88 E	FW->GPZP
267.70	180.00	-39.50	182.04	1023.09	79.11 W	10.0 E	1.88 E	HW->WEST OCEAN VEIN
268.20	180.00	-39.50	182.43	1022.77	78.72 W	10.0 E	1.88 E	FW->WEST OCEAN VEIN
268.20	180.00	-39.50	182.43	1022.77	78.72 W	10.0 E	1.88 E	HW->GOOSE
268.46	180.00	-39.50	182.63	1022.62	78.56 W	10.0 E	1.88 E	FW->GOOSE
268.46	180.00	-39.50	182.63	1022.62	78.56 W	10.0 E	1.88 E	HW->WEST OCEAN VEIN
269.44	180.00	-39.50	183.38	1021.99	77.77 W	10.0 E	1.88 E	FW->WEST OCEAN VEIN
269.44	180.00	-39.50	183.38	1021.99	77.77 W	10.0 E	1.88 E	FW->LOST
269.74	180.00	-39.50	183.61	1021.80	77.56 W	10.0 E	1.88 E	FW->LOST
269.74	180.00	-39.50	183.61	1021.80	77.56 W	10.0 E	1.88 E	HW->WEST OCEAN VEIN
269.90	180.00	-39.50	183.74	1021.69	77.43 W	10.0 E	1.88 E	FW->WEST OCEAN VEIN
283.16	0.00	0.00	193.97	1018.26	67.18 W	10.0 E	1.88 E	END OF HOLE

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DEPTH (METRES)	% Core Recy	LITHOLOGY	STRUCTURE	GEOLOGICAL DESCRIPTION	ALTERATION A Sil	B Prop	C Phy	D Arg	E Po	FRACT INTENSITY	VEINLET INTENSITY
0				0-18.90 OIB							
				18.90-19.12 GRDR moderately silicified granodiorite with rusty fractures and pyrolusite throughout							
10		OIB		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/illite clots throughout, rusty fractures with weak argillic alteration, 3% euhedral py fine grained in local veinlets with f.g. Sx/chl							
20	GOUGE	RYID GRDR									
	GOUGE	GRDR		20.73-21.73 GRDR same as above with patches of intense silicification and blwn 20.73-20.91 local chlorite veinlets ± f.g. Sx with 1% f.g. py at 30°TCA, minor brecciation with chl matrix							
25		RYID GRDR		21.73-21.95 GOUGE steel grey gouge with ~5% 2mm fragments of GRDR, HW 50°TCA, trace py							
		GRDR		21.95-25.33 GRDR same as above, 21.95-22.12 strong silicification with grey chlorite ± f.g. Sx veinlets at random orientations with 1% diss py							
30		RYID		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							
		GRDR		25.33-25.61 RYID same as above with 5% dark green sericite/illite blebs up to 3mm wide, minor discontinuous calcite veinlets, no limonite							
		AN/D		25.61-27.70 GRDR same as 22.12-25.33 with local RYID fragments blwn 25.86-25.92, 26.11-26.17							
35		GRDR		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							
		AN/D		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							
		GRDR		33.78-34.41 AN/D dark green [illegible]							

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MINERALIZATION DESCRIPTION	TOTAL SULPHIDE	INTERVAL	WIDTH	ASSAY NUMBER	oz/ton Au	oz/ton 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	0.0037	0.0211	0.0510	0.0170
20.22 - 20.73 RYID tan colored with 5% bright green sericite/illite diss, 3% f.g. euhedral py cubes in local chlorite ± f.g. sx bands			0.51	18210	<0.0002	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	<0.0002	0.05	0.0027	0.0146	0.0151	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 euhedral py cubes			0.38	18214	0.0002	0.05	0.0025	0.0130	0.0152	0.0230
35.36 - 35.89 GRDR with 3 local qtz + f.g sx as well as 2% f.g diss py + rusty blocky core evening iron?			0.53	18215	0.167	1.24	0.0317	0.7440	2.960	0.5260

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DF + (ME 3)	% Core Recy	LITHOLOGY	STRUCTURE	GEOLOGICAL DESCRIPTION	ALTERATION Sil A	Prop B	Phy C	Arg D	Po E	FRACT INTENSITY	VEINLET INTENSITY
10		ANID		34.41-36.99 GRDR same as above limonite blocky core with f.g grey sx on fractures and conc in qtz/fluorite veinlets up to 1cm wide with 10% py assoc with qtz+diss							
1											
2		GRDR									
				36.99-37.22 ANID same as above, minor discontinuous calcite veinlets at random orientations, limonite fractures							
3											
				37.22-39.70 GRDR dark green, moderate prop altered with 20% f.g. py diss with local leucoxene and minor finer grained phases of granodiorite as 7cm fragments							
4		VNSX									
45				39.70-40.39 ANID same as above with 2% hematite veinlets (<2mm) at random orientations, minor leucoxene, HW 50°TCA FW 55°TCA							
6											
				40.39-44.21 GRDR fresher looking granodiorite with distinct plag and Kspar crystals, weak prop and moderate phyllic alteration, local qtz veinlets with assoc f.g sx, 43.86 is a 3mm qtz veinlet with 2% euhedral py cubes + f.g sx							
7											
8											
9				44.21-44.43 VNSX brecciated qtz vein with ~2% f.g sx plus diss ~1% gn diss, rare cp, 1% py, limonite on fractures and in minor clay, FW 30°TCA							
				EVENING VEIN?							
50											
		GRDR		44.43-62.00 GRDR same as above with minor leucoxene							
1				*EVENING VEIN?* 48.78-48.86 qtz stringer with f.g sx up to 3%, hematite veinlets 1% diss py, HW 30°TCA							
2				49.94-50.03 minor shear with convoluted chl veinlets 60°TCA limonite on HW, rare calcite blebs							
3				50.53-50.60, 50.62-50.65, 50.73-50.77 qtz veinlets with dark grey f.g sx selvages and blebs within, up to 10% visible py, 1% gn							
4				*EVENING VEIN?* 50.77-50.97 is GRDR brecciated with 10% qtz fragments and 5% f.g sx + chlorite fragments up to 1cm							
55											
				52.34-52.35, 52.65-52.72 qtz veinlet 7cm with assoc sx ~5% py diss, rare gn, sl							
6											
7				47.93-47.97 introduction of Potassic alteration							
				59.30-59.76 fragments of intensely silicified finer grained aplite up to 12cm running the length of core, Potassic altered with 1% py blebs up to 3mm							
8											
				60.28-60.30 2cm brecciated qtz/calcite (late) veinlet 60°TCA							
9											

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MINERALIZATION DESCRIPTION	TOTAL SULPHIDE	INTERVAL	WIDTH	ASSAY NUMBER	oz/ton Au	% Ag	% Cu	Pb	Zn	COMPOSITE ASSAYS As
44.21-44.43 VNSX Brecciated qtz/calcite vein with 2% f.g. sx inus ~1% diss gn, rare cp, 1% disspy veining vein?			022	18216	0.0003	0.22	0.0072	0.0539	0.0210	0.2410
48.63-49.10 GRDR with a qtz stringer btwn 48.78-48.86m having f.g sx selvages and minor hematite veinlets, 1% diss py veining vein?			047	18217	0.0007	0.10	0.0026	0.0072	0.0096	<0.0010
50.53-50.97 GRDR with 3 qtz stringers having f.g sx selvages and up to 10% py, 1% gn visible as well as a brecciated section with qtz (10%) and sx fragments veining vein?			044	18218	0.0104	0.55	0.0103	0.1628	0.6090	0.2100

DEPTH (METRES)	% Core Recy	LITHOLOGY	STRUCTURE	GEOLOGICAL DESCRIPTION	ALTERATION Sil A	Prop B	Phy C	Arg D	Po E	FRACT INTENSITY	VEINLET INTENSITY
60				62.00-62.30 LOST 0.30 m core missing							
				62.30-131.88 GRDR same as above, HW contact consists of 5cm of badly ground core, up to 1% diss leucoxene throughout, local calcite blebs up to 2cm x 4mm at random orientations							
65				fractures coated with limonite and local hematite, local f.g zenolithic fragments of greater % of mafics and an increased leucoxene amount, minor local patches of prop alteration, minor shear at 70.53 of chlorite veinlets 30°TCA, btwn							
70				73.32-73.35, moderate prop alt'n with 5 hair-line py veinlets crosscutting each other with 5% py							
				74.71-74.74 qtz stringer with calcite blebs ≤ 3mm and hematitic/chloritic selvages with 1% f.g diss py, bleached core btwn							
75				75.50-76.16 with patchy local silicification							
				78.34-78.36 2cm qtz stringer 1% diss gn and py 2%, 1% sl as 5mm blebs in a saussuritized matrix of GRDR, local qtz flooding							
80		GRDR		80.83-80.87 4cm ribbon stringer with sx (py and trace gn) selvages and 1 3mm calcite veinlet as the center ribbon							
				weak slickensides on contacts, similar ribbon vein btwn 81.43-81.46 m, minor calcite							
85				84.81-84.83, 85.19-85.25, 85.71-85.79, 86.16-86.3							
				86.63-86.77, 86.92-87.51, 88.32-88.42, 88.95-89.86							
				aplite, pink with weak prop alteration, silicif							
				minor calcite veinlets and blebs, conc							
				along fractures 30-40°TCA, local 1mm							
90				py/chl veinlets at random orientations							
				up to 2% py overall, fractures generally rusty,							
				<1% diss tan leucoxene diss throughout							
				96.03-96.04, 96.27-96.30 qtz/calcite veinlets							
				with 2% py as subedral cubes, 1% f.g sl							
95				96.31-96.77 intense prop shear zone of							
				convoluted chlorite veinlets, brecciated							
				with subangular qtz fragments up to							
				10% and 5mm wide rusty fractures 25°TCA							
				98.30, 98.34 fractures 30°TCA coated to 2mm							
				of [illegible]							

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MINERALIZATION DESCRIPTION	TOTAL SULPHIDE	INTERVAL	WIDTH	ASSAY NUMBER	~~%~~ Au	~~%~~ Ag	% Cu	% Pb	% Zn	COMPOSITE ASSAYS As
78.30 - 78.71 GRDR intense silicification with ≤2cm qtz stringer btwn 78.34 - 78.36 with 1% diss f.g gn, 2% diss py and 1% blebs of sl (brown and massive); intense phyllic alt^{n}			041	18219	0.0016	0.02	0.0041	0.0404	0.0706	0.1510

DEPTH (METRES)	% Core Recy	LITHOLOGY	STRUCTURE	GEOLOGICAL DESCRIPTION	ALTERATION: Sil A	Prop B	Phy C	Arg D	Po E	FRACT INTENSITY	VENLET INTENSITY
100		GRDR		62.30-131.88 GRDR cont 99.89-100.35 aplite with potassic envelopes up to 3cm wide, minor hematite 100.56-100.58 2cm qtz/calcite brecciated veinlet with 1% euhedral gn and 2% diss py along selvages 102.38-102.41 zone of intense potassic alteration fw contact 50 TCA with abundant leucoxene and hematitic selvages; 103.63-103.89 shear zone with convoluted chlorite veinlets and brecciation with 20% qtz fragments weak argillic alteration, 1% diss py							
110				108.81-108.85, 110.54-110.53 intense phyllic zones with py rich chlorite veinlets + qtz calcite veinlets up to 1cm with 1% diss gn 1% brown sl and 2% diss and conc in blebs, pyrite, str. 40° TCA 112.71, 116.58-116.59 qtz/calcite veinlet with 5% py blebs, 1% sl + gn diss throughout 116.86 fracture coated with 10% gn, 10% sl and 5% euhedral py plus fg grey sx, 60° TCA 118.55-118.60 intensely silicified zone with brecciation and qtz fragments up to 1cm and 1% diss py, tr gn							
120				122.17-122.77 intensely silicified zone with moderate to intense phyllic alteration with local hematitic veinlets and assoc fg sl and gn up to 1%, diss py in 1cm blebs (3%) 124.63-125.59 intense silicification, phyllic alteration with a white qtz stringer btwn 124.73-124.82 with rare sl and gn plus 1% py; 125.55-125.57 qtz calcite veinlet with 1% gn, sl and py along selvages							
130		ANID GRDR ANID		127.80-127.82 2cm qtz veinlet with hematitic selvages plus 1% py diss in weak sheared envelope 131.88-132.34 ANID same as above, blocky core 132.34-132.63 GRDR same as above with ± 1% diss py, minor leucoxene, fresh GRDR 132.63-33.05 AN/D same as above with a 2mm erratic calcite veinlet ~11 TCA 133.05-155.26 GRDR same as above with fragments of ANID up to 6cm und/ 133.85m 138.41-138.67 aplite with potassic							
140											

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MINERALIZATION DESCRIPTION	TOTAL SULPHIDE	INTERVAL	WIDTH	ASSAY NUMBER	~~%~~ Au	~~%~~ Ag	% Cu	% Pb	% Zn	COMPOSITE ASSAYS As
122.17 - 122.77 GRDR intense silicification, moderate-intense phyllic alteration with local hematite plus fg sx veinlets, sx arsgn and sl up to 1% and 3% blebs of py			0.60	18220	0.002	0.27	0.0084	0.0635	0.0583	0.1830
124.63 - 125.59 GRDR intense silic with a qtz stringer btwn 124.73-124.82 and 125.55 - 125.57 m, overall 1% diss py, rare to 1% gn + sl conc along stringer and veinlet selvages			0.96	18221	0.005	0.11	0.0052	0.0364	0.0436	0.1740

PROJECT: OCEAN VEIN

HOLE No. 89555

DF (METRES)	% Core Recy	LITHOLOGY	STRUCTURE		GEOLOGICAL DESCRIPTION	ALTERATION Sil A	Prop B	Phy C	Arg D	Po E	FRACT INTENSITY	VEINLET INTENSITY
140		GRDR		133.05-155.26	GRDR CONT core moderately magnetic; 141.51 fracture with 4mm qtz/calcite (plus hematite) veinlet, minor clay coats margins 141.63-141.72 intense silicification with patches up to 1cm of milky qtz (no sx) 146.62-146.86 qtz str zone with 6 veinlets/ stringers at 15 and 45° TCA with 10% diss py in blebs up to 4mm, 7% sl as brown blebs up to 2mm, 3% diss gn diss as euhedral cubes in qtz/calcite veinlets							
150					148.58-148.59 1cm qtz/calcite stringer, 1% diss py and minor hematite in qtz, intense phyllic envelopes 149.76-149.78 2cm ribbon qtz/calcite stringer with f.g ch l ± sx up to 10%, stringer 50° TCA 153.8 patch of milky qtz 1cm wide with 1% sl, 1% py							
155		RYID		155.26-164.64	RYID light drab green flow banded 45° TCA, distinct 2mm qtz eyes up to 5% trace calcite in the matrix giving core mottled appearance, overall 2% diss py as 2mm subhedral blebs; 157.08 5mm qtz (minor calcite) veinlet 20° TCA with 2% diss py, 1% sl · gn diss in qtz, minor hematite in qtz; 158.40-158.42 2cm qtz/calcite stringer with 15% py, 5% sl, 2% gn and 3% ruby silver oriented 25° TCA; 159.54 fracture 25° TCA with coarse pyritic envelopes up to 1cm (total py % is up to 10% of rock)							
165		GRDR										
		ANID		164.64-167.25	GRDR bleached looking altered granodiorite, moderate phyllic, weak silicification							
		GRDR										
		ANID		167.25-168.03	ANID same as above, 2mm calcite/hematite veinlets							
170				168.03-168.80	GRDR same as above, limonite fractures							
				168.80-169.10	ANID same as above, mottled due to calcite blebs							
		GRDR		169.10-201.32	GRDR same as above, abundant leucoxene saussuritized plagioclase phenocrysts. local fracture coating by f.g sx plus chlorite and minor local up to 1mm of limonitic clay gouge on fractures (average orientation 40° TCA, spacing ~ 12/m 179.46-179.47 ribboned qtz/calcite							
180												

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MINERALIZATION DESCRIPTION	TOTAL SULPHIDE	INTERVAL	WIDTH	ASSAY NUMBER	oz/ton Au	oz/ton Ag	% Cu	% Pb	% Zn	COMPOSITE ASSAYS As
146.62-146.86 GRDR qtz stringer zone with 6 veinlet/stringers up to 12mm, 10% diss py as 4mm blebs, 7% sl as 2mm blebs -dark brown color, 3% diss euhedral galena cubes			0.24	18252	<0.002	4.889	0.0734	1.7840	0.7160	0.0030
158.15-158.45 RY/D with a 2cm qtz str containing 15% py diss in 4mm blebs, 5% black sl, 2% euhedral gn 3% ruby silver with hematite rims *			0.30	18253	0.910 *	99.627	0.0095	0.6140	0.2180	0.0120

PROJECT: OCEAN VEIN

HOLE No. 89555

DEPTH (METRES)	% Core Recy	LITHOLOGY	STRUCTURE	GEOLOGICAL DESCRIPTION	ALTERATION Sil A	Prop B	Phy C	Arg D	Po E	FRACT INTENSITY	VEINLET INTENSITY
180		GRDR		169.10-201.32 GRDR CONT bleached core weak-moderate phyllic alteration with hematite blebs btwn 180.21-182.36m up to 6mm diss. 183.91-183.99 8cm AN/D same as above 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 193.57-193.58 qtz calcite stringer with 1% f.g py diss along selvages, 194.52-194.53 clear qtz veinlet with local diss hematite, 194.89-194.93 intense silicification with two veinlets ±5° TCA of f.g. sx ± 1% dissp 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 199.32-199.33 qtz veinlet 35° TCA with 15% py						
190											
195											
200		AN/D GRDR AN/D GRDR		201.32-201.58 AN/D same as above, 2% diss py, minor calcite HW contact sheared and gradational 201.58-202.56 GRDR fresher looking granodiorite with distinct K spars, 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 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						
205											
210		GRDR AN/D GRDR		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 208.29-208.36 215.22-215.59 AN/D same as above 10% diss calcite blebs 215.59-225.89 GRDR moderate-intense prop, patchy po alt'n 215.59-215.85, 217.40-217.59 aplite 219.02-219.11 moderately silicified with f.g chlorite ± sx up to 2%, 1% Fe diss						
215											
220											
225											

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MINERALIZATION DESCRIPTION	TOTAL SULPHIDE	INTERVAL	WIDTH	ASSAY NUMBER	oz/ton Au	oz/ton Ag	% Cu	% Pb	% Zn	COMPOSITE ASSAYS As

DEPTH (METRES)	% Core Recy	LITHOLOGY	STRUCTURE	GEOLOGICAL DESCRIPTION	ALTERATION Sil A	Prop B	Phy C	Arg D	Po E	FRACT INTENSITY	VEINLET INTENSITY
220		GRDR		215.59-225.89 GRDR cont'd minor leucoxene 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 sheeted calcite/qtz veinlets up to 3mm with 1% diss py, 50°TCA							
225		AN/D		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		AN/D GRDR AN/D		229.56-229.91 GRDR bleached limonitic with rare py veinlets 229.91-231.48 AN/D same as above with numerous hairline calcite veinlets with associated 1% py, trace hematite 231.48-232.00 GRDR same as above with patchy Po alteration 232.00-232.94 AN/D same as above with 2% euhedral py btwn 232.79-232.94, FW 60°TCA hematite contact							
235		GRDR		232.94-241.85 GRDR same as above grading back into fresh granodiorite at ≈232.56m, patchy Po alteration near HW of interval 238.85-238.87 qtz calcite str with 2% clay gouge, 1% py 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							
240		AN/D GRDR		241.85-242.12 AN/D same as above with 3 hairline calcite veinlets and blebs up to 6mm throughout 242.12-256.11 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, KSpar no distinct now							
245		GRDR									
250		OCEAN VEIN FRAGMENTS UP TO 20% → GRDR		251.64-251.85 zone with 20% VN±SX fragments fragments contains 20% py, 30% sl, 5% qn in intensely silicified and argillic altered grdr with f.g sx on fractures, interval 252.49-252.84 is the same as 251.64-251.85 3% py diss throughout, 254.70-255.20 GRDR sheared with convoluted chlorite ±fg sx veinlets btwn 254.92-255.03 shearing 50°TCA; 256.00 256.03 Gouge abundant f.g sx veinlets							
		OCEAN VEIN VNSX GRDR OCEAN VEIN VNSX GRDR		256.11-256.21 VNSX (Ocean Vein) brecciated with 60%							

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MINERALIZATION DESCRIPTION	TOTAL SULPHIDE	INTERVAL	WIDTH	ASSAY NUMBER	oz/ton Au	oz/ton Ag	% Cu	% Pb	% Zn	COMPOSITE % ASSAYS 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% disseminated py as well as abundant fractures of F.g chl/sx ~60° TCA			0.64	18223	0.0013	0.32	0.0043	0.0506	0.0463	0.2630
252.19 - 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	0.0016	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° TCA			0.28	18227	0.0010	0.04	0.0083	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	0.0199	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 1 cm			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
256.31 - 256.68 VNSX (OCEAN VEIN) brecciated with 70% qtz fragments, 30% chlorite ± SX 15% py 10% sl 5% gn trace arsenopyrite, FW contact 70° TCA			0.37	18231	0.010	7.26	0.0139	0.5768	1.5710	0.3340
256.68 - 257.02 RHBX intense phyllic and silicification with f.g chl ± SX			0.34	18232	0.0016	0.06	0.0022	0.0145	0.0209	0.1291

OCEAN VEIN INTERSECTION WITH GRDR2 — 0.008, 5.63 / 0.4677

DEPTH (METRES)	% Core Recy	LITHOLOGY	STRUCTURE	GEOLOGICAL DESCRIPTION	ALTERATION Sil A	Prop B	Phy C	Arg D	Po E	FRACT INTENSITY	VEINLET INTENSITY
260		GRDR		256.11-256.21 VNSX cont qtz fragments 40% chlorite plus f.g. SX, 15% py, 15% sl, 5% qn							
				256.21-256.31 GRDR same as above with 2% clay gouge coating fracture surfaces							
				256.31-256.68 VNSX (Ocean Vein) 70% qtz 30% chlorite plus f.g sx; qtz fragments subangular and up to 1cm; 15% py 10% sl 5% qn trace arsenp, FW contact 70°TCA							
				256.68-257.02 RHBX light drab green brecciated rhyolite with f.g. sx + chl as a matrix to bx upto 5%							
265		GRDR		257.02-267.70 GRDR sheared with grey chl ± sx veinlets which are sheared at 75°TCA							
				257.15-267.70 intense silicification with abundant f.g. sx + chlorite veinlets at random orientations, 258.96-258.99 2" clay gouge							
				259.15-260.5 brecciated with 10% subangular qtz fragments, 3% diss py							
		VNSX minor		minor leucoxen btwn 261.05 - 262.84							
		VNSX+		262.39-262.60 1cm qtz/calcite veinlet, chl ± f.g sx veinlets oriented 60° TCA							
		LOST VNSX		py content increases from 3% to 5% disseminated at ~263.44m, blocky core							
270		GRDR		267.70-268.20 VNSX (OCEAN VEIN) with 30% clay gouge, vein is 60% qtz fragments, 40% chl + f.g sx 15% py, 10% sl, 5% qn							
				268.20-268.44 GOUGE green-grey clay gouge with 10% sheared GRDR fragments + f.g sx (5%							
				268.44-269.44 VNSX (OCEAN VEIN) with 70% qtz fragments, 30% chlorite plus f.g sx 15% py 10% sl, 5% qn, rare arsenopyrite							
		RYID									
		LOST									
275		RYID		269.44-269.74 LOST 0.30 m core missing							
		LOST		269.74-269.90 VNSX (Ocean Vein) same as above, badly ground core, 5% GRDR fragments at end of interval (down hole)							
		RYID									
		GRDR		269.90-274.27 GRDR intense to moderate silicification with phyllic alteration, py content, abundance of chl ± f.g sx veinlets decreasing gradationally down hole							
				274.27-276.85 RYID and green [illegible] silicified [illegible] 2% [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 grey 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 25896-25899m			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	0.0199	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	0.30	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% gn ≤ 1% arsenopyrite			0.50	18246	0.0392	1.17	0.0462	0.1546	0.3199	1.0610

OCEAN VEIN INTERSECTIONS WITH GRDR 0.0042, 0.7297 / 14.33m TT

(1.54 m) 0.49

PAGE 17 OF 18 | PROJECT: OCEAN VEIN | HOLE No. 89555

DEPTH (METRES)	% Core Recy	LITHOLOGY	STRUCTURE	GEOLOGICAL DESCRIPTION	ALTERATION Sil A	Prop B	Phy C	Arg D	Po E	FRACT INTENSITY	VEINLET INTENSITY
280		GRDR		274.58-275.08 LOST 0.50m core missing							
				275.08-275.51 RYID same as above intensely silicified with 1% diss f.g. py, shattered core							
				275.51-276.26 LOST 0.75m core missing							
	E.O.H. 283.15			276.26-276.85 RYID same as above, EW 45°TCA							
285				276.85-283.15 GRDR fresh granodiorite, weakly magnetic with 3% diss py, 1% leucoxene and local hematite coating fractures							
				280.26-280.30 breccia zone with chlorite plus f.g sx as a matrix to silicified GRDR fragments up to 2cm (90% of rock)							
290				sulfides: 5% py as euhedral 1mm cubes 2% f.g gn plus f.g grey chlorite Sl? up to 3%							
				E.O.H. 283.15m							

PAGE 18 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	
268.20 - 268.44 GOUGE with 10% sheared GRDR, grey colored containing F.g chl ± sx			0.24	18247	0.0066	0.22	0.0158	0.0750	0.1648	0.3850	OCEAN VEIN PLUS GRDR
268.44 - 269.44 VNSX (OCEAN VEIN) bx with 70% qtz, 30% chlorite ±sx 15% py 10% sl 5% gn			1.00	18248	0.0216	2.60	0.0753	0.2414	0.3499	0.8160	OCEAN VEIN PROPER
269.74 - 269.90 VNSX (OCEAN VEIN) badly ground core with 95% VNSX fragments the same as #18248, 5% grdr			0.16	18249	0.0075	4.09	0.0416	0.1973	1.2590	0.3390	
269.90 - 270.70 GRDR FW to Ocean Vein with intense silicification and phyllic alteration, abundant chl ± f.g sx veinlets, 3% diss py			0.80	18250	0.0013	0.02	0.0040	0.0105	0.0173	0.0050	TT 0.0234, 2.0485/1.54m
280.13 - 280.30 GRDR with a sx rich bx zone btwn 280.26 - 280.30 where			0.20	18251	0.0013	0.02	0.0032	0.0280	0.0280	0.0210	

PAGE	OF	PROJECT: OCEAN VEIN	HOLE No. 89555

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

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 GRDR with intense phyllic and intense silicification alteration plus numerous chlorite ± fg. 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 – 269.74 269.74 - 269.90. The vein is composed of ~70% qtz fragments in 30% dark grey 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 GRDR 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

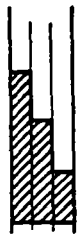
MOUNT SKUKUM GOLD MINING CORP.

MINERALS SECTION

DRILL LOG

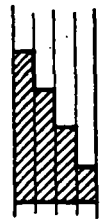
PROJECT OCEAN VEIN	**GROUND ELEV.** 1153.32
HOLE No. DDH 89-560	**BEARING** Az = 178.77°
LOCATION NORTHING 72794.84 / EASTING 80624.53	**DIP** -59.85°
	TOTAL LENGTH 121.31 m (398')
LOGGED BY K. Boychuk	**HORIZONTAL PROJECT** 64.4835 m
DATE Aug 16/89	**VERTICAL PROJECT** -102.70 m
CONTRACTOR Advanced Drilling	
CORE SIZE BQ	
DATE STARTED Aug 16/89	
DATE COMPLETED Aug 21/89	
DIP TESTS 206' (62.79m) = 58° / 396' (121.31m) = 55.5°	

ALTERATION SCALE



absent
slight
moderate
intense

TOTAL SULPHIDE SCALE



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

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 64.4835
TOTAL VERT -102.7

LENGTH	AZIMUTH	DIP	HORZ	ELEV	DIST FROM BL		SECTION		SEC OFFSET		DESCRIPTION
0.00	178.77	-59.85	0.00	1153.32	221.44	W	14.0	E	3.97	W	COLLAR
31.40	178.77	-58.00	15.77	1126.17	205.58	W	14.0	E	3.63	W	DIP CHANGE
33.99	178.77	-58.00	17.14	1123.97	204.30	W	14.0	E	3.60	W	HW->GOUGE
35.47	178.77	-58.00	17.93	1122.72	203.53	W	14.0	E	3.59	W	FW->GOUGE
43.60	178.77	-58.00	22.24	1115.82	199.21	W	14.0	E	3.49	W	HW->EVENING VEIN
43.70	178.77	-58.00	22.29	1115.74	199.16	W	14.0	E	3.49	W	FW->EVENING VEIN
93.55	178.77	-55.50	47.91	1074.77	173.54	W	14.0	E	2.94	W	DIP CHANGE
121.31	178.77	-55.50	64.48	1050.62	156.97	W	14.0	E	2.69	W	END OF HOLE

PAGE 1 OF 11 | PROJECT: OCEAN VEIN | HOLE No. 89-560

DEPTH (M)	% Core Recy	LITHOLOGY	STRUCTURE		GEOLOGICAL DESCRIPTION	ALTERATION Sil A	Prop B	Phy C	Arg D	Po E	FRACT INTENSITY	VEINLET INTENSITY
25				0.00 - 24.38 m	Casing (overburden)							
		RY/D		24.38 - 25.91 m	Overburden to bedrock?							
				25.91 - 28.14	RY/D light green rhyolite dyke, pyrolusite forming in fractures in dendritic patterns, up to 2mm wide phenocrysts of qtz with surrounding milky-white halos, up to 1% diss. pyrite							
		LOST		28.14 - 28.81	LOST core (ground) 0.57m							
		RY/D		28.81 - 29.20	RY/D, same as above							
		LOST		29.20 - 30.10	LOST core 0.90m (ground)							
30		RY/D		30.10 - 32.27	RY/D, same as above except lack of pyrolusite in fractures,							
				32.27 - 32.31	GOUGE, medium grey gouge, contains GRDR frags up to 14mm wide.							
	GOUGE	GRDR		32.31 - 33.20	GRDR local limonite stained granodiorite, argillic alteration throughout, moderately fractured, local moderate silicification with qtz blebs 25mm wide.							
	RHYL	LOST										
		GOUGE		33.20 - 33.99	RHYL dark grey fine-grained rhyolite breccia, contains 10% phenocrysts up to 4mm wide, some argillic alteration, moderately fractured.							
35		RY/D		33.38 - 33.89	LOST core 0.51m							
				33.99 - 35.46	GOUGE, green-grey gouge, 10% rhyl frags.							
				35.96 - 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.							
					35.38 - 35.76 rhyolite with intense zones of limonite staining and pyrolusite forming in fractures, bands up to 11cm wide.							
40		GRDR			35.89 - 35.98 clay alteration around rhyolite, large chunks of rhyolite up to 4cm.							
				39.94 - 43.60	GRDR coarse-grained granodiorite contains accordant sericite 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 chloritic alteration.							
	VNGC	GRDR										
45												

PAGE 2 OF 11 | PROJECT: OCEAN VEIN | HOLE No. 89-560

MINERALIZATION DESCRIPTION	TOTAL SULPHIDE	INTERVAL	WIDTH	ASSAY NUMBER	% Au	% Ag	% Cu	Pb	Zn	COMPOSITE ASSAYS As
31.43 - 32.12 RVID rhyolite dyke containing up to 4% disc sulfides (3% pyrite 1% galena)			0.69	18362	0.0039	0.77	0.0033	0.0384	0.0676	0.0040
33.99 - 34.99 GOUGE fault gouge, up to 10% rhyolite frags			1.00	18359	0.0020	0.03	0.0017	0.0017	0.0057	0.0040
34.99 - 35.46 GOUGE same as above			0.47	18360	0.0021	0.09	0.0028	0.0073	0.0132	0.0060

DEPTH (METRES)	% Core Recy	LITHOLOGY	STRUCTURE	GEOLOGICAL DESCRIPTION	ALTERATION Sil A	Prop B	Phy C	Arg D	Po E	FRACT INTENSITY	VEIN LET INTENSITY
45				41.67 - 43.60 GRDR same as above, pink - light red plag matrix, tan phenocrysts of altered biotite(?) up to 5mm, few qtz veinlets up to 3mm wide, <1% diss pyrite							
				43.60 - 43.70 VNQC, qtz/calcite vein 10cm wide, 5% sulfides, diss. pyrite, chalco, sphalerite, minor galena. EVENING VEIN?							
				43.70 - 59.76 GRDR, same as above.							
				43.70 - 46.44 GRDR, same as 41.67-43.60m							
				46.44 - 51.17 GRDR, 25% chloritized biotite 30% sericite, 30% plag + K-spar, 20% qtz, matrix more pronounced than in 43.70 - 46.44 interval, local qtz veinlets up to 13mm wide, up to 1% diss. pyrite.							
50		GRDR		51.17 - 51.88 intense limonite staining along fracture planes in GRDR, staining penetrates most of the interval, same GRDR as above.							
				51.88 - 59.76 same GRDR as 46.44 - 51.17m							
				59.76 - 61.20 AN/D dark green, fine-grained andesite dyke, up to 5% of fine-grained phenocrysts of plag, local qtz veinlets of qtz up to 4mm wide.							
60		AN/D		61.20 - 69.49 GRDR pink-green granodiorite, phenocrysts of matrix (30%), sericite (30%), plag (30%), and qtz (10%), limonite staining on fractures, local qtz vein up to 4mm wide, up to 1% diss. pyrite, few fractures throughout interval, quite siliceous.							
				66.35 - 67.06 limonite staining GRDR, moderately fractured from 66.89 - 67.06, some clay alteration along severely fractured pieces.							
65		GRDR		69.49 - 71.79 RY/D fine-grained, light creamy-green rhyolite dyke, very siliceous, flow banding 53° TCA, ~~qtz flow bands up to 2mm thick~~, up to 2% diss. pyrite, limonite staining and pyrolusite growths along fractures.							
				71.79 - 72.23 LOST, ground core. (0.44m)							
		RY/D		72.23 - 73.12 RY/D same as above contains [illegible] limonite staining							
75											

PAGE 4 OF 11	PROJECT: OCEAN VEIN	HOLE No. 89-560

MINERALIZATION DESCRIPTION	TOTAL SULPHIDE	INTERVAL	WIDTH	ASSAY NUMBER	% Au	% Ag	% Cu	Pb	Zn	COMPOSITE ASSAYS As
43.60 - 43.70 VNBC qtz/calcite vein, 5% diss. pyrite + chalcopyrite			0.10	18361	0.066	6.56	0.0163	0.9390	1.1640	0.0120

DEPTH (METRES)	% Core Recy	LITHOLOGY	STRUCTURE	GEOLOGICAL DESCRIPTION	ALTERATION Sil A	Prop B	Phy C	Arg D	Po E	FRACT INTENSITY	VEINLET INTENSITY
70		RY/D		to 6mm long.							
				73.12 - 79.52 GRDR same as 61.20 - 69.49							
				73.65 - 73.88 limonite staining throughout core, also evident along fractures.							
		LOST		74.12 - 74.35 intense limonite staining, same as above							
		RY/D		74.82 - 75.33 same as above							
				75.33 - 75.51 pink - red fine-grained aplite dyke with intrusive b/e/c of GRDR, 2% diss. pyrite, limonite staining along fracture surfaces, very siliceous.							
75		GRDR		79.52 - 79.71 LOST ground core, 0.19m							
				79.71 - 80.43 GRDR, same as above, small 2mm qtz veinlet at contact with andesite dyke, up to 1% diss. pyrite along vein contact, moderate potassic alteration.							
				80.43 - 81.08 AN/D dark green, fine-grained andesite dyke, contains up to 1% plag phenocrysts, local qtz veinlets less than 1mm thick, local intense potassic alteration, up to 1% diss.							
		LOST		pyrite, limonite staining on fracture surfaces.							
80		GRDR									
		AN/D		81.08 - 88.27 GRDR coarse-grained granodiorite, 30% mafics, 30% sericite, 30% plag + Kspar, 10% qtz, local patches of biotite included with chlorite, moderate potassic alteration, quite siliceous, up to 1% diss. pyrite, local qtz veinlets up to 1mm thick, limonite on frac. surfaces							
				83.15 - 83.59 decrease in degree of propylitic alteration, up to 3% diss. pyrite.							
85		GRDR		84.12 - 84.26 few chlorite phenocrysts, 40% sericite as bright green phenocrysts, very phyllically altered.							
				84.56 - 85.13 extreme phyllic and propylitic alteration, phenocrysts of chlorite up to 15mm wide, up to 2% diss. pyrite, sericite altering to limonite towards end of interval.							
		LOST		85.13 - 85.70 same as above except							

PAGE 6 OF 11	PROJECT: CLEAN VEIN	HOLE No. 89-360

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

 PROJECT: OCEAN VEIN HOLE No. 89-560

DEPTH (METRES)	% Core Recy	LITHOLOGY	STRUCTURE		GEOLOGICAL DESCRIPTION
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 qtz bleb, 1% diss. pyrite.
				88.27 - 90.10	LOST core, mislatch 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.
					94.08 - 94.15 conc. pyrite along fractures, up to 4% diss. throughout interval, qtz veinlet up to 2mm wide.
		GRDR		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.
100					102.13 - 102.15 VNQC qtz/calcite vein, 2cm wide, very siliceous, 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.
		VNQC		102.15 - 113.87	GRDR same as above.
					103.54 - 104.92 pink-brown highly potassic aplite dyke, very silicious, ghost texture of GRDR, local qtz veinlets up to 2mm wide, local qtz 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 aplite dyke 19cm wide, ghost textures of GRDR, two qtz 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 sericitic alterations 2.5 cm around veinlet.
					1[illegible].55 - 106.55 white [illegible]

ALTERATION						
Sil A	Prop B	Phy C	Arg D	Po E	FRACT INTENSITY	VEINLET INTENSITY

PAGE 8 OF 11	PROJECT: OCEAN VEIN	HOLE No. 89-560

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

DEPTH (METRES)	% Core Recy	LITHOLOGY	STRUCTURE		GEOLOGICAL DESCRIPTION	ALTERATION Sil A	Prop B	Ply C	Arg D	Py E	FRACT INTENSITY	VEINLET INTENSITY
110		GRDR		102.15 - 113.87	GRDR cont. up to 2cm wide in HW, no core. 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.							
		AN/D										
115		GRDR										
		AN/D										
		GRDR			112.60 - 112.74 high potassic alteration, plag approx. 60%, sericite 15%, matrix 15%, qtz 10%, sericite phenocrysts up to 3mm wide, qtz blebs up to 15mm wide. 112.74 - 112.82 moderate phyllic / potassic alteration, up to 1% diss. pyrite, apple-green sericite phenocrysts up to 6mm wide.							
120					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.							
		E.O.H.		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 - 116.56 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 chlorite alterations from dark green to rust colour.							
				121.12 - 121.31	LOST MISSING CORE 0.19 m.							

PAGE 10 OF 11 | PROJECT: OCEAN VIEW | HOLE No. 89-360

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

PAGE 11 OF 11 | PROJECT: OCEAN VEIN | HOLE No. 89-560

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

Hole Summary:

DDH 89-560 was drilled to intersect the OCEAN VEIN from the projected HLEM anomaly and to continue the fence 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 GRDR 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°
	TOTAL LENGTH 248.72 m (816')
LOGGED BY K. Boychuk	**HORIZONTAL PROJECT** 146.6085m
DATE Aug 22/89	**VERTICAL PROJECT** -200.5784
CONTRACTOR Advanced Drilling	**ALTERATION SCALE** absent slight moderate intense
CORE SIZE BQ	
DATE STARTED Aug 22/89	**TOTAL SULPHIDE SCALE** traces only < 1% 1% – 3% 3% – 10% > 10%
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.	**LEGEND**

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DDH No..... 89-560A
NORTHING...    72794.290
EASTING....    80624.480
ELEVATION..  1153.62
BASELINE... OCEAN000
TOTAL HORZ   146.6085
TOTAL VERT  -200.5784
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------- LONGITUDINAL PLOT ----- ---------

------- PLAN PLOT ------ ----------- -- SECTION PLOT --

LENGTH	AZIMUTH	DIP	HORZ	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	COLLAR
30.48	179.56	-54.50	15.97	1127.66	204.92	N	14.0	E	3.99	W	DIP CHANGE
44.42	179.56	-54.50	24.07	1116.31	196.82	N	14.0	E	3.94	W	HW- EVENING VEIN
44.50	179.56	-54.50	24.11	1116.25	196.78	N	14.0	E	3.94	W	FW- EVENING VEIN
91.44	179.56	-55.50	51.27	1078.03	169.62	N	14.0	E	[illegible]	W	DIP CHANGE
152.40	179.56	-50.00	85.20	1027.79	[illegible]	N	14.0	E	[illegible]	W	DIP CHANGE
[illegible]	179.56	-52.50	125.08	981.39	95.81	N	14.0	E	[illegible]	W	DIP CHANGE
[illegible]	179.56	[illegible]	[illegible]	[illegible]	[illegible]	N	14.0	E	[illegible]	W	HW- OCEAN VEIN
[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	N	[illegible]	E	[illegible]	W	FW- OCEAN VEIN

PAGE 1 OF 26 | PROJECT: OCEAN VEIN | HOLE No. 89-560A

DEPTH (METRES)	% Core Recy	LITHOLOGY	STRUCTURE	GEOLOGICAL DESCRIPTION	ALTERATION A Sil	B Prop	C Phy	D Arg	E Po	FRACT INTENSITY	VEINLET INTENSITY
28				0 - 28.96 Casing through overburden							
		GRDR		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.							
30		RY/D		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 0.5mm; pyrolusite staining throughout, limonite staining on fractures and fracture surfaces, local phyllic alterations.							
32		GRDR		GRDR ~~same as above with moderate phyllic alteration, weakly fractured.~~							
		LOST		31.60 - 32.20 same as above except increased fracture intensity (moderate) and only up to 2% diss. pyrite and galena; weak argillic alteration.							
				32.20 - 32.32 GRDR up to 25% mafics 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							
		GOUGE		32.98 - 35.00 GOUGE coarse grained, grey fault gouge; semi-consolidated granodiorite, bands of chlorite altered biotite throughout; limonite staining through first 0.15 m of interval.							
				34.75 - 35.00 fine-grained, med. grey fault gouge, high argillic alteration, limonite staining at end of interval.							
		RY/D		35.00 - 38.58 RY/D same as above; only up to 1% diss pyrite.							
36				35.00 - 35.92 moderate argillic alteration; limonite staining throughout, [illegible] alteration.							

 PROJECT: OCEAN VEIN HOLE No. 89-53DA

MINERALIZATION DESCRIPTION	TOTAL SULPHIDE	INTERVAL	WIDTH	ASSAY NUMBER	% Au	% Ag	% Cu	Pb	Zn	COMPOSITE ASSAYS As
30.32 - 31.05 RY/D with up to 2% diss. pyrite and galena.			0.73	18363	0.027	0.13	0.0102	0.0608	0.0358	<0.001
31.05 - 31.59 RY/D diss sulfides up to 8%, 4% pyrite, 4% galena			0.54	18364	0.031	34.56	0.0580	0.5830	0.6730	0.0320
31.59 - 32.20 RY/D with 2% diss. pyrite & galena.			0.61	18375	0.0014	0.48	0.0016	0.0519	0.0288	0.0160
32.95 - 33.75 GOUGE semi-consolidated greenish-grey fault gouge			0.77	18365	0.005	0.11	0.0007	0.0009	0.0079	0.009
33.75 - 34.75 GOUGE, same as above			1.00	18366	0.0018	0.08	0.0006	0.0067	0.0040	0.0116
34.75 - 35.00 GOUGE fine grained fault gouge, intense argillic alteration.			0.25	18367	0.0177	0.02	0.0012	0.0144	0.0370	0.0692

DEPTH (METRES)	% Core Recy	LITHOLOGY	STRUCTURE	GEOLOGICAL DESCRIPTION	ALTERATION Sil A	Prop B	Phy C	Arg D	Pb E	FRACT INTENSITY	VEINLET INTENSITY
36		RY/D		35.00 - 38.58 RY/D cont. 35.92 - 38.32 local chlorite alteration; local pyrolusite staining; most of interval is fresh rhyolite; slight flow banded appearance. 38.32 - 38.58 disappearance of rusty-stained K-spar phenocrysts, moderate phyllic alteration.							
NQ 39.62 BQ 40				38.58 - 44.42 GRDR course-grained granodiorite, intense phyllic alteration; slight-moderate propyllitic alteration; local veinlets of chlorite-altered biotite up to 17 mm wide; local milky-white qtz veinlet 5mm wide; up to 1% diss. pyrite; local limonite staining on fracture surfaces; leucoxene phenocrysts evident.							
		GRDR		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 argillic alteration along HW contact.							
	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; phyllic alteration decreases / propyllitic alteration increases along interval; limonite staining along fracture planes and locally along core axis; leucoxene phenocrysts also evident.							
45											
	GOUGE	GRDR		49.14 - 49.18 GOUGE fine to moderate grain-size GRDR gouge; rust-colour; moderate to intense argillic alteration; some GRDR fragments.							
50				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 pyrite as well as small veinlets up to 3mm wide; phyllic alteration decreases to moderate; local potassic alteration; few fractures. 53.15 - 53.30 hematitic alteration and severe propylitic alteration, diss. pyrite up to 3%; pink-red colour; small							
55											

PAGE 4 OF 26 | PROJECT: OCEAN VEIN | HOLE No. 89-58DA

MINERALIZATION DESCRIPTION	TOTAL SULPHIDE	INTERVAL	WIDTH	ASSAY NUMBER	% Au	% Ag	% Cu	Pb	Zn	COMPOSITE ASSAYS As
38.91 - 39.27 GRDR chlorite - altered veinlets with sulphides. (pyrite and fine-grained sulfides).			0.36	18376	0.0005	0.07	0.0008	0.0081	0.0163	0.0150
44.38 - 44.53 VNQC qtz/calcite "Evening Vein"; up to 3% diss. pyrite, most along contact. "Evening Vein"			0.15	18368	0.063	0.08	0.0011	0.0144	0.0240	0.0590

DEPTH (METRES)	% Core Recy	LITHOLOGY	STRUCTURE	GEOLOGICAL DESCRIPTION	ALTERATION Sil A	Prop B	Phyl C	Arg D	Pot. E	FRACT INTENSITY	VEINLET INTENSITY
55		GRDR		57.59 – 59.04 AN/D dark-green, fine grained andesite dyke; contains 2% plag phenocrysts up to 1mm wide; local calcite veinlets up to 1mm wide; limonite staining on fracture surfaces.							
		AN/D		59.04 – 66.40 GRDR course grained GRDR							
				59.04 – 62.91 intense propylitically altered granodiorite as above, diss. biotite flecks make up 5% of mafics; local qtz. stringers up to 3mm wide; K-spar, plag, qtz, sericite, and lesser chlorite phenocrysts all prominent.							
60		GRDR		62.91 – 66.40 intense phyllic alteration, moderate to slight propylitic alteration along interval; sericite prominent mineral at 30%; local zones of severely altered apple-green sericite, diss. pyrite in these zones up to 3%; increased degree of limonite staining compared to upper interval; local silicified qtz zone; few hematite veinlets (up to 2mm wide).							
65		RY/D		66.40 – 67.92 RY/D creamy-green, fine-grained, flow banded rhyolite dyke; majority of flow bands at 43° TCA; up to 2% diss. pyrite cons. along fractures; slight to moderate phyllic alteration; pyrolusite and limonite forming along some cracks and fracture surfaces;							
		GRDR		67.92 – 76.50 GRDR course-grained granodiorite, 30% mafics (25% chlorite, 5% biotite), 30% sericite, 20% K-spar, 20% plag + qtz; intense propylitic / moderate phyllic alteration; siliceous, few fractures; local qtz veinlets up to 4mm wide; local aplite dykes up to 6.5cm wide.							
		RY/D		67.92 – 68.53, 68.81 – 69.57 intense phyllic alteration; light creamy-green and bright apple-green phenocrysts of sericite; slight propylitic alteration.							
70		GRDR		68.53 – 68.81 RY/D light-green fine-grained rhyolite dyke; intense phyllic alteration; brecciated GRDR							
75				[illegible]							

PAGE 6 OF 25 | PROJECT: OCEAN VEIN | HOLE No. 89-560A

MINERALIZATION DESCRIPTION	TOTAL SULPHIDE	INTERVAL	WIDTH	ASSAY NUMBER	% Au	% Ag	% Cu	Pb	Zn	COMPOSITE ASSAYS As
64.50 - 64.76 phyllically altered GRDR, up to 3% diss. pyrite, very siliceous.			0.26	18377	0.0006	0.09	0.0009	0.0037	0.0026	0.0040

DEPTH (METRES)	% Core Recy	LITHOLOGY	STRUCTURE	GEOLOGICAL DESCRIPTION	ALTERATION Sil A	Prop B	Phyl C	Arg D	Pot. E	FRACT INTENSITY	VEINLET INTENSITY
		GRDR		68.53-68.81 RY/D cont. along GRDR frag. and along HW contact; up to 3% diss. pyrite throughout.							
		AN/D		76.50-77.24 AN/D dark-green, fine-grained andesite dyke, contains 1% plag phenocrysts; local calcite veinlets up to 1mm wide, hematite in some veinlets; light green / dark green breccia-like fragments up to 4cm long around contact zone with GRDR.							
80		GRDR		77.24-108.82 GRDR coarse-grained granodiorite; fresh looking rock with 5% of matrix as biotite; 25% matrix (chlorite / biotite); 25% sericite, 20% Ksper, 25% qtz and plag, 5% leucoxene; quite siliceous; local qtz/calcite veinlets up to 3cm wide; limonite staining on fracture surfaces; trace sulfides. BULL SHIT →							
				80.38-81.79 more intensely phyllically altered than above interval; sericite phenos more hematitically stained to give olive-green colour, 30-35% sericite overall.							
85				85.19-85.28 intensely silicified zone of milky-white qtz bleb; 3% diss. pyrite and 1% sphalerite.							
				87.63-88.33 moderate to high potassic alteration zone; silicified qtz blebs up to 1cm wide; 2% pyrite concentrated along qtz; hematite veinlets diss. along fractures; chlorite veinlets also present							
				89.89-90.12 highly potassic altered zone with large 12cm qtz bleb; up to 1% diss. hematite and <1% diss. pyrite throughout qtz bleb.							
90				90.32-90.98 high phyllic / moderate potassic alteration; 13cm zone of several qtz/calcite veinlets up to 25mm wide; up to 6% diss. pyrite throughout veinlet zone; pyrite conc. along veinlets and into host GRDR rock as well; up to 2% diss. pyrite throughout entire interval; local qtz ± chlorite veins up to 2cm wide.							
95											

 PROJECT: OCEAN VEIN HOLE No. 89-560A

MINERALIZATION DESCRIPTION	TOTAL SULPHIDE	INTERVAL	WIDTH	ASSAY NUMBER	% Au	% Ag	% Cu	Pb	Zn	COMPOSITE ASSAYS As
85.18 - 85.28 intensely silicified qtz bleb; 3% diss. pyrite, 1% sphalerite			0.10	18369	0.0012	<0.02	0.0086	0.0029	0.0048	0.0200
87.63 - 88.36 potassic alt. zone with qtz. blebs; 2% pyrite ; 1% hematite			0.73	18370	0.0006	<.04	0.0021	0.0045	0.0030	0.070
89.88 - 90.10 strong potassic alteration; large 12cm qtz bleb; up to 1% diss. hematite ; less than 1% diss. pyrite.			0.22	18378	0.0003	0.06	0.0010	0.0012	0.0005	0.0140
90.35 - 90.98 qtz/calcite veinlets in potassically altered zone; 5% diss. pyrite around veinlets; 3% elsewhere throughout interval.			0.63	18371	0.0019	0.06	0.0026	0.0067	0.0045	0.0250

PAGE 9 OF 26 | PROJECT: OCEAN VEIN | HOLE No. 89-560A

DEPTH (METRES)	% Core Recy	LITHOLOGY	STRUCTURE	GEOLOGICAL DESCRIPTION	ALTERATION Sil A	Prop B	Phyl C	Arg D	Pot E	FRACT INTENSITY	VEINLET INTENSITY
95				77.24 - 108.82 GRDR 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 GRDR fragments; has ghost texture of GRDR; contains local qtz veinlets up to 3mm wide with 1% diss. pyrite & hematite conc. along veins and fractures.							
100		GRDR		98.83 - 98.99 propyllically 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% leucocene phenocrysts; local qtz veinlet 9mm wide; intense deformation along AN/D contact with qtz blebs and 1% diss. pyrite.							
		AN/D		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 & 11cm) GRDR frags within dyke.							
110				109.93 - 112.26 GRDR 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.							
		GRDR									
		AN/D		111.66 - 111.72 AN/D inclusion from main dyke; very little alteration around host rock contacts; contains several discontinuous calcite veinlets.							
115		GRDR		112.26 - 112.60 AN/D							

 PROJECT: OCEAN VEIN HOLE No. 89-560 A

MINERALIZATION DESCRIPTION	TOTAL SULPHIDE	INTERVAL	WIDTH	ASSAY NUMBER	% Au	% Ag	% Cu	Pb	Zn	COMPOSITE ASSAYS As
93.63 - 93.84 qtz/calcite veins with up to 2% diss. pyrite through phyllically altered zone and host rock.			0.21	18372	0.021	0.05	0.0015	0.0041	0.0063	0.0440
99.83 - 99.99 sulfide-rich zone, up to 3% diss. pyrite; 3mm calcite veinlet.			0.16	18373	0.0004	<0.02	0.0012	0.0006	0.0047	<0.001
24 - 102.53 intense potassic alteration zone; qtz slabs 3cm wide; 2% diss. pyrite.			0.29	18379	0.0007	0.09	0.0005	0.0013	<0.0001	0.010

DEPTH (METRES)	% Core Recy	LITHOLOGY	STRUCTURE	GEOLOGICAL DESCRIPTION	ALTERATION Sil A	Prop B	Phy C	Arg D	Pot. E	FRACT INTENSITY	VEINLET INTENSITY
115		GRDR		112.26 - 112.44 AN/D cont. large 18mm qtz veinlet near lower contact, no sulfides along or within vein; up to 1% diss. pyrite along dyke contacts.							
		AN/D		112.44 - 117.42 GRDR coarse-grained granodiorite 112.44 - 114.30 intense potassic alteration with ghost-texture of GRDR; local qtz veinlets up to 5mm wide; local patches of sericite ± hematite-stained sericite; fractures partially filled with chlorite; qtz blebs scattered throughout; trace sulfides; local patches of chloride altered biotite.							
120		GRDR		114.30 - 117.42 moderate propylitic / slight phyllic altered GRDR, 20% relics (2% biotite), 20% sericite, 30% K-spar, 30% qtz ± plag; local patches of fine-grained GRDR (phenocrysts of chlorite less than 1/8 mm) up to 7cm wide.							
				117.42 - 117.56 AN/D fine-grained, dark-green andesite dyke with 2% plag. phenocrysts; phenocrysts aligned ~ 65° TCA; calcareous matrix.							
125		AN/D		117.56 - 126.83 GRDR coarse-grained granodiorite 117.56 - 121.59 fresh-looking GRDR, same as 114.30 - 117.42.							
				121.59 - 126.83 moderate to intensely phyllically altered; local qtz veinlets up to 4mm wide; pyrite concentrated along fractures infilled with qtz and chlorite; up to 1% (locally) diss. pyrite throughout interval; local argillic alteration; local segments of fine-grained GRDR.							
130		GRDR		126.83 - 127.24 AN/D dark-green, fine grained andesite dyke; local qtz/calcite veinlets up to 2mm wide; large calcite vein (7mm) at end of dyke (at contact) with 4% diss. pyrite throughout vein and 2cm on either side							
		LOST GRDR		127.24 - 134.11 GRDR coarse-grained granodiorite, overall bleached appearance with slight to moderate							

PAGE 12 OF 25	PROJECT: OCEAN VEIN	HOLE No. 89-560A

MINERALIZATION DESCRIPTION	TOTAL SULPHIDE	INTERVAL	WIDTH	ASSAY NUMBER	% Au	% Ag	% Cu	Pb	Zn	COMPOSITE ASSAYS As
112.44 - 112.59 2cm qtz/calcite vein;			0.15	18380	0.0196	0.13	0.0032	0.0087	0.0126	0.0170
bounding propylitic alteration; up to 15% fine-grained sulfides and chlorite (all pyrite) in large blebs and along fractures.										

DEPTH (METRES)	% Core Recy	LITHOLOGY	STRUCTURE	GEOLOGICAL DESCRIPTION	ALTERATION Sil A	Prop B	Phyl C	Arg D	Ast E	FRACT INTENSITY	VEINLET INTENSITY
136		GRDR		127.24 - 134.11 GRDR cont. biotite flecks throughout; local segments of fine-grained GRDR; local slight potassic alteration; trace sulfides; 128.85 - 129.49, 130.32 - 130.59 intense phyllic / propylitic alteration with bright apple-green to creamy light green phenocrysts of sericite (35%) and chlorite phenocrysts / veinlets (25%); local qtz veinlets up to 1cm wide; up to 1% diss. pyrite							
		AND		134.11 - 134.58 LOST missing core, 0.47m							
139		GRDR		134.11 - 136.80 GRDR, same as above. 136.02 - 136.06 2 qtz/calcite veinlets, each 2mm wide; one veinlet (136.02m) contains pyrite core along veinlet (up to 5% of vein); second veinlet (136.06) contains 60% sulphides (50% pyrite, 10% pyrrhotite and galena); up to 1% diss. pyrite between veinlets in host rock.							
		AND		136.80 - 137.30 AN/D fine-grained, dark green andesite dyke; calcareous matrix; several (less than 1mm wide) calcite and hematite veinlets infilling fractures; hematite staining on some fracture surfaces.							
140		GRDR		137.30 - 149.75 GRDR same as above except contains up to 2% diss. pyrite. 138.58 - 138.60 andesite dyke splay from above. 139.97 - 140.10 several (less than 1mm wide) calcite veinlets; trace sulfides. 140.17 - 140.39 intense phyllic / propylitic alteration; 3 qtz / calcite veinlets up to 10mm wide; 2 smaller veinlets contain up to 3% diss. pyrite; largest veinlet contains up to 5% diss. pyrite, has a 10mm calcite/qtz core and qtz (up to 2mm) along each side. 141.48 - 141.54 7mm wide qtz vein, 40° TCA, contains up to 8% diss. pyrite; intense propylitic / phyllic alteration and foliated texture for 3mm after vein and bounded by narrow qtz veinlet (trace sulfides)							
141											
142											

 PROJECT: OCEAN VEIN HOLE No. 89-580A

MINERALIZATION DESCRIPTION	TOTAL SULPHIDE	INTERVAL	WIDTH	ASSAY NUMBER	% Au	% Ag	% Cu	Pb	Zn	COMPOSITE ASSAYS As
135.90 - 136.12 2 calcite veinlets 2mm wide; (136.02) veinlet contains 5% pyrite; (136.06) veinlet contains 50% pyrite, 7% sphalerite, 3% galena; host rock contains up to 1% pyrite.			0.22	18374	0.0007	0.09	0.0071	0.2141	0.0066	0.006

DEPTH (METRES)	% Core Recy	LITHOLOGY	STRUCTURE	GEOLOGICAL DESCRIPTION	ALTERATION Sil A	Prop B	Phyl C	Arg D	Pot. E	FRACT INTENSITY	VEINLET INTENSITY
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 1cm veinlet. 143.55 - 143.56 1cm wide qtz veinlet containing up to 20% pyrite formed in bands paralleling veinlet; 50° TCA.							
147		GRDR / AN/D		144.14 - 144.16 1.5 cm wide qtz/calcite veinlet; calcite veinlet contained within qtz vein; calcite 0.4cm wide, qtz 1.1 cm wide; 50° TCA; contains 2% diss pyrite. 144.48 - 144.49 fault surface with argillic alteration and silicification on HW/FW contacts; limonite staining along fault; some qtz fragments contained in calcareous gouge.							
	AN/D	GRDR		149.75 - 149.90 AN/D dark-green, fine-grained andesite dyke with 1% mafic 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 apley 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°, 25° TCA; contain 1% diss. pyrite and less than 1% galena; intense sericitic alteration around veinlets. 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; sericite alteration around in host rock. 160.52 - 161.18 up to 5% pyrite - rock GRDR; pervasive propylitic alteration; trace sphalerite; 5mm qtz / 15 mm calcite vein at 160.73 - 160.75; calcite vein has qtz needles throughout;							
157		GRDR									

PAGE 16 OF 26 | PROJECT: OCEAN JEIN | HOLE No. 89-580A

MINERALIZATION DESCRIPTION	TOTAL SULPHIDE	INTERVAL	WIDTH	ASSAY NUMBER	% Au	% Ag	% Cu	Pb	Zn	COMPOSITE ASSAYS As
152-161.18 5% pyrite-rich GBDR; rare sphalerite; 2cm qtz/calcite vein contains 5% pyrite, 1% sphalerite, rare galena conc. along contacts.			0.66	18381	0.0004	0.17	0.0121	0.0168	0.0604	0.0210

DEPTH (METRES)	% Core Recy	LITHOLOGY	STRUCTURE	GEOLOGICAL DESCRIPTION	ALTERATION Sil A	Prop B	Phyl C	Arg D	Art. E	FRACT INTENSITY	VEINLET INTENSITY
162		GRDR		151.24 - 162.93 GRDR continued along vein / host rock contacts; slight argillic alteration along vein contact; vein 45° TCA; no K-spar present.							
		AN/D		162.93 - 163.05 AN/D fine-grained, dark green andesite dyke; up to 1% phenocrysts of plag? matrix; calcareous matrix.							
		GRDR		163.05 - 163.65 GRDR; bleached granodiorite, same as above							
				163.65 - 168.87 AN/D dark green andesite dyke							
164				163.65 - 164.17, 167.96 - 168.87 fine-grained; local calcite stringers less than 1mm wide; at 168.11 qtz/calcite veinlet 5mm wide; contains 50% calcite / 50% qtz; up to 3% diss pyrite; interval also contains GRDR fragment at 168.16 - 168.20.							
		AN/D		168.78 - 168.87 up to 15% diss. pyrite and 3% diss. sphalerite; several calcite veinlets and blebs; sharp contact at 50° TCA with GRDR host rock.							
168				164.17 - 167.96 50% course grained plag, 50% course grained matrix (chlorite?); several qtz/calcite veinlets up to 4mm wide; trace sulphides throughout.							
		GRDR		168.87 - 170.38 GRDR fresh course-grained granodiorite; contains flecks of biotite; slightly more phyllitically altered than above interval; contains local qtz/calcite veinlets up to 3mm wide and up to 2% diss pyrite; contains more K-spar than above intervals.							
170				170.38 - 170.46 AN/D fine-grained splay from above dyke; contains qtz/calcite veinlets 1mm wide; up to 3% diss. pyrite.							
		AN/D									
		GRDR		170.46 - 186.22 GRDR intense propyllitic / chlorite alteration; very few K-spar phenocrysts present; 170.56 - 170.57 14mm wide qtz veinlet; up to 2% diss galena, less than 1% pyrite; 34° TCA; several discontinuous calcite veinlets up to 2 mm wide throughout vein; very siliceous							
172				170.59 2mm wide qtz veinlet; 43° CA; [illegible]							

 PROJECT: OCEAN VEIN HOLE No. 89-580A

MINERALIZATION DESCRIPTION	TOTAL SULPHIDE	INTERVAL	WIDTH	ASSAY NUMBER	% Au	% Ag	% Cu	Pb	Zn	COMPOSITE ASSAYS As
168.78 - 168.91 pyrite rich andesite dyke/ SEDR host rock; 15% diss. pyrite and 3% sphalerite / chlorite.			0.13	18382	0.0278	1.12	0.0762	1.6960	0.8336	0.0340
170.50 - 170.60 qtz veinlet, 14mm wide, contains up to 2% galena and less than 1% pyrite.			0.10	18391	0.0010	0.09	0.0014	0.0213	0.0057	0.027
172.55 - 172.65 1cm wide qtz veinlet; 20%			0.10	18400	0.0023	0.09	0.0023	0.1445	0.0790	0.025

DEPTH (METRES)	% Core Recy	LITHOLOGY	STRUCTURE	GEOLOGICAL DESCRIPTION	ALTERATION Sil A	Prop B	Phy C	Arg D	Pot. E	FRACT INTENSITY	VEINLET INTENSITY
172				170.46 - 186.22 GRDR cont. 1% galena; intense propylitic alteration around veinlet. 174.98 3mm wide qtz veinlet; 37° TCA; contains up to 5% diss. pyrite and 1% sphalerite; up to 1% pyrite and rare sphalerite in host rock around veinlet. 175.12 - 175.18 very fractured qtz/calcite veinlet; 2cm wide; interval contains fine-grained sulfides and chlorite;							
176				90% of sulfides is diss. pyrite, 10% sphalerite; fine-grained material makes up 30% of interval; intense phyllic alteration in host rock. 180.37 9mm wide qtz/calcite veinlet; contains up to 2% diss. pyrite; 40° TCA; intense phyllic alteration envelope around veinlet. 181.66 - 181.72 several quartz veinlets all oriented parallel to one another at 44° TCA; 2 6mm wide clear-white qtz veinlets surround 6mm inner qtz veinlet which contains 30% diss. pyrite, 1% sphalerite and less than 1% galena; a large discontinuous qtz							
180		GRDR		vein 11mm wide lies at 181.71 - 181.72; contains fine and coarse grained diss pyrite (8%) and diss. sphalerite and galena (1%); orientation parallels other veinlets. 181.72 - 181.88 granodiorite host rock contains up to 3% diss. pyrite and less than 1% sphalerite; severe phyllic alteration.							
184				183.56 - 186.22 very bleached, moderate phyllic altered GRDR; little to no matrix; several local qtz veinlets; some staining of sericite. 183.71 - 183.78 qtz vein 7cm wide; contains 2% diss. pyrite, rare sphalerite; slight argillic alteration along contacts; 45° TCA. 184.27 - 184.28 9mm wide qtz veinlet; 45° TCA; contains 4% diss. pyrite, less than 1% galena and sphalerite; slight argillic alteration on FW; host rock [illegible]							
26											

PAGE 20 OF 26	PROJECT: OCEAN VEIN	HOLE No. 89-560 A

MINERALIZATION DESCRIPTION	TOTAL SULPHIDE	INTERVAL	WIDTH	ASSAY NUMBER	% Au	% Ag	% Cu	Pb	Zn	COMPOSITE ASSAYS As
174.16 - 175.23 several qtz veinlets containing pyrite and sphalerite; veinlets up to 3mm wide; some sulphides in fine-grained form.			0.27	18392	0.0029	n.a.	0.0057	0.0431	0.0369	0.0240
181.66 - 181.88 qtz veinlets 6mm wide with 30% diss. pyrite, 1% sphalerite, <1% galena; host rock with 3% diss. pyrite and <1% sphalerite.			0.22	18393	0.0119	0.115	0.0043	0.1588	0.0354	0.0170
183.62 - 183.84 7cm wide qtz vein with 2% diss pyrite, rare sphalerite; host rock contains 1% diss pyrite / sphalerite along fractures.			0.22	18394	0.0006	0.10	0.0052	0.0451	0.0570	0.007
184.24 - 184.34 qtz veinlet 9mm wide, with 10% diss pyrite less than 1% sphalerite/galena				18395	0.0011	0.09	0.0061	0.0395	0.0806	0.012

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

MINERALIZATION DESCRIPTION	TOTAL SULPHIDE	INTERVAL	WIDTH	ASSAY NUMBER	% Au	% Ag	% Cu	Pb	Zn	COMPOSITE ASSAYS As
186.20 - 186.58 andesite dike contains up to 1% fine-grained chlorite ± sulphides along BRDR fragments; also some along fracture in FW			0.38	18484	0.0437	0.15	0.0036	0.0126	0.0276	Tr
197.95 - 198.41 4mm wide qtz veinlet at 8.07; contains 15% large 5mm disc. pyrite patches, 3% sphalerite, and 3% galena; several local patches of pyrite, sphalerite and galena throughout as well as fine-grained chlorite/sulphide patches.			0.46	18396	0.0009	0.08	0.0094	0.2684	0.0963	0.040
198.87 - 199.51 fine-grained pyrite/chlorite throughout; up to 3% disc. pyrite, 1% galena, 1% sphalerite			0.64	18397	0.0011	0.06	0.0099	0.1943	0.2583	0.037

DEPTH (METRES)	% Core Recy	LITHOLOGY	STRUCTURE	GEOLOGICAL DESCRIPTION	ALTERATION Sil A	Prop B	Phyl C	Arg D	Pot. E	FRACT INTENSITY	VEINLET INTENSITY
206		GRDR / LOST		209.52 - 216.77 GRDR cont. gradually decreases with depth in the hole; some argillic alteration along HW near contact with VNSX; chlorite infilling local fractures; up to 1% diss pyrite. 216.74 - 216.77 dark-grey, fine-grained gouge at VNSX/GRDR contact.							
		GRDR		216.77 - 217.49 VNSX brecciated vein with fine-grained sulfide matrix. OCEAN VEIN 216.77 - 216.95 50% qtz frags (up to 2.1cm long), 50% fine grained chlorite ± sulfides; visible sulfides include 80% pyrite, 20% sphalerite, and possible rare arsenopyrite. 216.95 - 217.15 30% qtz frags (up to 1.7cm long), 70% fine-grained chlorite ± sulfides; visible sulfides include 50% pyrite and 50% sphalerite. 217.15 - 217.32 40% qtz frags (up to 2.0cm long), 60% fine-grained chlorite ± sulfides; visible sulfides include 70% sphalerite, 30% pyrite and possible arsenopyrite.							
216		VNSX		217.32 - 217.49 20% qtz frags (up to 1cm long), 80% fine-grained chlorite ± sulfides; visible sulfides include 50% pyrite, 50% sphalerite.							
		GRDR		217.49 - 219.90 GRDR moderately silicified, bleached granodiorite; moderate phyllic / slight propylitic alteration; up to 5% diss. pyrite and less than 1% sphalerite through first 20cm past VNSX/GRDR interaction; rest of interval contains up to 1% pyrite and less than 1% galena.							
221		RY/D		219.90 - 224.00 RY/D light grey-green, fine-grained chert-like rhyolite dyke; moderate phyllic alteration; local fractures infilled with chlorite; less than 1% diss. pyrite; local qtz blebs; some fractures infilled with pyrite; shattered texture; more fractured than host GRDR. has a light							
		GRDR									
226											

 PROJECT: OCEAN VEIN HOLE No. 89-30OA

MINERALIZATION DESCRIPTION	TOTAL SULPHIDE	INTERVAL	WIDTH	ASSAY NUMBER	% Au	% Ag	% Cu	% Pb	% Zn	COMPOSITE ASSAYS As
215.41 - 216.09 BRDR bleached granodiorite; 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 ± sulfides; 80% pyrite, 20% sphalerite, rare arsenopyrite.			0.18	18385	0.017	1.361	0.0989	0.1549	0.2570	0.307
216.95 - 217.15 VNSX 30% qtz, 70% chlorite ± sulphides; 50% pyrite, 50% sphalerite.			0.20	18386	0.0075	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	0.032	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 (local) 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 Tr	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	0.011
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

0.037 oz Au/t, 2.748 oz Ag/t = 0.52m intersection

PROJECT: OCEAN VEIN

HOLE No. 87-30A

DEPTH (METRES)	% Core Recy	LITHOLOGY	STRUCTURE	GEOLOGICAL DESCRIPTION	ALTERATION Sil A	Prop B	Phyl C	Arg D	Pot. E	FRACT INTENSITY	VEINLET INTENSITY
226		GRDR		224.00 - 226.51 GRDR moderate phyllic / slight propylitic altered granodiorite; moderately silicified; continues to have bleached appearance; last 30 cm have intense phyllic alteration; chlorite infilling fractures; up to 1% diss. pyrite, less than 1% local hematite.							
		RY/D		226.51 - 230.02 RY/D same as above except only moderate phyllic alteration (has a white-green colour throughout); moderate fracturing throughout.							
230		AN/D		230.02 - 230.32 AN/D dark-green, fine grained andesite dyke; calcareous matrix; local calcite infilling fractures; contains up to 4% diss. pyrite; slight argillic alteration on fracture surfaces.							
		GRDR		230.32 - 248.72 GRDR coarse-grained, unaltered granodiorite; moderate phyllic / propylitic alteration; local chlorite veinlets; local hematite-stained sericite; local slight potassic alteration; up to 1% diss. pyrite; local biotite flecks; leucocrene present throughout interval.							
235				239.62 - 239.88 slight argillic alteration; calcite veinlet at 239.82; 57° TCA; severe argillic alteration around veinlet; qtz frags up to 14mm wide distributed throughout interval.							
				End of Hole!! Yahoo! Shut 'er down!							
240											
		EOH									
250											

PROJECT: OCEAN VEIN

HOLE No. 89-580A

MINERALIZATION DESCRIPTION	TOTAL SULPHIDE	INTERVAL	WIDTH	ASSAY NUMBER	% Au	% Ag	% Cu	Pb	Zn	COMPOSITE ASSAYS As
239.55 - 239.89 argillically altered GRDR with calcite veinlet and gouge around veinlet; fine-grained chlorite ± pyrite up to 2%.			0.34	18485	0.0015	0.98	0.0034	0.0451	0.0791	0.003

PAGE	OF	PROJECT:	HOLE No. 89-560A

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

HOLE SUMMARY

89-560A was drilled to intersect the Ocean Vein at depth where projected beneath 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 GRDR with AN/D's and RH/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 GRDR 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 it's true thickness is 0.52 m.

MOUNT SKUKUM GOLD MINING CORP.

MINERALS SECTION

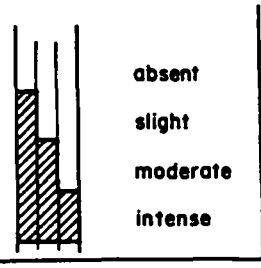
DRILL LOG

PROJECT OCEAN VEIN	**GROUND ELEV.** 1102.06
HOLE No. 89 - 561	**BEARING** 181.23°
LOCATION NORTHING 72803.41 EASTING 80723.91	**DIP** -64.84°
	TOTAL LENGTH 268.68m (881.5')
LOGGED BY J. BLACK	**HORIZONTAL PROJECT** 125, 8078
DATE August 29 /89	**VERTICAL PROJECT** -237.3095
CONTRACTOR ADVANCED DRILLING	
CORE SIZE NQ → BQ	
DATE STARTED August 28 1989	
DATE COMPLETED Sept 4 /89	

DIP TESTS

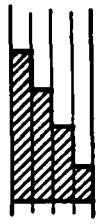
200' (60.96) 63.5° 800 (243.84) 61°
400' (121.92) 61.5° 881.5 (268.68) 60°
600' (182.88) 61°

ALTERATION SCALE



VEINLET INTENSITY

TOTAL SULPHIDE SCALE



CON

0.00	181.23	-64.84	0.00	1102.06	230.01	N	18.0	E	4.89	W	COLLAR
30.48	181.23	-63.50	12.96	1074.47	217.05	N	18.0	E	4.87	W	DIP CHANGE
48.75	181.23	-63.50	16.65	1067.07	213.37	N	18.0	E	4.95	W	FG-EVENING VN?
49.03	181.23	-63.50	16.77	1066.82	213.24	N	18.0	E	4.95	W	FG-EVENING VN?
99.00	181.23	-63.50	39.52	1021.21	190.50	N	18.0	E	5.44	W	FG-EVENING VN?
99.10	181.23	-63.50	39.56	1021.13	190.46	N	18.0	E	5.44	W	FG-EVENING VN?
91.44	181.23	-61.50	40.16	1019.92	189.86	N	18.0	E	5.45	W	DIP CHANGE
152.40	181.23	-61.00	69.25	966.34	160.78	N	18.0	E	6.39	W	DIP CHANGE
213.36	181.23	-61.00	98.80	913.03	131.23	N	18.0	E	6.71	W	DIP CHANGE
225.68	181.23	-61.00	104.77	902.25	125.36	N	18.0	E	6.84	W	FG-GRDR
226.28	181.23	-61.00	105.06	901.73	124.97	N	18.0	E	6.84	W	FG-GRDR
226.38	181.23	-61.00	105.35	901.73	124.97	N	18.0	E	6.84	W	FG-GRDR
226.68	181.23	-61.00	105.26	901.38	124.78	N	18.0	E	6.85	W	FG-GRDR
226.68	181.23	-61.00	105.26	901.38	124.78	N	18.0	E	6.85	W	FG-GRDR
226.92	181.23	-61.00	105.37	901.17	124.66	N	18.0	E	6.85	W	FG-GRDR
226.92	181.23	-61.00	105.37	901.17	124.66	N	18.0	E	6.85	W	FG-OCEAN VNSX
227.26	181.23	-61.00	105.54	900.87	124.50	N	18.0	E	6.85	W	FG-OCEAN VNSX
227.26	181.23	-61.00	105.54	900.87	124.50	N	18.0	E	6.85	W	FG-GRDR
227.58	181.23	-61.00	105.69	900.59	124.34	N	18.0	E	6.86	W	FG-GRDR
249.48	181.23	-61.00	116.31	881.44	113.71	N	18.0	E	7.09	W	FG-GRDR
249.81	181.23	-61.00	116.47	881.15	113.57	N	18.0	E	7.09	W	FG-GRDR
256.26	181.23	-60.00	119.60	875.51	110.44	N	18.0	E	7.16	W	DIP CHANGE
268.68	0.00	0.00	125.81	864.78	104.33	N	18.0	E	7.29	W	END OF HOLE

PAGE 1 OF 14 | PROJECT: OCEAN VEIN | HOLE No. 89561

DEPTH (m)	% Core Recy	LITHOLOGY	STRUCTURE	GEOLOGICAL DESCRIPTION	ALTERATION Sil A	Prop B	Phy C	Arg D	Po E	FRACT INTENSITY	VEINLET INTENSITY
				0 - 10.31 OLB casing							
		GRDR		10.31 - 11.22 GRDR fresh to weak prop altered granodiorite with fragments up to 5cm of dark green ANID and RYID → not bedrock? core is ground							
		RYID									
		LOST		11.22 - 11.45 RYID tan - light green with abundant pyrolusite, limonite altered plagioclase phenocrysts, 3% qtz eyes up to 3mm with cream colored 1mm rims up to 1% diss f.g py throughout							
				11.45 - 13.56 LOST 2.11 m core missing							
		RYID		13.56 - 19.05 RYID same as above ground core btwn 14.78 - 14.83 where fragments are shell shaped (ground twice)							
				18.23 - 19.05 chyolite with up to 2% diss galena as subhedral cubes ≤ 3mm associated with coarser grained pyrite up to 3% conc along pyrolusite rich fractures							
				19.05 - 49.81 GRDR 4w contact 60° TCA coarse grained with phyllic altered plagioclase phenocrysts local limonite along fractures, 1% diss py and rare galena ± sphalerite blebs							
		GRDR		19.84 - 20.05 intensely silicified bleached GRDR with qtz fragments up to 3cm ± 1% sx							
				20.99 Fracture 50° TCA with 40% py 30% chl 5% hematite, 5% specularite							
				22.64 - 23.00 bleached GRDR with 3% red hematite as blebs up to 2cm wide with up to 1% metallic specularite, py up to 2% diss							
				24.78 - 24.91 coarse grained silicified GRDR with zeolassic alteration, 1% py diss local hematite replacing plag phenocrysts and along fractures btwn ~29 - 35 m							
				133.52 - 133.59 zone silicified zone with ~10% diss f.g py zone along a long qtz str							
	NQ			36.03 - 36.22 zone with sheeted py rich veinlets 35° TCA with up to 20% diss py btwn 36.20 - 36.22 m abundant limonite							
	BQ			Reduce NQ → BQ at 36.58 m							
				1% diss lenticular chrysolite GRDR							

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MINERALIZATION DESCRIPTION	TOTAL SULPHIDE	INTERVAL	WIDTH	ASSAY NUMBER	oz/ton Au	oz/ton Ag	% Cu	% Pb	% Zn	% COMPOSITE ASSAYS As
19.23 - 19.05 RYID tan green colored with distinct qtz eyes, up to 2% diss gn as euhedral cubes ≤ 3mm assoc with coarse grained py up to 3%			0.78	18481	0.007	4.56	0.0014	0.1030	0.0944	0.008
19.05 - 20.05 GRDR moderately-intensely silicified with up to 1% diss py and rare garnet & sphalerite blebs ≤ 2mm			1.00	18480	0.[illegible]	0.62	0.0109	0.0232	0.0891	Tr
36.03 - 36.22 GRDR with chloritized parts on qtz veinlets, py up to 20% btwn 36.20 - 36.22			0.19	18482	0.0032	0.20	0.0023	0.0113	0.0277	0.002

DF (METRES)	% Core Recy	LITHOLOGY	STRUCTURE	GEOLOGICAL DESCRIPTION	ALTERATION A Sil	B Prop	C Phy	D Arg	E Po	FRACT INTENSITY	VEINLET INTENSITY
40		GRDR		19.05-49.81 GRDR cont 38.95-38.98 qtz stringer ~85°TCA with a 4mm FW selvage of diss hematite and 1% f.g py, rare calcite, po envelopes 42.00 fracture 45° coated with chl ± f.g sx², 2% py local patches of weak phyllic alteration up to 8cm, ubiquitous leucoxene up to 1% 46.75-47.55 phyllic altered with sheeted chlorite ± f.g sx 40°TCA, py up to 3% diss							
50		RYID / GRDR		49.81-51.03 RYID tan-green flow banded rhyolite 60°TCA with dendritic pyrolusite along fractures, 3mm qtz calcite veinlets crosscut flowbanding 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 AND fragments, hematite on fractures							
60		GRDR / LOST / AMID		62.79-62.98 LOST ca 19 m core missing 62.98-63.58 AMID dark green calcareous matrix with saussuritized plag phenocrysts up to 1%, local epidote as envelopes to fractures, up to 1% diss subhedral py cubes (≤ 2mm) in FW of dyke							
70		GRDR		63.58-82.02 GRDR same as above 64.48-64.49 weak shear with 2mm hematitic qtz veinlet 64.97-65.17 aplite with a 2cm blob of qtz containing 3% py, hematite and abundant chlorite; abundant 3/m 2mm veinlets of qtz ± calcite with hematite 78.87 fracture containing an 8mm qtz / hematite veinlet with 2% py and phyllic, potassic envelopes							
80		AMID / GRDR		82.02-82.54 AMID dark green calcite rich dykes with abundant leucoxene diss, local hairline 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 containing up to 10% coarse py ± up to 1% qtz ± 2% cp 85.85 fracture 40°TCA with a 4mm thick qtz							

 PROJECT: OCEAN VEIN HOLE No. 89 561

MINERALIZATION DESCRIPTION	TOTAL SULPHIDE	INTERVAL	WIDTH	ASSAY NUMBER	% oz/ton Au	% Ag	% Cu	% Pb	% Zn	% COMPOSITE ASSAYS As
38.75-39.03 GRDR intense prop, mod phyllic and moderate Pb and intense silicification with a 3cm qtz stringer with a hematitic FW selvage up to 5mm, 1% disseminated py			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 stretched chl ± fgsx veinlets up to 2cm, 3% disseminated hematite in stringers			0.60	18483	0.0002	0.01	0.0003	0.0075	0.0201	Tr
51.03-51.47 GRDR coarse grained prop phy and sil altered with hematitic chlorite veinlets ≤2mm, 1% disseminated py			0.44	18487	0.0037	0.22	0.0018	0.0312	0.0420	0.0330
52.54-52.79 GRDR with a 1cm silicified zone with up to 3% disseminated py			025	18488	0.1086	0.15	0.0018	0.0245	0.0057	0.0260

DEPTH (METRES)	% Core Recy	LITHOLOGY	STRUCTURE	GEOLOGICAL DESCRIPTION	ALTERATION Sil A	Prop B	Phy C	Arg D	Po E	FRACT INTENSITY	VEINLET INTENSITY
90		GRDR / ANID		82.54 – 95.71 GRDR CON'T 89.46 - 89.97 1cm qtz stringer with up to 10% blood red - black hematite, 1% py 90.04 - 90.07 3cm qtz/calcite stringer with 3% hematite and rare gn, py up to 1% diffuse 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		GRDR		95.93 - 160.31 GRDR cont'd, 96.33 - 96.35 2cm qtz vein 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 cubic crystals 104.61 - 108.96 broken core with zone of argillic, phyllic, silic and propylitization, often grey-white gouge contains silicified fragments (≈ 90%) 105.22 - 105.24 2cm qtz/calcite veinlet 45° TCA with 2% py core on selvages, minor chlor 116.53 - 117.00 phyllic altered GRDR with .2							
110		GRDR		sheeted chl = e.g. 5x veinlets 50° TCA up to 1cm 116.71 - 116.80 fragment of calcite veinlet 2cm wide 50° TCA chl [illegible] with up to 2% coarse py and gouge along calcite contact up to 2mm thick 120.42 - 121.31 blocky core with up to 5% green gouge coating fractures, abundant chlorite 126.04 - 126.05 1cm white qtz/calcite veinlet 45° TCA with minor gouge on HW contact 131.23 - 131.28, 132.89 - 132.97, 133.48 - 133.54 intensely silicified aplite dykes (≤7cm)							
130				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 fe envelopes py < 1% 139.77 fracture with 4mm silicified zone with up to 5% py and up to 1% gn + fg sl coating fracture 40° TCA 141.00 - 141.02 1cm qtz/calcite veinlet with hematite on fractures, local py = 1% 145.44 - 145.57 fine grained phase of GRDR with [illegible]							

 PROJECT: OCEAN VEIN HOLE No. 89 561

MINERALIZATION DESCRIPTION	TOTAL SULPHIDE	INTERVAL	WIDTH	ASSAY NUMBER	% oz/ton Au	% Ag	% Cu	% Pb	% Zn	% COMPOSITE ASSAYS As
90.00 - 90.10 GRDR with a 3 cm qtz/calcite stringer with 3% hematite, rare 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
102.61 - 105.50 GRDR, intensely fractured with up to 10% green goop consisting silicified fragments of granodiorite, 2cm qtz stv			0.89	18552	0.0036	0.17	0.0042	0.0197	0.0360	0.0290
116.53 - 117.00 GRDR phyllic altered with 12 cm 1-5 sx veinlets up to 1cm wide with a calcitic 'fingerprint' pyr up to 2% fg			0.47	18553	0.0011	0.20	0.0009	0.0101	0.0124	0.0190
120.24 - 121.04 GRDR blocky core with up to 5% green clay gouge, GRDR is phyllic altered, py up to 10%			0.80	18560	0.0005	0.05	0.0026	0.007	0.0035	0.022
137.72 - 137.89 GRDR with a fracture @ 137.72 having up to 5% py and 1% fg gn @ 40° TCA			0.17	18554	0.0024	0.31	0.0052	0.0073	0.0040	0.030

 PROJECT: OCEAN VEIN HOLE No. 89561

DEPTH (METRES)	LITHOLOGY	STRUCTURE	INTERVAL	GEOLOGICAL DESCRIPTION
150	GRDR		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
				151.21 fracture 35° TCA with up to 7% coarse py
5				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% euhedral py
				158.09 Fracture 55° TCA with up to 2% py, local clay
160	ANID / GRDR			159.73 - 159.82 prop altered zone with local
				arg alteration as green clay on fractures ≤5mm
	ANID		160.31 - 160.65	ANID dark green fine grained with a
				calcite rich matrix plus hairline white veinlets
5				with local hematite, HW & FW contacts 45° TCA
				up to 1% very fine grained diss subhedral py
			160.65 - 162.38	GRDR same as above prop altered, local
				silicification, py diss in 3mm blebs up to 3%
			162.38 - 174.49	ANID dark green grainy dyke with
170				a 22cm f.g chill margin at the 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
	GRDR			168.13 a 2cm qtz/calcite veinlet with
180				up to 10% coarse blebs of py in veinlet and
				FW to 168.35m, veinlet has 2% sl and <1% gn
			174.49 - 194.38	GRDR same as above with up to 2% diss
				py but concentrated along fractures, local
				phyllic altered zones with assoc increase in py <3%
190				181.76 - 181.79 qtz/calcite stringer with HW
				and FW contacts 35° TCA, chloritic ± 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
	RYID			192.39 - 192.41 4 sheeted chlorite ± f.g sx
				veinlets 45° TCA with a 3mm calcite veinlet
				fine grained py is concentrated along selvages
			194.38 - 2?.41	RYID blocky tan-light green crackle
				[illegible]

ALTERATION						
Si A	Prop B	Phy C	Arg D	Po E	FRACT INTENSITY	VEINLET INTENSITY

 PROJECT: OCEAN VEIN HOLE No. 89 561

MINERALIZATION DESCRIPTION	TOTAL SULPHIDE	INTERVAL	WIDTH	ASSAY NUMBER	% Au	% Ag	% Cu	% Pb	% Zn	% COMPOSITE ASSAYS As
152.67 - 153.16 GRDR with a fracture at 152.73 with fg gn ± py, and 152.96 - 152.97 a 1cm qtz/calcite vein/et with up to 3% py wisps/veinlets, 2% gn ± 1% sl			0.49	18555	Tr <0.0002	0.58	0.0076	0.4860	0.1127	0.027
168.11 - 168.35 GNID with a 2cm qtz/calcite veinlet and up to 10% subinctral py blebs, 2% sl 1% gn			0.24	18556	0.0009	0.54	0.0171	0.2732	0.4086	0.087
189.14 - 190.14 GRDR phyllic altered with up to 3% diss py and chl ± fg sx veinlets ± pyrite 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 ± fg sx veinlets qtz veinlets 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 ± fg sx veinlets 45° TCA with 5% massive py, 3mm calcite veinlet			0.20	18563	0.0020	0.12	0.0039	0.0232	0.0058	0.0310

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DEPTH (METRES)	% Core Recy	LITHOLOGY	STRUCTURE	GEOLOGICAL DESCRIPTION	ALTERATION S.I A	Prop B	Phy C	Arg D	Po E	FRACT INTENSITY	VEINLET INTENSITY
200		RYID		194.38 - 201.41 RYID cont local chlorite ± fg sx veinlets on fractures (core is broken up pieces ~5cm) plus visible galena and sphalerite with chlorite on fractures, chl up to 5mm thick							
		GRDR									
		RYID		201.41 - 204.54 GRDR same as above, intense phyllic alteration, moderate silicification, bleached HW contact indistinct. 202.80 - 202.82 5 sheeted chl veinlets with up to 10% assoc py							
		ANID		204.33 - 204.37 chl veinlet with 3mm // calcite veinlet at FW contact, py up to 10% gn ≤ 2%							
210		GRDR		204.54 - 208.08 RYID same as above, locally brecciated with assoc gouge (≤ 5%) and abundant sericite py up to 1% diss, core not blocky now							
		ANID		208.08 - 208.68 ANID pale green grading into medium green intense calcite in matrix and as veinlets up to 5mm FW contact with GRDR 35° TCA, rare fg py							
		GRDR		208.68 - 216.03 GRDR same as above 211.45 chlorite veinlet up to 2mm with 5% py, 20° TCA 212.65 Fracture, 25° TCA with a 3mm chlorite - fg sx veinlet, poor slickensides with sx							
220		ANID		216.03 - 218.03 ANID 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							
				219.83 - 220.62 ANID medium green with calcite veinlets up to 3mm wide local hematite, py as euhedral cubes diss throughout up to 3%							
				220.62 - 226.92 GRDR intensely silicified, phyllic and prop altered, up to 5% py conc in chl veinlets; 223.70 - 224.03 phyllic altered with up to 5% off white gouge cementing GRDR fragments, chl ± fg sx veinlets at 223.66, 223.68, 223.70, 223.78, 224.17 225.68 - 226.92 sheared grdr with up to 30% chl veinlets ≤ 3cm wide with assoc py up to 10% diss but conc in chl veinlets randomly oriented 226.18 - 226.22 4cm green vein							
225											
7	OCEAN VN	VNSX									
		GRDR		VNSX Fragment of bx siz in a sx							

MINERALIZATION DESCRIPTION	TOTAL SULPHIDE	INTERVAL	WIDTH	ASSAY NUMBER	oz/ton Au	oz/ton Ag	% Cu	% Pb	% Zn	COMPOSITE % ASSAYS As
197.00-198.00 RVID blocky core with abundant chl ± fg sx on fractures local py + gn sl blebs up to 1%			1.00	18557	0.0032	0.21	0.0094	0.0439	0.0144	0.0250
198.00-199.00 RVID same as #18557			1.00	18558	0.0009	0.03	0.0005	0.0088	0.0078	0.0270
204.25-204.45 GRDR intense phyllic alteration, ~4 cm chl/calcite vein at 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 <0.0002	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 ± qtz fractures			0.38	18565	Tr <0.0002	0.10	0.0069	0.0017	0.0036	0.023
223.51-224.03 GRDR phyllic altered with 7 sheared 20° TCA chl ± fg sx veinlets up to 5% over all 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) over up to 2% asspx 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 3 cm wide, py up to 10% diss with 226.18-226.22 4 cm fragment of Ocean vein (bx white + grey qtz with chl			0.60	18569	0.0105	0.31	0.0095	0.1314	0.0059	0.380

 PROJECT: OCEAN VEIN HOLE No. 89 561

DEPTH (METRES) | % Core Recy | LITHOLOGY | STRUCTURE | GEOLOGICAL DESCRIPTION | ALTERATION: Sil A, Prop B, Phy C, Arg D, Po E | FRACT INTENSITY | VEINLET INTENSITY

Depth marks: 230, 235, 240, 245, 250, 255

Lithology column: GRDR, AN/D, GRDR, AN/D, GRDR, GOUGE, GRDR, AN/D, GRDR, AN/D

Interval	Geological Description
220.62-226.92	GRDR con't 226.28-226.18 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
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% cp) HW & FW contact 25° TCA
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% leucoxene; badly ground core btwn 241.58-241.36 245.88 fracture 25° TCA with 2mm. of graphite (weak slickensides) up to 2% py 246.24-246.26 2cm chlorite veinlet 10° TCA
247.19-247.41	AN/D light drab army green fine grained with local calcite veinlets
247.41-249.48	GRDR 247.41-247.91 highly fractured with up to 20% gouge cementing grdr fragments FW contact 40° TCA 248.45-248.55 3cm grey qtz str 5° TCA with 2% f.g. py in qtz, 1% diss in host 249.14-249.48 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 [illegible] decreases [illegible] 3cm [illegible]

 PROJECT: OCEAN VEIN HOLE No. 89 561

MINERALIZATION DESCRIPTION	TOTAL SULPHIDE	INTERVAL	WIDTH	ASSAY NUMBER	oz/ton Au	oz/ton Ag	% Cu	% Pb	% Zn	% COMPOSITE ASSAYS As
226.28 – 226.68 GRDR sheared with 12% pervasive gouge, convoluted chl veinlets, 2% euhedral 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 (≤ 3cm), 10% gouge cementing fragments, py ≤ 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 ≤ 2cm fragments in a chl + fg sx matrix; 75% py 20% sl 3% gn			0.34	18572	0.0014	2.84	0.0517	0.0579	0.0277	0.410
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 in intersection, phyllic grdr with up to 5% gouge, local chl veinlets			1.00	18574	0.0009	0.03	0.0020	0.0155	0.0138	0.053
228.58 – 229.58 GRDR with 18 sheeted 40° TCA chl veinlets in phyllic altered grdr up to 2% gouge, py ≤ 3%			1.00	18575	Tr <0.0002	0.02	0.0016	0.0109	0.0092	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/D army green with up to 5% calcite blebs and veinlets, py up to 3% (diss fg)			0.47	18578	0.0008	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° 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 10%			0.50	18580	Tr <0.0002	Tr <0.02	0.0006	0.0010	0.0051	0.036

DEPTH (METRES)	% Core Recy	LITHOLOGY	STRUCTURE	GEOLOGICAL DESCRIPTION	ALTERATION: Sil A	Prop B	Phy C	Arg D	Po E	FRACT INTENSITY	VEINLET INTENSITY
260		ANID / GRDR / ANID		254.41-258.36 ANID black basaltic? porphyritic dyke with 95% fg matrix, 3% white phenocrysts (plag), 1% chlorite blebs up to 2mm, fresh magnetic 255.48 cave in hole (ground grdr fragments); calcite on fractures up to 2mm wide; FW contact 30° TCA							
				258.36-259.46 GRDR prop altered with local epidote plus chlorite on fractures, diss leucoxene, 3 calcite veinlets up to 2mm							
	E.O.H. 268.68										
270				259.46-264.90 ANID same as above, 261.83-261.89 calcite blebs up to 1cm wide (overall up to 10%), core still magnetic							
				264.90-267.74 GRDR same as above with 3cm ANID frags 265.33-265.88 moderately silicified with 20% chlorite veinlets and 2% qtz fragments, abundant leucoxene, zone appears brecciated, local calcite very fg py up to 1%							
				267.74-268.50 ANID same as above with contact with GRDR 2° TCA (btwn 267.83-268.31 1/3 of core is grdr, 2/3 ANID; fracture coated with calcite); grdr portion is similar to 265.33-265.88 m with a brecciated appearance, py only visible up to 1%							
				268.50-268.68 GRDR weak prop altered fresh looking granodiorite, local chlorite and leucoxene, py rare (<1%)							
				E.O.H. 268.68 m							

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MINERALIZATION DESCRIPTION	TOTAL SULPHIDE	INTERVAL	WIDTH	ASSAY NUMBER	oz/ton Au	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 Tr	0.0006	0.0010	0.0051	0.036
249.48 - 249.81 GOUGE grey green with up to 20% 5mm size fragments of grdr			0.33	18582	0.0280	<0.02 Tr	0.0002	0.0014	0.0047	0.026
265.33 - 265.88 GRDR breccia with 20% chl xenolgts, mod silic, f.g, abundant leucoxene, 2% qtz fragments <1% sl f.g py visible throughout split			0.55	18601	0.0102	0.10	0.0024	0.0126	0.0221	0.002
267.61 - 267.93 AND small unit but GRDR 1/2 of core was 1/4'ed and sent in for assay; moderately silicified with up to 5% qtz fragments, abundant leucoxene 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 (METRES)	% Core Recy	LITHOLOGY	STRUCTURE	GEOLOGICAL DESCRIPTION	ALTERATION 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 RYLD 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 (7% py, 20% sl, 5% gn)

The true thickness was calculated to be 0.20m

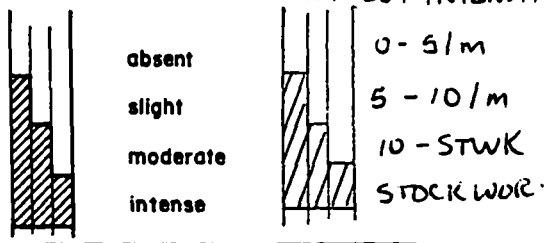
MOUNT SKUKUM GOLD MINING CORP.

MINERALS SECTION

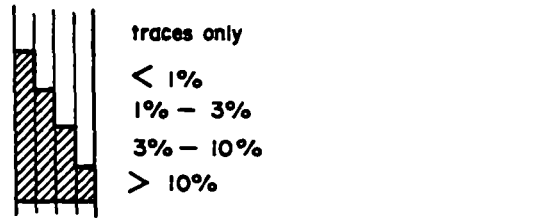
DRILL LOG

PROJECT OCEAN VEIN	**GROUND ELEV.** 12.27.96
HOLE No. 89 562	**BEARING** 360°
LOCATION NORTHING 72 511.98 / 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	
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**

ALTERATION SCALE



TOTAL SULPHIDE SCALE



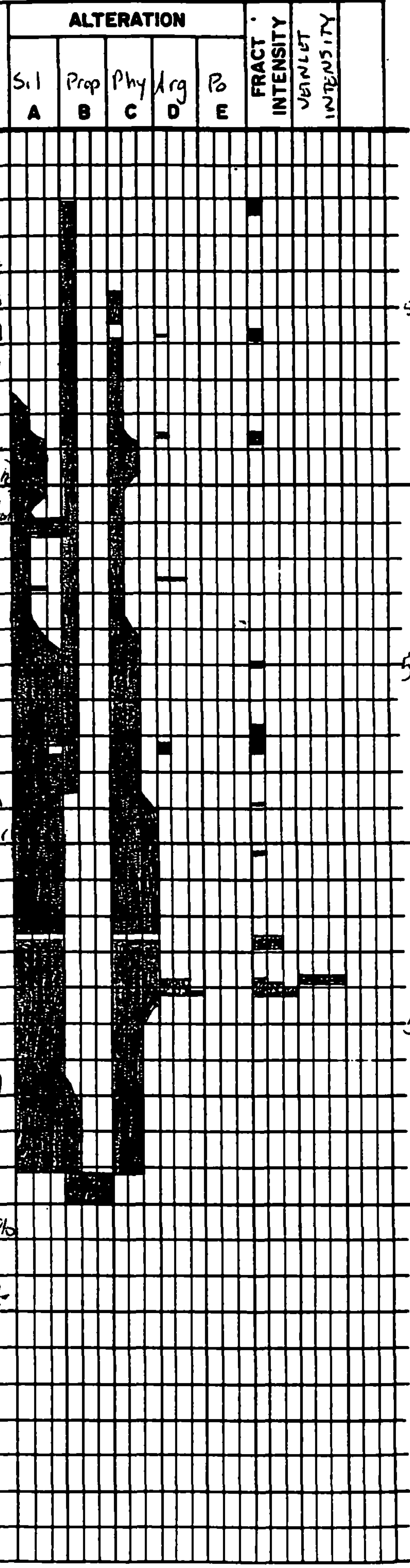
------- LONGITUDINAL PLOT ----- ----------

------- PLAN PLOT ------ ---------- SECTION PLOT --

LENGTH	AZIMUTH	DIP	HORZ	ELEV	DIST FROM BL		SECTION		SEC OFFSET		DESCRIPTION
3.00	360.00	-46.35	3.00	1227.96	61.42	S	4.0	W	1.66	W	COLLAR
19.81	360.00	-46.35	13.74	1213.55	47.58	S	4.0	W	1.66	W	EW- JOHNNY B.?
20.22	360.00	-46.35	13.95	1213.34	47.47	S	4.0	W	1.66	W	FW-JOHNNY B.?
23.73	360.00	-46.35	16.38	1210.79	45.04	S	4.0	W	1.66	W	EW- JOHNNY B.?
23.97	360.00	-46.35	16.55	1210.62	44.87	S	4.0	W	1.66	W	FW-JOHNNY B.?
30.48	360.00	-45.00	21.04	1205.91	40.38	S	4.0	W	1.66	W	DIP CHANGE
91.44	360.00	-44.00	64.14	1162.80	3.72	N	4.0	W	1.66	W	DIP CHANGE
134.69	360.00	-44.00	95.16	1132.76	33.34	N	4.0	W	1.66	W	EW-OCEAN VN FRAGS?
135.18	360.00	-44.00	95.51	1132.42	34.19	N	4.0	W	1.66	W	FW-OCEAN VN FRAGS?
135.18	360.00	-44.00	95.51	1132.42	34.19	N	4.0	W	1.66	W	FW-OCEAN VN FRAGS?
135.89	360.00	-44.00	96.02	1131.92	34.70	N	4.0	W	1.66	W	FW-OCEAN VN FRAGS?
152.40	360.00	-44.00	107.69	1120.45	46.57	N	4.0	W	1.66	W	DIP CHANGE
187.76	0.00	0.00	135.08	1097.73	73.66	N	4.0	W	1.66	W	END OF HOLE

PROJECT: OCEAN VEIN **HOLE No.** 89562

DEPTH (METRES)	% Core Recy	LITHOLOGY	STRUCTURE	GEOLOGICAL DESCRIPTION	
				0 - 2.10	OIB (casing)
		GRDR		2.10 - 22.71	GRDR medium grained with up to 40% plagioclase phenocrysts, local patches of hematite replacing phenocrysts, limonite on fractures and as envelopes to fractures (envelopes up to 6 cm wide) prop altered around core btwn 2.10-2.25, 3.66-3.71
					2mm calcite veinlet 25°TCA at 4.26m
					4.96m fracture 50° TCA coated with pyrolusite
10					8.19-8.51 fractured intensely rusty/limonitic with abundant pyrolusite, local brecciation
					11.30-11.31 1cm qtz veinlet with up to 5% py, 1% gn, 2% sphalerite, abundant leucoxene (up to 5% diss)
					12.60 fracture with 2mm limonitic gouge
					14.60-14.61 clear qtz veinlet with rare py, abundant leucoxene as envelopes
					15.28-15.32 4cm grey/clear qtz stringer with up to 5% py, 3% sphalerite and 2% gn 2% [illegible] carbonate? clay? as selvages -- stringer
20					15.32-22.71 silicified phyllic altered with abundant leucoxene py up to 2% diss
		GRDR			17.08-17.42 [illegible] argillic alteration
		VNQC	~~		17.51-17.69 brecciated zone with 20% smeared out qtz fragments up to 3cm long
		GRDR			18.96-19.02, 19.10-19.14 grey sx rich qtz strs with up to 10% cpy, 5% py, 3% sl, 3% gn; + Jonny S. vein * 3% diss py in [illegible] envelopes around stringers - 45° [illegible]
30					19.20 fracture with 1mm limonitic gouge 45° TCA and 2mm chlorite veinlet, py up to 1%
					20.24 5mm clear qtz veinlet with 20% yellow carbonate, 1% py [illegible] 1% [illegible] [illegible] veinlet 20° TCA, fractures coated with white clay up to 3mm
					21.57-21.61 zone of 7 chlorite veinlets up to 2mm (bleached at 45° TCA) with a 1cm qtz stringer from 21.60-21.61 [illegible] 7% py [illegible]
					[illegible]



PAGE 2 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
8.63 - 9.13 GRDR silicified and phyllic altered with up to 5% py concentrated in chloritic blebs ≤ 1cm			0.50	18583	0.0003	Tr <0.02	0.0008	0.0055	0.0048	Tr
11.02 - 11.49 GRDR intensely silicified with a 1cm grey qtz stringer containing up to 5% py, 2% sl, 1% gn			0.47	18584	0.0024	Tr <0.02	0.0015	0.0206	0.0073	Tr
14.23 - 15.18 GRDR intensely silicified phyllic altered with 2 up to 1cm qtz veinlets, pyrite up to 3% diss			0.75	18585	Tr <0.0002	0.02	0.0025	0.0072	0.0079	0.0080
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% sheared qtz fragments, 1% disseminated 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 phyllic altered grdr with abundant limonite and leucoxene, 1% disseminated fg py			1.00	18588	0.0018	Tr <0.02	0.0007	0.0051	0.0065	Tr
9.91 - 19.21 GRDR with 2 4cm sx rich qtz str * Johnny B vein* 10% cpy 5% py 3% sl, 3% gn			0.30	18589	0.0018	1.68	0.0607	0.1026	0.1836	Tr
19.21 - 20.21 GRDR intensely silicified phyllically altered with py up to 2%			1.00	18590	Tr <0.0002	0.05	0.0045	0.0096	0.0311	Tr

DEPTH (METRES)	% Core Recy	LITHOLOGY	STRUCTURE		GEOLOGICAL DESCRIPTION	ALTERATION Sil A	Prop B	Phy C	Arg D	Po E	FRACT INTENSITY	VEINLET INTENSITY
				2.10-22.71	GRDR cont:							
					21.80-21.83 3cm blebs 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, qtz							
				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							
				23.97-29.07	GRDR same as above 23.97-26.60							
					fractured with up to 2% clay on fractures							
					24.53 fracture 40° TCA with a 3mm qtz							
					vein & chlorite plus up to 20% py							
					10% sl 5% galena, minor pyrite 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 chl 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							
30					veinlets up to 3mm wide @ 70° TCA, abundant							
					leucoxene, 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, local							
					shears? up to 20% clay gouge in grdr,							
					local limonite on fractures within							
					[illegible]							

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% ~~py~~ in chl blebs			1.00	18591	0.0004	0.09	0.0061	0.0840	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 10% 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 1% 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	0.0057	0.0592	0.0700	0.011
25.53 - 26.27 GRDR intense sil ± phy 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 containing grdr fragments - oriented 25° TCA			0.15	18598	Tr <0.0002	0.05	0.0009	0.0071	0.0106	Tr

Johnny B. vein

PAGE 5 OF 12 | PROJECT: OCEAN VEIN | HOLE No. 89562

DEPTH (METRES)	% Core Recy	LITHOLOGY	STRUCTURE	GEOLOGICAL DESCRIPTION	ALTERATION Sil A	Prop B	Phy C	Arg D	Po E	FRACT INTENSITY	VEINLET INTENSITY
		GRDIZ		30.00-45.09 GRDR CONT							
				42.41 3mm chlorite veinlet rimmed with red hematite with distinct Potassic altered envelopes 2cm wide, py ≤ 2%							
		ANID		45.09-45.58 ANID medium green calcareous matrix							
		GRDZ		with several sheeted calcite veinlets up to 3mm, discontinuous and associated with red hematite, local epidote ≤ 2%, rare py							
		ANID		45.58-48.06 GRDR same as above, abundant leucoxene,							
		GRDR		and limonite on fractures, local aplite							
		ANID		Fine grained zones up to 8cm, py ≤ 1% diss;							
				47.49-47.58 fine grain portion of grdr							
				with abundant chlorite ± limonite							
				48.06-48.23 ANID same as above							
				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							
				49.56-49.89 ANID same as above with 10% grdr							
				sheared out fragments caught up in dyke							
		GRDR		49.89-119.19 GRDR fresh grdr with several							
				fine grained portions as well as							
				bleached sections up to 10cm.							
				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, 68.56m							
				2cm x 1cm blob of blue hematite ch							
				grdr in brown matrix, ≤ 5% py							
				70.30-83.56 patchy silicification							
				as well as carbonatization and local							
				clay on fractures up to 4mm wide							
				72.60 fracture 20°TCA with 3mm of							
				limonite gouge (weak shear)							
				74.74-74.77 weak shear as chlorite							
				plus limonite flood grdr 55° TCA							
				76.08-76.76 brecciated zone with 5%							
				5% limonite matrix							

PAGE 6 OF 12	PROJECT: OCEAN VEIN										HOLE No. 89 562
MINERALIZATION DESCRIPTION	TOTAL SULPHIDE	INTERVAL	WIDTH	ASSAY NUMBER	oz/ton Au	oz/ton Ag	% Cu	% Pb	% Zn	COMPOSITE % ASSAYS As	
18.39-18.92 GRDR silicified with abundant limonite and two cores of rhyolitic py ≤ 5%.			0.53	18599	0.0002	0.15	0.0120	0.0360	0.1291	Tr	

DEPTH (METRES)	% Core Recy	LITHOLOGY	STRUCTURE	GEOLOGICAL DESCRIPTION	ALTERATION Sil A	Prop B	Phy C	Arg D	Po E	FRACT INTENSITY	VEINLET INTENSITY
80				49.89-119.19 GRDR CONT							
				80.17-80.24, 80.32-80.38 intensely silicified zones with 70% qtz fragments up to 3% diss py in qtz, 1% limonitic gouge							
85				82.58-82.66 intensely silicified aplite							
				84.38-84.91 silicified with up to 5% diss py in discrete zones, silicified carbonate? sheeted stringers 30° TCA							
				84.91-86.03 phyllic altered grdr, <1% py							
90				89.07-89.11 silicified with 10% calcite and 2% f.g. py in veinlets // fracture 60° TCA							
		GRDR		89.11-92.03 mottled looking grdr with up to 5% diss leucoxene throughout local tan carbonate? stringers up to 8mm							
95				94.96-95.73 blocky core with abundant limonite and up to 5% clay on fractures							
				97.95-97.97 chlorite veinlets at random orientations make grdr look brecciated, py <2%							
				99.82-99.85 badly ground core, local carbonate blebs up to 3x2cm, py ≤ 1%							
100				101.40 fracture 30° TCA with chl ± f.g. sx? and up to 3% py plus 5% gouge, pinkish leucoxene							
				108.91-109.7 intense hematite flooding preferentially replacing pheno crystals intense chlorite alteration on fractures							
				110.03 3cm qtz bleb in a ptassic altered zone up to 5cm wide, py <1%							
110				110-119 m bleach looking core with local silicification, carbonate veinlets at random orientations throughout, abundant up to 10% leucoxene diss, local chlorite veinlets up to 2mm with associated pyrite up to 3%, hematite diss (replacing phyg phenocrysts), local patches of phyllic alteration and minor amounts of clay coating fractures							
				119.19-119.70 RYID grey green sheared rhyolite, HW contact 20° TCA, fine grained matrix with [illegible]							

PAGE 8 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
80.17 - 80.38 intensely silicified GRDR with up to 70% qtz fragments (silicified gradr?) up to 3% diss py			0.21	18600	0.0023	0.05	0.0018	0.0130	0.0437	Tr
84.51 - 84.95 GRDR silicified with up to 5% py in discrete zones + 5 silicified carbonate stringers			0.44	18603	0.0003	0.02	0.0003	0.0004	0.0042	Tr

 PROJECT: OCEAN VEIN HOLE No. 89562

DEPTH (METRES)	% Core Recy	LITHOLOGY	STRUCTURE	GEOLOGICAL DESCRIPTION	ALTERATION Sil A	Prop B	Phy C	Arg D	Po E	FRACT INTENSITY	VEINLET INTENSITY
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							
125		RHBX		120.77 - 134.00 RHBX grey goug 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							
130				up to 30% gouge (pervasive) py < 2% 127.06 - 127.13 distinct shear within RHBx of convoluted chlorite veinlets 40° TCA 131.58 - 131.97 blocky core, 15% gouge							
135		GRDR		134.00 - 144.59 GRDR silicified bleached with local brecciation up to 8cm wide consisting of angular RYID fragments up to 5% in a fine grained grdr matrix 134.69 - 135.89 silicified grdr with dark green chlorite veinlets surrounding							
140			* *	clear qtz fragments up to 3 x 2cm 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 55° TCA							
145		RYID / RHBX / GRDR		138.53 - 138.61 badly ground core 139.86 - 140.05 ? chl + sx veinlets in all ... altered grdr silicified 141.54 3mm zone of chl veinlets + f.g sx							
150		RYID / RHBX / RYID		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 RHBX ~~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 f.g. grey rhyolite matrix (up to 20%)							
155		RHBX / RYID		147.40 - 150.40 GRDR (same as above ... bleached) [illegible] breccia [illegible]							

 PROJECT: OCEAN VEIN HOLE No. 89 562

MINERALIZATION DESCRIPTION	TOTAL SULPHIDE	INTERVAL	WIDTH	ASSAY NUMBER	% oz/ton Au	% Ag	% Cu	% Pb	% Zn	% COMPOSITE ASSAYS
119.19 - 119.90 RYID grey green sheared Rhyolite with convoluted chlorite veinlets, RYID casts up to 5%			0.69	18604	0.0004	0.03	0.0014	0.0082	0.0162	0.009
119.90 - 120.77 GOUGE 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 RHBX grey green rhyolite breccia with up to 30% chloritic grdr fragments, 10% gouge			1.00	18606	Tr <0.0002	0.14	0.0054	0.0232	0.0162	0.013
125.64 - 126.27 RHBx with up to 30% grey pervasive gouge, fragments obscure but up to 15%, py < 2%			0.63	18607	0.0004	0.04	0.0016	0.0119	0.0158	0.0110
133.00 - 134.69 GRDR silicified zone with up to 5% RYID fragments in a f.g grdr 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 often py up to 3% sl 2% gn 1%			0.49	18609	0.0010	0.38	0.0032	0.4590	0.0049	0.010 c
* 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? **										Assays on right
135.89 - 136.89 GRDR silicified with local chlorite veinlets py up to 2% diss + fg in chlorite veinlets			1.00	18611	<0.0002	0.03	0.0012	0.0203	0.0172	0.0020
139.00 - 140.05 GRDR silicified with 7 chlorite veinlets and up to 5% py plus f.g sx 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 sx - py up to 10% sl 3% gn 2%			0.99	18613	0.0085	0.17	0.0085	0.0650	0.0957	0.003
145.58 - 145.74 RHBX with up to 40% gouge containing rhyolite fragments			0.16	18614	Tr <0.0002	0.04	0.0023	0.0188	0.0209	0.0110

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DEPTH (METRES)	% Core Recy	LITHOLOGY	STRUCTURE	GEOLOGICAL DESCRIPTION	ALTERATION S.I A	Prop B	Phy C	Arg D	Pc E	FRACT INTENSITY	VEINLET INTENSITY
160				150.40-151.57 RYID sheared flow banded rhyolite with abundant chlorite at HW contact mottled looking banded core with local chlorite altered fragments <1cm ± ≤ 1%				—		—	
				151.51-152.97 RHBX same as above with moderate argillic alteration btwn 151.48 - 151.69m fragments are up to 3cm ± are rhyolite						—	
				152.97-157.28 RYID same as above local banding 40-50° TCA of tan and grey layers with local angular rhyolite fragments 4%							
170				155.45-155.78 brecciated zone 40% fragments							
		RYID		155.78 - 156.61 dusty pink pervasive hematite staining banded rhyolite							
				157.28-158.39 RHBX same as above with overall 70% f.g matrix, 30% rhyolite fragments							
				158.39-186.52 RYID same as above, core looks mottled with convoluted banding and bleached fragments brecciated zones btwn 178.35-178.44, 180.71-180.97 183.01-185.04 silicified non mottled light green with 2% white leucoxene blebs, 2% calcite banded veinlets 1% disp py							
180				185.04-185.98 intensely silicified with chlorite throughout matrix (core looks dark brown-black) with up to 3% py in discrete veinlets up to 3cm wide							
				186.52-187.76 ANID medium green mottled dykes with up to 10% chlorite blebs local 2mm calcite veinlets, euhedral pyrite blebs up to 3%							
E.O.H		ANID		187.76m							
				E.O.H 187.76m							

PAGE 12 OF 12	PROJECT: OCEAN VEIN	HOLE No. 89 562

MINERALIZATION DESCRIPTION	TOTAL SULPHIDE	INTERVAL	WIDTH	ASSAY NUMBER	oz/ton Au	oz/ton Ag	% Cu	% Pb	% Zn	% ASSAYS As
185.04 - 185.98 RYID intensely silicified and mottled with up to 3% diss py + [illegible] in discrete veinlets up to 3mm wide			0.94	18615	Tr <0.0002	Tr <0.02	0.0090	0.0007	0.0210	0.0071

PAGE OF | PROJECT: | HOLE No. 89562

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

HOLE SUMMARY

89 562 was drilled to test the Ocean Vein Structure to the west and at the major contact btwn the grdr and pgan units.

The majority of the hole consists of prop. altered grdr with several amld

At 18.91 - 23.77m qtz stringers with up to 20% py, 5% sl ; 1% gn could represent the Johnny B. vein.

1 major fault was encountered btwn 119.90 - 120.77m which could represent the large contact fault

The target Ocean vein was not intersected but btwn 134.69 - 135.89 m, up to a 4cm qtz str with sulphides could represent ocean vein fragments.