### COMINCO LTD.

### EXPLORATION

### WESTERN DISTRICT

### FAME PROGRAM REPORT

FAME GRANT #10963-M18 SULLIVAN PROJECT

> 198 GEOLOGICAL BRANCH ASSESSMENT REPORT

PREF	PAREI	) IN	THRE	E	PARTS	<u>-</u>
PART	1:	GEOI	LOGY			
PART	2:	DIAI	MOND	DF	RILLIN	G
PART	3:	GEO	PHYSI	ECS	5	

P.W. RANSOM

FILMED

FEBRUARY, 1988

#### COMINCO LTD.

EXPLORATION NTS: 82F/9 82F/16 82G/12

#### 1987 FAME REPORT

WESTERN DISTRICT

82G/13

SULLIVAN PROJECT

#### Fort Steele Mining Division

P.W. Ransom February, 1988

#### INTRODUCTION

#### Specific Location

The work being reported on was done in the Mark and Matthew Creek areas west and northwest of Kimberley, B.C. Access to these areas is by logging and exploration roads.

#### Property Description

The property being investigated forms part of the Sullivan Mine claim group, owned by Cominco Ltd. Cominco has operated the mine for about 75 years. The Sullivan stratiform Ag-Pb-Zn-Fe sulphide deposit is one of the most important of its type worldwide and has contributed significantly to the mineral wealth generated in the province of British Columbia.

#### Geological Mapping and Diamond Drilling

Geological mapping was done in the headwaters of Mark Creek and in the vicinity of some of the holes drilled. Two holes were drilled on North Star Hill on geophysical anomalies near known sulphide mineralization; one hole tested a geophysical anomaly on the northeast fork of Matthew Creek; and one hole tested Sullivan Horizon on the west fork of Matthew creek. A 1.7 km long hole was drilled 4 km northwest of Sullivan to test for the faulted continuation of the Sullivan orebody north of the Kimberley Fault. EM surveying was conducted in the northeast fork of Matthew Creek.

### Claims Explored

The north and west part of the Sullivan claim block (1685 claims) was partially explored by this work, an area about 10 X 15 km in size. Cominco's claim outline in this area is shown in Figure 3 and a summary of the Sullivan Mine Group of Mineral Claims is in Appendix K.

# FAME PROGRAM REPORT

# SULLIVAN PROJECT

PART 1

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GEOLOGY

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FIGURE 2 Geological Section - 5514 OOON UTM Grid 32,000 Sullivan Grid 1-4

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#### 1987 FAME REPORT

### SULLIVAN PROJECT

### PART 1 - GEOLOGY Fort Steele Mining Division

February, 1988

P.W. Ransom

#### GEOLOGICAL MAPPING

#### Introduction

Geological mapping was done in the upper tributaries of Mark Creek to expand on previous work done by Cominco in order to identify structures that might project into areas where deep drilling was being considered. A recent interpretation suggests that a west dipping normal fault is necessary to explain observed steep east dip of bedding in outcrop and apparent gentle east dip of the Upper Aldridge Formation and enclosing strata (Carter et al, 1987).

Extensive areas at lower elevations were traversed in 1987 to expand coverage beyond the more easily and previously mapped ridge tops. Mapping control was by pace, compass and altimeter used in conjunction with airphotos; the base map scale was 1:20,000.

#### <u>Results</u>

Several critical outcrops were located that placed constraints on the locations of the top and bottom contacts of the Upper Aldridge Formation. In addition, because of the contrast in lithologic character between this formation and adjacent formations, it was also possible to use rubble and float occurrences to refine limits of these important contacts.

Rocks mapped belong to three formations, Middle Aldridge, Upper Aldridge and Creston. The lowest strata observed are from the upper portion of the Middle Aldridge Formation, generally exposed at lower elevations along creeks. The dominant rock types are wacke and quartz wacke that are grey weathering; medium to light grey; medium to thick bedded; with sharp, flat bed contacts; graded, especially in the top 10% to 20% of the beds, through subwacke to argillite. Also present are significant thicknesses of wacke, subwacke and argillite that are rust to dark grey weathering; medium and dark grey; thin bedded to laminated; with sharp flat bed contacts and laminations; beds are either

### Page 1-2

graded or homogeneous; and typically contain 1% to 2% pyrrhotite. Exposures are poor and discontinuous, therefore only an impression of the relative distribution of these two lithotypes is possible. Thickness of either as much as 100 feet were observed, and either may have intercalations of the other in units from 1 to 20 feet thick.

The dominant rock types of the Upper Aldridge Formation are argillite and subwacke to wacke that is rust weathering; the argillite is medium grey, the subwacke-wacke is generally dark grey to black, rarely white; the argillite is uniform or massive, the subwacke-wacke is usually very finely internally laminated; the subwacke-wacke contains very fine silt grains in an argillaceous matrix; these lithotypes are laminated to very-thin bedded with respect to each other, bed contacts are sharp and flat; pyrrhotite and pyrite (about 1 or 2% of the rock in places) is restricted to the subwacke-wacke lithotypes.

The youngest strata mapped belong to the Lower Creston Formation. The dominant rock types are wacke, subwacke and argillite that are light green, brown and light rust weathering; grey to greenish grey; medium, thin bedded and laminated; bed contacts are generally distinct and wavy; beds are typically graded and laminated intervals are distinctly wavy, cross laminations are present; magnetite, although not abundant, is present in the wacke.

Within the lower 100 or 200 feet of the Lower Creaton Formation there is one interval of distinct Upper Aldridge type strata about 20 feet thick. Exposures are not adequate to determine if this is a merely a local phenomenon or a feature of regional extent. It is important to be aware that Upper Aldridge contacts based on the presence of Upper Aldridge type rubble may be in error, although such errors are believed to be relatively minor.

The mapped distribution of the Upper Aldridge Formation (Fig. 1) defines three major westerly dipping normal faults not previously documented. The Cue and Cub faults both have a significant topographic expression on the ridge to the north, the Kent Fault appears to follow a lengthy airphoto linear. Offsets on the Cue, Cub and Kent faults are 800, 1000 and 1300 feet respectively, as determined from section 5514 000N, Fig. 2.

The Cue, Cub and Kent faults offset a large anticline on the northeast fork of Mark Creek and to the south they disappear beneath the overburden of Mark Creek valley. No major offsets of the Kimberley Fault can be ascribed to these faults. The dip of these faults changes from westerly to northwesterly as the Kimberley Fault is approached and there they become indistinguishable in the complex deformation associated with this major east-west structure.

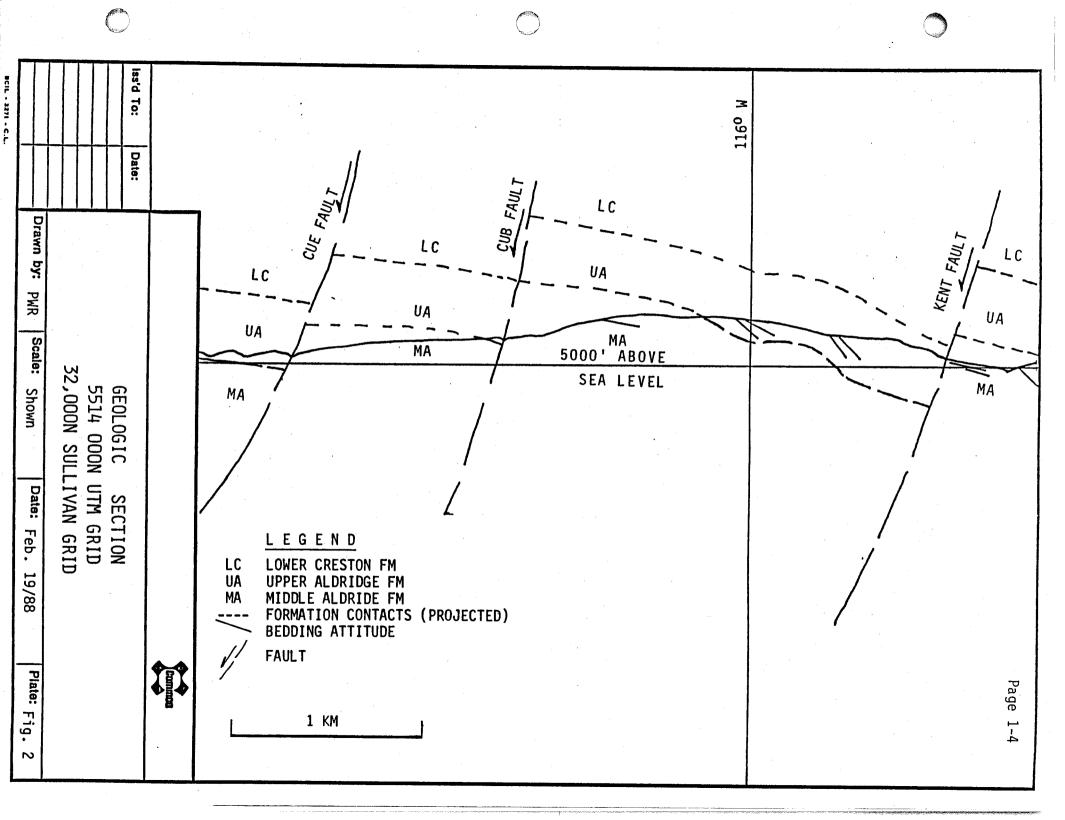
Page 1-3

### Conclusions

This mapping has defined three major west to northwest dipping normal faults. Because these faults curve into the Kimberley Fault, it can be reasonably assumed that they are listric. The Kimberley Fault developed as a lateral ramp and normal fault related to the major east verging Matthew Creek Thrust (Ransom, 1987), one of many east verging structures in the Purcell Mountains produced at the same time as the Rocky Mountain Fold and thrust belt. Because the Cue, Cub and Kent faults cut, and therefore postdate, folds developed during Cretaceous mountain-building, they most likely formed during the major regional scale Eocene extension faulting event documented in southeast B.C. (Price et al). It is inferred that the Kimberley Fault was reactivated at that time as an extensional decollement.

#### References

- Carter, G. and Hoy, T., 1987, OPEN FILE MAP 1987-8, Geology of the Skookumchuck Map Area, B.C. Ministry of Energy, Mines and Petroleum Resources.
- Ransom, P.W., 1987, 1986 FAME Report, Sullivan Mine Area, Kimberley, B.C. (FAME Grant Identification No. 10963M-5).
- Price, R.A., 1981, The Cordilleran foreland thrust and fold belt in the southern Canadian Rocky Mountains, in Thrust and Nappe Tectonics, McClay and N.J. Price (eds.), Geological Society of London Special Publication No. 9.



# FAME PROGRAM REPORT

# SULLIVAN PROJECT

# PART 2

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# DIAMOND DRILLING

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### COMINCO LTD.

EXPLORATION NTS: 82F/9 82G/12

WESTERN DISTRICT

### 1987 FAME REPORT

#### SULLIVAN PROJECT

### <u>PART 2 - DIAMOND DRILLING</u> Fort Steele Mining Division

February, 1988

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P.W. Ransom

#### DIAMOND DRILLING

#### Introduction

Five core holes were drilled during 1987 and January 1988, they are:

HOLE NO.	LENGTH	FEET	(METRES)
DDH 6460		547	(167)
DDH 6461		497	(152)
DDH 6462		315	(96)
DDH 6463		997	(304)
DDH 6464		5701	(1738)

Detailed lithologic descriptions, core size information, survey information and claim names drilling was done on are in the logs in appendices F to J and a cost summary on each hole is in appendices A to E. Hole locations are shown in Figure 3 (Part 1), the geologic map of the Kimberley area. Figures 4 through 7 are graphic logs showing a lithologic summary and some sedimentologic and structural details in core from holes 6460 through 6463, Figure 8 is the legend for these figures. Figure 9 shows interpretive sections through DDH 6464. A brief description of the results obtained in each hole follows.

#### Results and Interpretation

#### DDH 6460

DDH 6460 (Fig. 3, Part 1) was drilled to test the North Star Hill UTEM conductor "J", described in Part C of the 1986 FAME report on Sullivan (Lajoie). Drilling was entirely within the Lower Aldridge Formation; rock types cored include quartz arenite, quartz wacke, wacke. subwacke and argillite in thick, medium and thin beds and laminites; many beds contain minor, but variable, amounts of pyrrhotite (Fig. 4). Veinlets and thin bedding-parallel layers of pyrrhotite up to 3 millimeters thick are electrically

### Page 2-2

connected across as much as 10 centimeters of strata in the core at a few locations between 270 and 359 feet, the general target depth. These pyrrhotite seams and stringers are the cause of the geophysical anomaly. No economic concentrations of sulphides were cored.

#### DDH 6461

DDH 6461 was drilled on one of many UTEM and HLEM conductors previously documented on North Star Hill, just south of Mark Creek between the Sullivan and North Star orebodies (Fig. 3, Part 1). It is approximately on strike to the north of the Quantrell sulphide occurrence in which both bedded and vein sulphides (mainly pyrrhotite, some galena and sphalerite) were exposed by prospectors early this century.

DDH 6461 was drilled entirely within the Lower Aldridge Formation. Rock types cored include quartz arenite, quartz wacke, wacke subwacke and argillite in thick, medium and thin beds and laminites; most beds contain minor variable amounts of pyrrhotite (Fig. 5). Pyrrhotite is also present in bedding-parallel layers up to 3 centimeters thick, laminations, stringers and veins, especially between 20 and 459 feet. Minor galena and sphalerite accompany the pyrrhotite in a few places; no assaying was done. Although the strata cored appear less quartzose than that cored in DDH 6460, both holes cored approximately the same stratigraphic interval.

#### DDH 6462

DDH 6462 was drilled on the northeast fork of Matthew Creek (Fig.3, Part 1) to test a UTEM anomaly recognized in a survey conducted in 1986 and reported in part C of the 1986 FAME report on Sullivan.

DDH 6462 was drilled within a portion of the Middle Aldridge Formation, primarily through wacke, subwacke and argillite, and minor quartz wacke, in predominantly medium and thin beds, some laminites and a few thick beds (Fig. 6). Pyrrhotite, although not abundant, is widely disseminated. Up to 30% pyrrhotite in seams parallel to bedding up to five millimeters thick as well as in crosscutting veinlets, all between 157 and 277 feet (the approximate target depth) are the cause of the UTEM anomaly. Two thin gabbro sills, Moyie intrusions, were intersected. No economic sulphide mineralization was discovered.

#### Page 2-3

### DDH 6463

DDH 6463 was drilled south of the west fork of Matthew Creek (Fig.3, Part 1). The objective was to test for strataform lead, zinc, iron sulphides at Sullivan Horizon, the stratigraphic interval where the Sullivan orebody is found, near the top of the Lower Aldridge Formation.

Rocks cored by DDH 6463 include quartz arenite, quartz wacke, wacke, subwacke and argillite in thick, medium and thin beds and laminites of the Middle Aldridge and Lower Aldridge Formations (Figure 7). In the strata interpreted as Sullivan Horizon, no significant concentrations of lead, zinc, iron or other trace elements were found (Table 1). Two thin gabbro sills, Moyie intrusions, were intersected.

### DDH 6464

DDH 6464 was drilled west of Mark Creek, about 4 kilometers northwest of the Sullivan orebody (Fig. 3, Part 1). This hole was designed to test for the faulted continuation of the Sullivan orebody north of the Kimberley Fault. Drilling was completed to a depth of 5701 feet. The cored interval was entirely within the the Middle Aldridge Formation and at 5701 feet the hole is substantially above the target horizon.

A simplified stratigraphic interpretation is shown in Figure 9. The Moyie intrusions are shown and assumed to to be sills, however it should be pointed out that although Moyie intrusions are generally sill like throughout much of the Aldridge, there are many localities where they cut through substantial amounts of strata. Details of lithology, sedimentology, and structure are contained within the log in appendix A. No significant sulphide mineralization was intersected to the 5701 foot depth. At 5701 feet the rock temperature is 118.5° F. SULLIVAN EXPL.-WD

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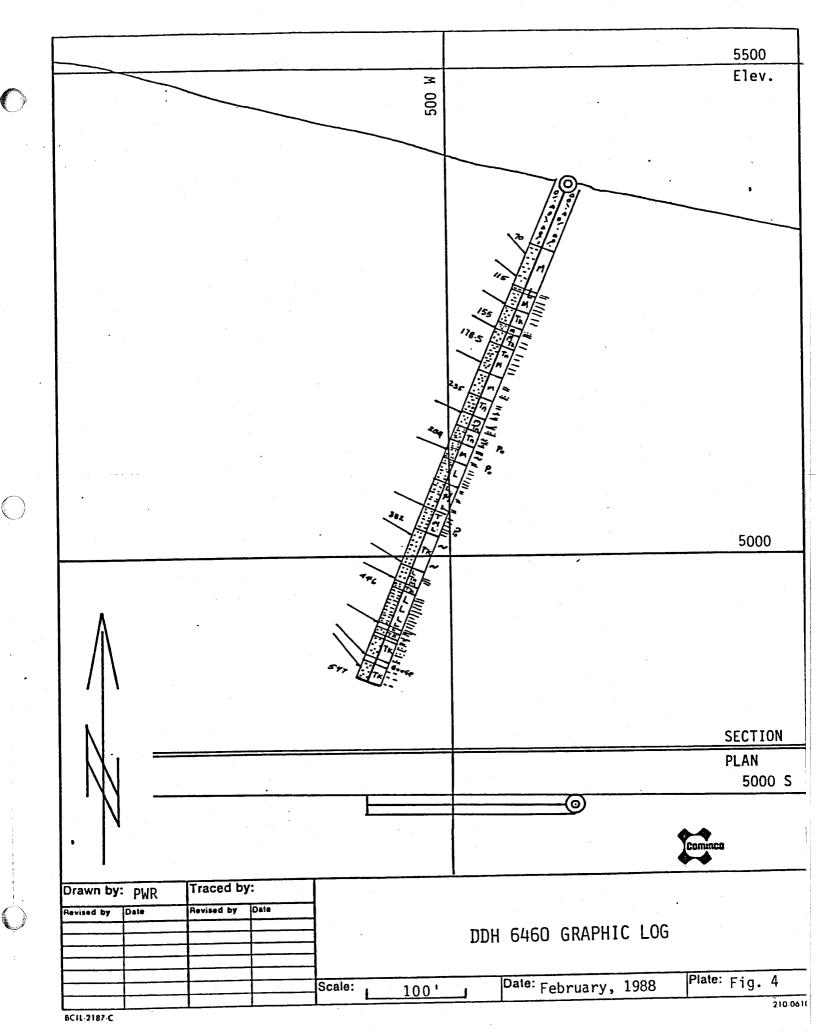
2-4

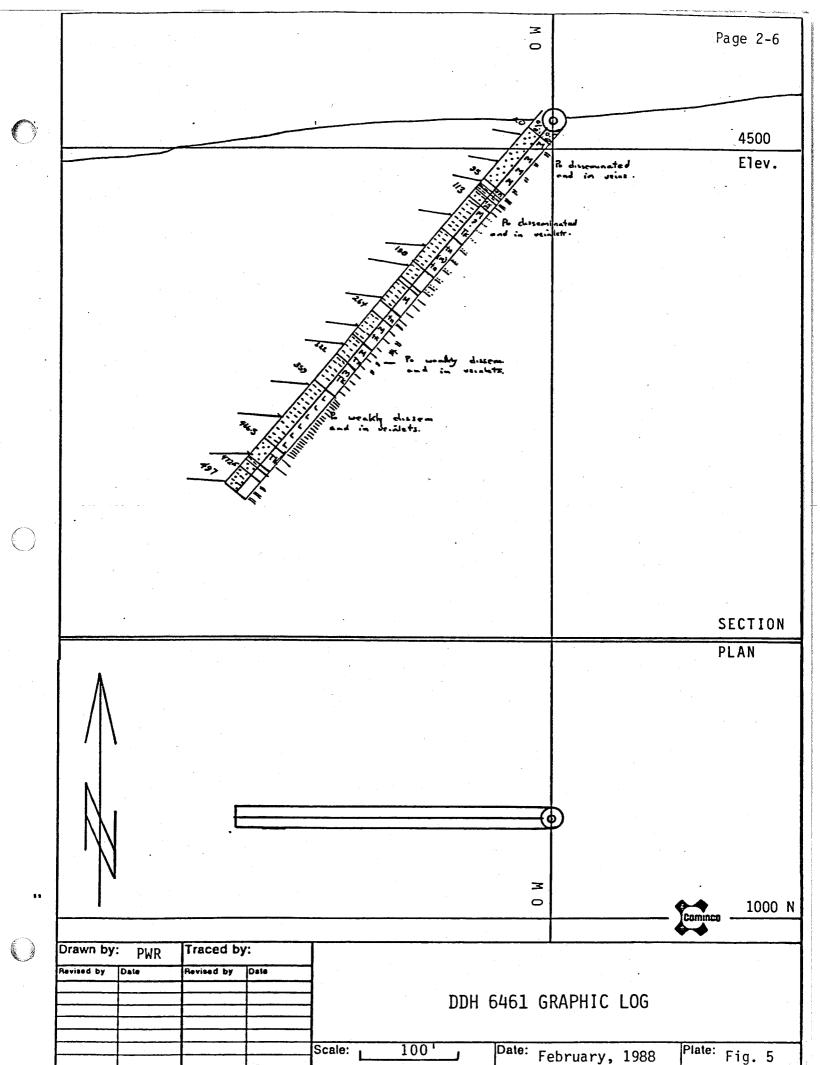
REPORT DATE 21 AUG 1987

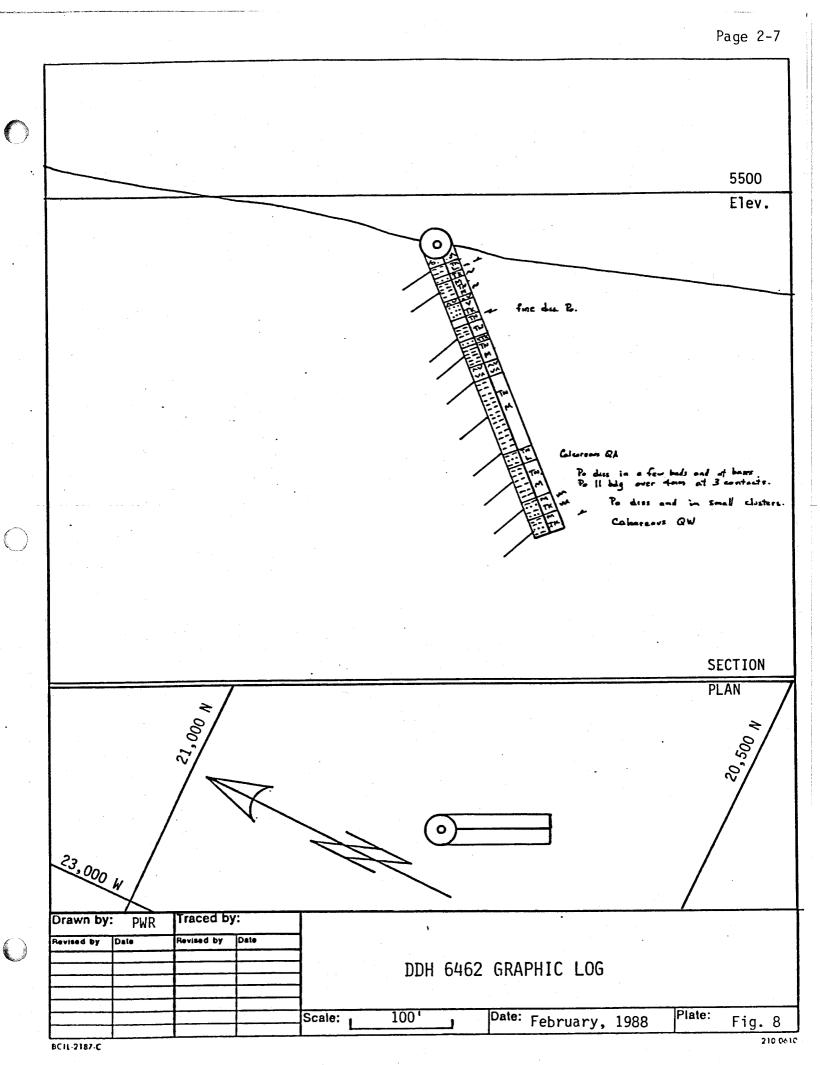
SAMPLE	INTERVAL	Au	Ht Au	As	Рв	ZN	Cu	FE	- Nn	° V	Ce	As	HG
From	To (Feet)	<b>778</b>	GRAN	PPN	***	PPX	77X	X	77N	PPN 	*** ***	PPK	PP8 
 897.0	902.8	(10	5	.5	184	265	24	3.24	638	92	93	7	210
902.8	907.0	(10	5	.5	246	1140	33	4.46	688	109	72	7	10
907.0	912.0	(10	5		. 58	411	29	3.86	516	. 97	83	13	<10
912.0	917.0	(10	5	(.4	29	205	31	3.62	447	89	83	8	- 10
917.0	922.0	(10	5	.6	216	421	31	4.14	474	86	92	8	(10
922.0	927.0	(10	5	(14	149	176	27	3.50	450	90		12	(10
 927.0	930.6	(10	5	(.4	37	90	38	3.62	394	90	91	11	(10

### I=INSUFFICIENT SAMPLE X=SMALL SAMPLE E=EXCEEDS CALIBRATION C=DEING CHECKED R=REVISED If requested analyses are not skown presults are to follow

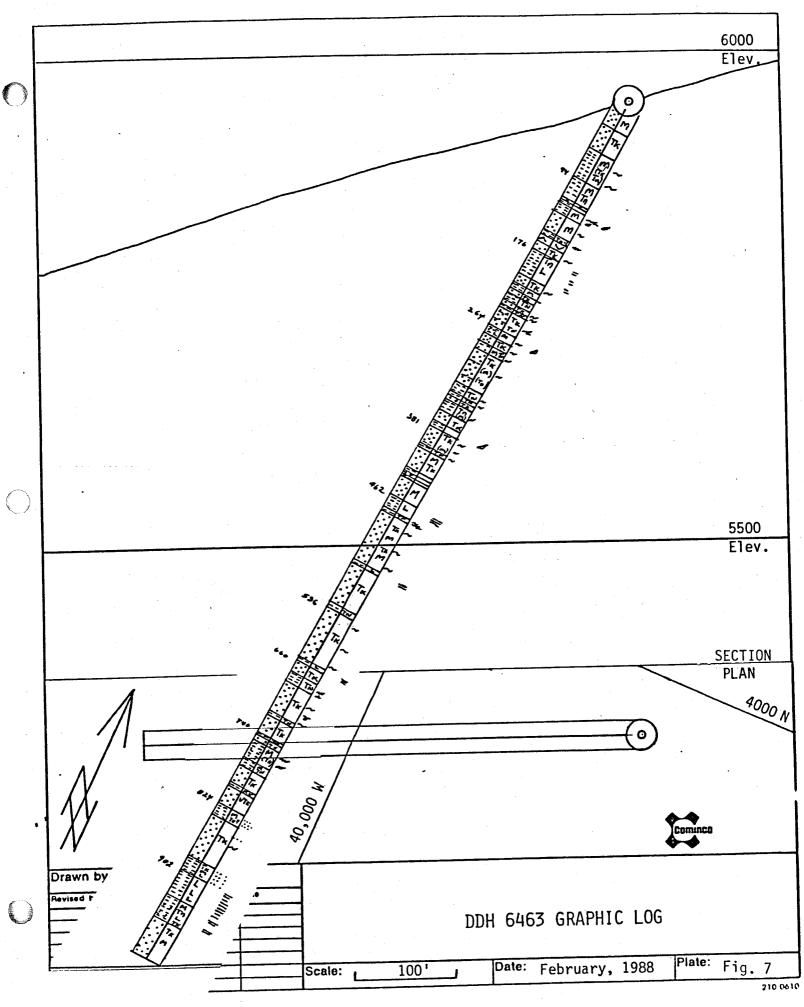
ANALYTICA	L METHODS	TABI	_E 1	
	AQUA REGIA DECOMPOSITION / SOLVENT EXTRACTION / AAS			
	THE WEIGHT OF SAMPLE TAKEN TO ANALYSE FOR GOLD (GEOCHEN)	DDH6463 TRACE ELE	IENT GEUCHEMISTRY	
	AQUA REGIA DECOMPOSITION / AAS	•		
	ADUA REGIA BECOMPOSITION / AAS		· .	
	AQUA REGIA BECOMPOSITION / AAS	· · · · · · · · · · · · · · · · · · ·		
	ADUA REGIA DECOMPOSITION / AAS			
	ADUA REGIA DECOMPOSITION / AAS			
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	X-RAY FLUORESCENCE / PRESSED PELLET	•		
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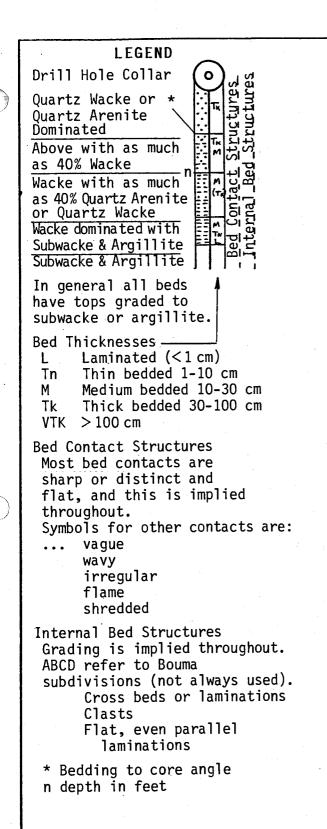






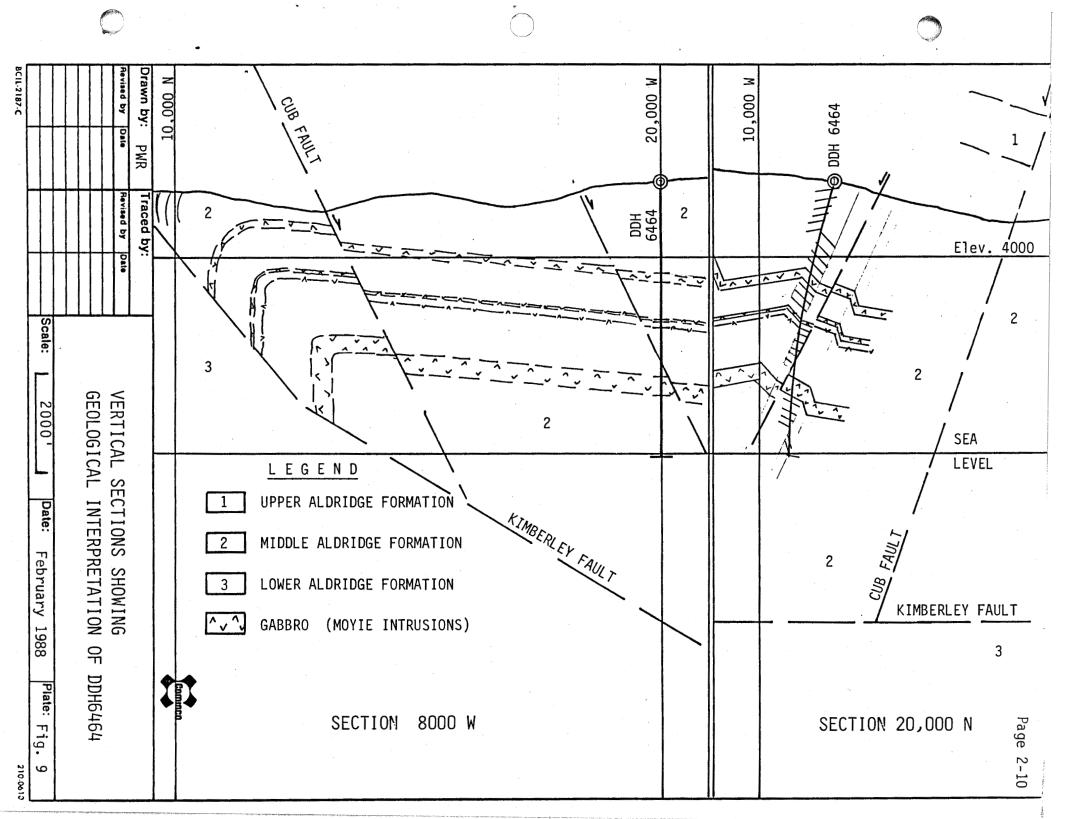






# LEGEND FOR FIGURES 4 TO 7

FIGURE 8



Page 2-11

msom

Parts 1 and 2 of this report by:

P.W. RANSOM Project Geologist Cominco Ltd.

11 Approved for release by: J.M. H ANILTON

J.M. HAMILTON Manager, Exploration Western Canada Cominco Ltd.

Distribution: Ministry of Energy, Mines and Petroleum Resources (2 copies) Sullivan Mine Kootenay Exploration Western District

### APPENDIX A

### Page 2-12

## STATEMENT OF EXPENDITURES

### DDH 6460

### DIRECT COSTS

Contractor:

Tonto Drilling (B.C.) Ltd. #200 - 3920 Norland Ave. Burnaby, B.C. V5G 4K7

### Item

### Amount

Mobilization/Demobilization	\$ 500.00
Drilling 0-547	11,831.00
Moving	2,782.00
Surveys	75.00
Other	338.00
Materials	1,539,45
	Direct Costs = \$17,065.45

### INDIRECT COSTS

<u>Salaries</u>

P.W. Ransom	- Geologist - supervision, core logging, report writing 10 days @ \$250/day	\$ 2,500.00
Other Contra	ctors:	
	ntracting Ltd., Kimberley, B.C Site	
	Preparation - 0.1 km of road plus site	1 062 50
	dozer 12.5 hours @ \$85/hour	1,062.50 130.00
-	t hauling auling 6.5 hours @ \$45/hour	292.50
	avy Hauling (1973) Ltd., Cranbrook, B.C. nt hauling (Cat) <u>on</u> :	639.00
one 4X4	truck - 10 days @ \$40/day	400.00
Supplies:	Mud - Gel	152.00
	- Polymer (incl. transport)	1,017.42
	Core boxes (incl. transport)	180.00
	Cap	34.92
	Indirect costs =	6,408.34
	<u>Total Direct + Indirect costs</u> =	\$23,473.79

Signed: P.W. RANSOM

Project Geologist

### APPENDIX B

### Page 2-13

Amount

### STATEMENT OF EXPENDITURES

### DDH 6461

### DIRECT COSTS

Contractor:

Tonto Drilling (B.C.) Ltd. #200 - 3920 Norland Ave. Burnaby, B.C. V5G 4K7

### Item

Mobilization/Demobilization \$ 500.00 10,685.50 Drilling 0-497 Moving 650.00 37.50 Surveys Other 78.00 Materials 631.45 Direct Costs = \$12,582.45

### INDIRECT COSTS

Salaries

		vision, core loggin 10 days @ \$250/day		\$ 2,500.00
Other Contracto	ors:			
W. Barker Contr	acting Ltd., Kim	berley, B.C.		
Site acces	s/Preparation -	D-7 buldozer		
	15.5 h	ours @ \$85/hour		1,317.50
Site clear	n-up Grader	6 hrs. @ \$70/hr.		420.00
Water haul	-	. @ \$40/hr.		1,880.00
Site clear	-	ey, B.C. be 3 hrs. @ \$50/hr.		150.00
<u>Transportation</u> one 4X4 tr	: ruck - 10 days @	\$40/da <b>y</b>		400.00
Supplies:	Mud - Gel			152.00
	- Polymer (	incl. transport)		924.42
	Core boxes (incl	. transport)		195.00
	Cap	-		34.92
	•	Indirect costs	=	7,973.84
		et + Indirect costs	-	\$20,556.29
Signe		@hz		

Signed:

Project Geologist

P.W. RANSOM

### APPENDIX C

# Page 2-14

## STATEMENT OF EXPENDITURES

### DDH 6462

### DIRECT COSTS

Contractor:

Tonto Drilling (B.C.) Ltd. #200 - 3920 Norland Ave. Burnaby, B.C. V5G 4K7

### Item

### Amount

Mobilization/Demobilization	\$ 500.00
Drilling 0-315	6,772.50
Moving	845.00
Field Cost Charges	37.50
Surveys	208.00
Materials	631,45
	Direct Costs = \$ 8,994.45

### INDIRECT COSTS

# Salaries

<u>Salaries</u>				
P.W. Ransom - (	Geologist - superv	vision, core logo	, jing	
1	report writing	8 days @ \$250	)/day	\$ 2,000.00
Other Contracto	ors:			
	racting Ltd., Kim	-		
access/Pre	<pre>sparation - 1 km (</pre>	or road plus site	Э	
	zer 17 hou:	rs @ \$85/hour		1,445.00
plus cat b	nauling			617.50
-	y Hauling (1973)		B.C.	000
Equipment	hauling (Cat/Dri)	[])		366.00
Wright Contract	ting, Cranbrook, 1	3.C Site clear	1-110	626.50
			r	
<u>Transportation</u> :				
one 4X4 ti	ruck - 8 days @ \$4	40/day		320.00
	· · ·			
Supplies:	Mud - Gel			167.00
	-	incl. transport)		585.90
	Core boxes (incl	. transport)		127.50
	Cap			34,92
		Indirect cost	:s =	6,290.32
	Total Diver	t + Indirect cost	.s =	\$15,284,77

Signed

P.W. RANSOM Project Geologist

### APPENDIX D

### Page 2-15

#### STATEMENT OF EXPENDITURES

### DDH 6463

### DIRECT COSTS

Contractor: Tonto Drilling (B.C.) Ltd. #200 - 3920 Norland Ave. Burnaby, B.C. V5G 4K7

### Item

#### Amount

960.00

\$47,361.28

Mobilization/Demobilization	\$ 500.00
Drilling 0-997	22,181.00
Moving	1,300.00
Field Cost Charges	225.00
Surveys	37.50
Other	910.00
Materials	449.79
	Direct Costs = \$25,603.29

### INDIRECT COSTS

Salaries:

P.W. Ransom - Geologist - supervision, core logging, report writing 24 days @ \$250/day \$ 6,000.00

Other Contractors:

Wright Contracting, Cra	nbrook, B.C.	
Site Access/Prepar	ation - 2 km of road plus si	te
D-6 bulldozer	117 hrs. @ \$86.35/hr	10,103.63

Henderson Heavy Hauling (1973) Ltd., Cranbrook, B.C. Equipment hauling - Drill 355.00 Equipment hauling - Cat 427.00

#### Transportation:

one 4X4 truck - 24 days @ \$40/day

Supplies:

pplies:	Mud - Gel	152.00
	- Polymer (incl. transport)	1,854.42
	- Polymer through Tonto	1,285.68
	Core boxes (incl. transport)	397.50
	Cap	34.92
	Freight waterline	187.84
	Indirect costs =	21,757.99

Total Direct + Indirect costs = roon

Signed:-P.W. RANSOM

Project Geologist

#### APPENDIX E

**Page 2-1**6

### STATEMENT OF EXPENDITURES

### DDH 6464

DIRECT COSTS

Contractor: Connors Drilling Ltd. 2007 West Trans Canada Highway Kamloops, B.C. V1S 1A7

Drilling O' - 5701', all invoices

### \$258,413.28

Direct costs = \$258,413.28

#### INDIRECT COSTS

<u>Salaries</u>:

P.W. Ransom -	Geologist - supervision, core logging, report writing 88 days @ \$250/day	\$ 22,000.00
Supplies:	Mud - gel - polymers etc. Core boxes	6,477.00 43,795.94 2,734.71
Transportation		

Geologist 4X4 truck -	88 days @ \$40/day	3,250.00
Transportation of mud	etc.	1,929.48

Cominco Charges:

Road and site construction	7,625.00
Snow clearing	2,460.00
Inter-office freight charges re supplies	492.48
Core racks - Labour	2,185.70
- Materials (est.) + installation	2,000.00
Install radios at drill	360.00
Carpentry work	620.00
Federal and Provincial sales taxes re Cominco work	501.74

Other Contractors:

Crestbrook	Forest Industr	ies, Cranbrook, B.C	
bridge	and culvert i	nstallation	4,374.22
		Indirect costs =	\$100.806.27

Total Direct + Indirect costs = \$359,219.55

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Signed: P.W. RANSOM

Project Geologist

Diamond Drill Geological Log For D.D.H.	6460 Page 1	an an ann an
LAT. 5010 S DEP 0380 N ELEV. 5380 ' DIP: 70° AZIM.: 270° LENGTH: 547'	GENERAL COMMENTS, Sperry Sun Readings	
HORIZ COMP. 187' VERT COMP. 514'	Depth Azimuth(Cor.) Dip	
DATE COLLARED' June 22, 1987 DATE COMPLETED: June 23, 1987 CORE STORAGE: Open Pit Storage Area	<u> </u>	
DRILLED ON CLAIM(S): Rowan Crown Grant		
OBJECTIVE: To test electromagnetic anomaly.		
PLANNED LENGTH' 500 feet		
TERMINATION COMMENTS. No significant sulphide mineralization was		
intersected.		
DRILLED BY: Tonto Drilling (B.C.) Ltd.		Þ
TYPE DRILL' Longyear 38		P P
CORE SIZE NO		Ē
PERFORMANCE COMMENTS, Good productivity; used only WDS-120 Polymer and did not recirculate. Creek supply to shotcrete nool was		ND
insufficient and was necessary to haul water (Barker Contr.)		IX
		· -
		1
CASING REMAINING IN HOLE (LENGTH & SIZE) 70' HWL + Shoe	LOG_LEGEND	
TYPE CAP & SEALING METHOD 6" casing cap	BED THICKNESS CLASSIFICATION Ourse	
	Very Thick Bedded	
OTHER MATERIAL REMAINING IN HOLE. None	100 cm /////	1111 - 11111 - 11111 - 1111 - 1111 - 1111 - 11111 - 11111 - 11111 - 1111
	Thick Bedded	tin a second a second second second
	BEDS Hedlum Bedded 🛛 🗸 🖓 🖓 🛧	
SURVEY INSTRUMENT USED: Sperry Sun Single Shot		
ADDITIONAL DOWN HOLE TESTS:	) cn	
	Very Thin Bedded Litherosic classification	
	Leminated	
	LAHINAE 0.3 cm D.D.H. 6460	
	Thinly Laminated D.D.M. 0400	

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Property			Hole No. DDH6460						
Commenced	Location Core Size		Tests at		or. Comp.				
Completed Co-ordinates	Core Size		Corr. Dip True Brg.		gged by			dio	
Objective			% Recov.	Da		E	ġ		
Objective	······		A NOCOV.	Ua.		Claim	T Brg.	Collar	Elev
Footage Dest From To	cription	· ·	-				lysis	1	
0.0 - 70.0	Overburden		· · · · · · · · · · · · · · · · · · ·		. <u></u>				
								ļ.	$\square$
70.0 - 115.0	Heavily weathered see medium bedded with scat (very top 3 feet or mud and rock fragments.	ttered dendritic a nly) and pitted (	staining; some par (pyrrhotite disso	rtially weat lution); rem	hered is bleache	• 🕒			
) 	-	-					+-	1	
115.0 - 117.5	Wacke, thin medium and dendritic staining the core 76°.								
117.5 - 137.0	Wacke, medium grey, med					.	╋		
	are sharp to distinct one to two cm thick.								
	present disseminated	in parts of ac	ost bedaş some di:	ssolution an	d decomposition		+		┢
р	of pyrrhotite; some fir up to about 1 mm across					'  -	+	+	$\vdash$
137.0 - 155.0	Quertz wacke, lesser w	acke, thick bedd	led with a few =	dium beda.	Redius to licht		+		┢
	grey, contacts general]	y distinct and fl	at (some vague),	, one bad	noted with fine		Γ		
	quartz grains. Argi] not abundant. Minor de		e tops 1-10 cm ( Bedding to core				L		
155.0 - 164.0	Wacke and quartz wacke,	. medium grey, med	lius to thin bed	ded, beds a	raded with 1-3			1	L_
	cm argillite or subwat and faintly laminated b	ke tops. Nany b	eds are composite	• with massi	ve central part		+	<u> </u>	<u> </u>
	contacts sharp and fla	it. Pyrrhotite c					+		-
	beds. Bedding to core	800 9 162'.				-	+	+	┢
164.0 - 178.5	Guartz wacke with 20% w		; medium and f	thick bedde	d (with a few		+	+	+
	thin beds); hed contact	a share te distin	et and flate too			P			
Drill Hole Reco	thin beds); bed contact	s sharp to distin	ict and flat; top:	• of argilli				<u>+</u>	
Drill Hole Recc	<u> </u>	- 		• of argilli	te or subwacke				
Property	District		tole No. DDH6460	of argilli	te or subwacke	····			
Property Commenced	District		tole No. DDH6460 Fests at	of argilli	Page 3				
Property Commenced Completed	District		icle No. DDH6460 Fests at Corr. Dip	of argilli	Page 3			90	
Property Commenced Completed Co-ordinates	District		icie No. DDH6460 Fests at Corr. Dip True Brg.	e of argilli	Page 3			lar Dip	
Property Commenced Completed Co-ordinates	District		icle No. DDH6460 Fests at Corr. Dip	of argilli	Page 3			Collar Dip	Elev.
Property Commenced Completed Co-ordinates Objective Potage Desc	District		icie No. DDH6460 Fests at Corr. Dip True Brg.	e of argilli	Page 3			Collar Dip	Elev.
Property Commenced Completed Co-ordinates Objective Potage Desc rom To	ription	      	icle No. DDH6460 Tests at Corr. Dip True Brg. & Recov.	e of argilli Bon How Ver Log Dat	te or subwacke			Collar Dip	Elev.
Property Commenced Completed Co-ordinates Objective Peologe Desc	District Location Core Size	Pyrrhotite et be	icle No. DDH6460 Tests at Corr. Dip True Brg. & Recov.	e of argilli Bon How Ver Log Dat	te or subwacke			Cottar Dip	Elev.
Property Commenced Completed Co-ordinates Objective restage Desc rom Te 164.0 - 178.5	ription generally 1-2 cm thick. Bedding to core 82° 9 1 Vacke, subwacke, argill	Pyrrhotite at be 70'. ite 70%, sedium te	Hole No. DDH6460 Fests at Corr. Dip Frue Brg. % Recov.	e of argilli Bon How Ver Log Dat and dissemin ry distinct]	Page 3 Page 3 r. Comp. r. Comp.			Cottar Dip	Elev.
Property Commenced Completed Co-ordinates Objective Polage From To Desc Polage Desc Polage To 164.0 - 178.5 Cont'd	prd District Location Core Size ription generally 1-2 cm thick. Bedding to core 82° # 1 Vacke, subwacke, argill with sharp and flat b	Pyrrhotite at bo 70'. ite 70%, medium to ed contacts, mom	iole No. DDH6460 Fests at Corr. Dip Frue Brg. & Recov. ase of some beds o light grey, ve t beds are compos	Hore the second	ninco Page 3 Page 3 r. Comp. r. C			Collar Dip	
Property Commenced Completed Co-ordinates Objective Polage From To Desc Polage Desc Polage To 164.0 - 178.5 Cont'd	prd District Location Core Size ription generally 1-2 cm thick. Bedding to core 62° # 1 Vacke, subwacke, argill with sharp and flat b argillite tops and very Guartz wacke 30% as	Fyrrhotite at be 70'. ite 70%, medium to d contacts, medium faintly and thin thick or medium	tole No. DDH6460 Tests at Corr. Dip True Brg. % Recov. ase of some beds o light grey, ve t beds are compos by leminated dark m beds throughout	Hor Hor Ver Los Dat and dissessin ry distinctl ite with 1-3 wacke bases the interver	Page 3 Page 3 A Comp. A Com			Coltar Dip	
Property Commenced Completed Co-ordinates Objective Polage From To Desc Polage Desc Polage Desc Polage Desc Polage Desc Polage Desc Polage Desc Polage Desc Polage Desc Polage Po	prd District Location Core Size ription generally 1-2 cm thick. Bedding to core 82° 9 1 Wacke, subwacke, argill with sharp and flat b argillite tops and very Quartz wacke 30k as is weakly to moderately	Pyrrhotite at bo 70'. ite 70%, sedium to ad contacts, most faintly and thin thick or medium disseminated in	tole No. DDH6460 Tests at Corr. Dip True Brg. % Recov. ase of some beds o light grey, ve t beds are compos by leminated dark m beds throughout	Hor Hor Ver Los Dat and dissessin ry distinctl ite with 1-3 wacke bases the interver	Page 3 Page 3 A Comp. A Com			Cottar Dip	
Property Commenced Completed Co-ordinates Dbjective Prom To Desc Tom To 164.0 - 178.5 Cont'd 178.5 - 208.5	District Location Core Size iption generally 1-2 cm thick. Bedding to core 82° 8 1 Wacke, subwacke, argill with sharp and flat b argillite tops and very Quartz wacke 30% as is weakly to moderately core 78° 8 180' and 85°	Pyrrhotite at be 70'. ite 70%, sedium tr ed contacts, most faintly and thin thick or medium disseminated in @ 200'.	iole No. DDH6460 Tests at Corr. Dip True Brg. K Recov. Asse of some beds o light grey. ve t beds are compos ly leminated dark m beds throughout some of both ty	Hore and dissenir and dissenir bite with 1-3 wacke bases the interver pes of beds	Page 3 Page 3 Page 3 A Comp. A Comp			Collar Dip	
Property Commenced Completed Co-ordinates Objective Polage From To Desc Polage Desc Polage Desc Polage Desc Polage Desc Polage Desc Polage Desc Polage Desc Polage Desc Polage Po	prd District Location Core Size mption generally 1-2 cm thick. Bedding to core 82° # 1 Wacke, subwacke, argill with sharp and flat b argillite tops and very Quartz wacke 30% as is weakly to moderately core 78° # 160' and 85° Quartz wacke, medium g bed contacts sharp, mos	Pyrrhotite at bo 70'. ite 70%, medium to ad contacts, most faintly and thin. thick or medium disseminated in a 200'. rey, medium beddo t flat, at least	tole No. DDH6460 Tests at Corr. Dip True Brg. K Recov. ase of some beds to light grey, ve t beds are compose ty leminated dark mode throughout some of both ty ed with a few t one is wavy.	and dissemination of argilli	Page 3 Page 3 Page 3 r. Comp. r.			Cottar Dip	
Property Commenced Completed Co-ordinates Dbjective colage rom To 164.0 - 178.5 Cont'd 178.5 - 208.5	District Location Core Size iption generally 1-2 cm thick. Bedding to core 82° 8 1 Wacke, subwacke, argill with sharp and flat b argillite tops and very Quartz wacke 30% as is weakly to moderately core 78° 8 180° and 850 Quartz wacke, medium g bed contacts sharp, mos beds, internal paralls cross-laminated. Pyrth	Pyrrhotite at be 70'. ite 70%, sedium to d contacts, most faintly and think thick or medium disseminated in # 200'. rey, medium bedde t flat, at least l laminations moto otite present mean	iole No. DDH6460 Tests at Corr. Dip True Brg. K Recov. ase of some beds o light grey. ve t beds are compos ly laminated dark meds throughout some of both ty ed with a few t one is wavy. ted in some beds or the bases of mo	How very loss of a regilli How very loss of a regilling the second seco	Page 3 Page 3 A Comp. A Com			Coltar Dip	
Property Commenced Completed Co-ordinates Dbjective Dolective Tom To 164.0 - 178.5 Cont'd 178.5 - 208.5	District Location Core Size iption generally 1-2 cm thick. Bedding to core 82° 9 1 Wacke, subwacke, argill with sharp and flat b argillite tops and very Quartz wacke 30% as is weakly to moderately core 78° 9 180' and 85° Quartz wacke, medium g bed contacts sharp, mea	Pyrrhotite at be 70'. ite 70%, sedium to d contacts, most faintly and think thick or medium disseminated in # 200'. rey, medium bedde t flat, at least l laminations moto otite present mean	iole No. DDH6460 Tests at Corr. Dip True Brg. K Recov. ase of some beds o light grey. ve t beds are compos ly laminated dark meds throughout some of both ty ed with a few t one is wavy. ted in some beds or the bases of mo	How very loss of a regilli How very loss of a regilling the second seco	Page 3 Page 3 A Comp. A Com			Cottar Dip	
Property Commenced Completed Co-ordinates Objective example form To 164.0 - 178.5 Cont'd 178.5 - 208.5 208.5 - 235.0	District Location Core Size iption generally 1-2 cm thick. Bedding to core 82° 9 1 Wacke, subwacke, argill with sharp and flat b argillite tops and very Quartz wacke 30% as is weakly to moderately core 78° 9 180' and 85° Quartz wacke, medium g bed contacts sharp, mos beds, internal paralls cross-lasinated. Pyrth in some. Bedding to co Wacke, subwacke, argil	Pyrrhotite at ba 70'. ite 70%, sedium ta faintly and think thick or medium disseminated in 0 200'. rey, medium bedda t flat, at least 1 laainations not otite present neas re 84° 0 215', 86' lite 70%, medium	iole No. DDH6460 fests at Corr. Dip True Brg. K Recov. ase of some beds b light grey, ve t beds are compose ly leminated dark beds throughout some of both ty ed with a few t one is wavy. ted in some beds r the bases of mo 9 235'. to light grey, w	Horizant dissessive the interverse of beds were distinct.	Page 3 Page 3 A Comp. A Com			Collar Dip	
Property Commenced Completed Co-ordinates Objective toon To 164.0 - 178.5 Cont'd 178.5 - 208.5 208.5 - 235.0	District Location Core Size	Fyrrhotite at be 70'. ite 70%, medium to ad contacts, meas faintly and thin thick or medium disseminated in # 200'. rey, medium bedde t flat, at least 1 leminations not otite present neas re 64° # 215', 660 lite 70%, medium contacts; medium	tole No. DDH6460 Tests at Corr. Dip True Brg. K Recov. ase of some beds o light grey, ve t beds are compose ly leminated dark a beds throughout some of both ty ed with a few t one is wavy. ted in some beds r the bases of mo O B 235'. to light grey, w eds are composite tes some of which	and dissemir the interve pes of beds the interve pes of beds the interve pes of beds	Page 3 Page 3 r. Comp. r. Comp.			Cottar Dip	
Property Commenced Completed Co-ordinates Objective toon To 164.0 - 178.5 Cont'd 178.5 - 208.5 208.5 - 235.0	District Location Core Size Core Size iption generally 1-2 cm thick. Bedding to core 82° # 1 Wacke, subwacke, argill with sharp and flat b argillite tops and very Guartz wacke 30% as is weakly to moderately core 78° # 180' and 85° Guartz wacke, medium g bed contacts sharp, most beds, internal paralla cross-laminated. Pyrrh in some. Bedding to co Wacke, subwacke, argil with sharp and flat bed tops and dark grey inte some beds are graded wa	Pyrrhotite at be Pyrrhotite at be 70'. ite 70%, medium the sed contacts, most faintly and thin thick or medium disseminated in 8 200'. rey, medium bedde t flat, at least 1 laminations not otite present near re 84° \$ 215', 660 lite 70%, medium contacts; most be rturbidite laminations cke with disseminations cke with cke	iole No. DDH6460 Tests at Corr. Dip True Brg. K Recov. ase of some beds o light grey, ve t beds are compose ly leminated dark m beds throughout some of both ty ed with a few t one is wavy. ted in some beds r the bases of mo 9 235'. to light grey, w ets are composite tes some of which ated pyrrhotite (	and dissemin the with 1-3 wack bases the interve pes of beds hick and a Grading is , one narrow st beds; we with light have disses	Page 3 Page 3 Page 3 r. Comp. 1. Comp. 1. Comp. ped by 1. Comp. ped by 1. Comp. ped by 1. Comp. 2. Comp. 1. Comp. 2. Comp. 1. Comp. 2. Comp.			Coltar Dip	
Property Commenced Completed Co-ordinates Objective rom Te Desc rom Te 164.0 - 178.5 Cont'd 178.5 - 208.5	District Location Core Size ription generally 1-2 cm thick. Bedding to core 82° # 1 Wacke, subwacke, argill with sharp and flat b argillite tops and very Guartz wacke 30% as is weakly to moderately core 78° # 180° and 85° Cuartz wacke, medium g bed contacts sharp, mos beds, internal paralls cross-laminated. Pyrrh in some. Bedding to co Wacke, subwacke, argil with sharp and flat bed tops and dark grey inte some beds are graded wa in the middle). Guart	Pyrrhotite at by 70'. ite 70%, sedium tr ed contacts, most faintly and thin thick or medium disseminated in # 200'. rey, medium bedde t flat, at least 1 laminations not otite present near re 84° # 215', 860 lite 70%, medium contacts; most by rturbidite laminations cke with disseminations re sort cross-laminations sort cross-laminations re sort cross-lami	iole No. DDH6460 Tests at Corr. Dip True Brg. K Recov. ase of some beds o light grey, ve t beds are composite t beds are composite t beds throughout some of both ty ed with a few t one is wavy. ted in some beds r the bases of mo 9 235'. to light grey, w eds are composite tes some of which ated pyrrhotite ( dium grey, medium nations noted;	Hot Hot Ver Loc Data and dissessive and dissessive the interver pes of beds the interver pes of beds hick and a Grading is , one narrow at beds; were ory distinct have dissessive to thick be pyrrhotite	Page 3 Page 3 A. Comp. A. Comp.			Coltar Dip	
Property Commenced Completed Co-ordinates Dbjective sociege Desc rom To 164.0 - 178.5 Cont'd 178.5 - 208.5 208.5 - 235.0 235.0 - 255.0	District Location Core Size Core Size	Pyrrhotite at be 70'. 11e 70%, sedium tr 10e contacts, mosi faintly and thin thick or medium disseminated in 200'. rey, medium bedde t flat, at least 1 lasinations mod otite present near re 84° 213', 86' lite 70%, medium contacts; most be rturbidite lamination cke with dissemination media 30%, media ne or cross-lamin pyrrhotite lamination	iole No. DDH6460 fests at Corr. Dip True Brg. K Recov. ase of some beds o light grey, ve t beds are composi- ly leminated dark a beds throughout some of both ty ed with a few t one is wavy. ted in some beds r the bases of mo 0 2 235'. to light grey, we ds are composite tes some of which ated pyrrhotite ( dium grey, medium nations noted; a at 241'. Beddi	e of argilli COM How Ver Log Dat and dissemin ry distinctl ite with 1-3 wacke bases the interver pes of beda hick and a Grading is , one narrow set beds; were very distinctly hick and a Grading is , one narrow to thick be pyrrhotite ing to core 6	Page 3 Page 3 A Comp. A Com				
Property Commenced Completed Co-ordinates Dbjective rom To 164.0 - 178.5 Cont'd 178.5 - 208.5 208.5 - 235.0	District Location Core Size inption generally 1-2 cm thick. Bedding to core 82° 9 1 Vacke, subwacke, argill with sharp and flat b argillite tops and very Guartz wacke, argill with sharp and flat b argillite tops and very Guartz wacke 30% as is weakly to moderately core 78° 9 180' and 85° Guartz wacke, medium y bed contacts sharp, most beds, internal paralls cross-leminated. Pyrth in some. Bedding to con Wacke, subwacke, argill with sharp and flat bed tops and dark grey inter some beds are graded wa in the middle). Guart graded; faint leminatio the bases. 1-2 am wide Guartz wacke, medium t	Pyrrhotite at be 70'. ite 70%, sedium tr sed contacts, most faintly and think thick or medium disseminated in # 200'. rey, medium bedde t flat, at least 1 laminations not otite present near re 84° # 215', 86' lite 70%, medium contacts; most be rturbidite laminat contacts; most be rturbidite laminat	tole No. DDH6460 Tests at Corr. Dip True Brg. X Recov. ase of some beds o light grey, ve t beds are composite t beds throughout some of both ty ed with a few t one is wavy. ted in some beds r the bases of mo 0 2 235'. to light grey, w eds are composite tes some of which ated pyrrhotite ( dium grey, medium nations noted; a at 241'. Beddi edium and thick	and dissemir with 1-3 wacks bases the interver pes of beds hick and a Grading is , one narrow with light hick disses afew are c to thick be pyrrhotite ing to core if bedded with	Page 3 Page 3 A Comp. A Com				
Property Commenced Completed Co-ordinates Dbjective sociege Desc rom To 164.0 - 178.5 Cont'd 178.5 - 208.5 208.5 - 235.0 235.0 - 255.0	District Location Core Size Core Size ription generally 1-2 cm thick. Bedding to core 82° # 1 Wacke, subwacke, argill with sharp and flat be argillite tops and very Guartz wacke, argill with sharp and flat be is weakly to moderately core 78° # 180' and 85° Guartz wacke, medium y bed contacts sharp, non- beds, internal paralla cross-laminated. Pyrrh in some. Bedding to co Wacke, subwacke, argil with sharp and flat bed tops and dark grey inte some beds are graded wa in the middle). Guart graded; faint laminatio the bases. 1-2 am wide Guartz wacke, medium t bed contacts sharp to	Pyrrhotite at be Pyrrhotite at be 70'. ite 70%, sedium te ad contacts, mosi faintly and thin thick or medium disseminated in 8 200'. rey, medium bedde t flat, at least 1 laminations not otite present mean re 84° 8 215', 860 lite 70%, medium contacts; most be rturbidite laminat che with disseminations pyrrhotite laminations o light greys medium distinct and file merallel high floo	iole No. DDH6460 Tests at Corr. Dip True Brg. K Recov. ase of some beds o light grey, ve t beds are composi- ly leminated dark a beds throughout some of both ty ed with a few t one is wavy. ted in some beds r the bases of mo 9 235'. to light grey, w eds are composite tes some of which ated pyrrhotite ( dium grey, medium nations noted; a at 241'. Beddi edium and thick at; vague Boums	and dissemir warke bases the intervery period beday warke bases the intervery period beday bedag ware to thick be pyrrhotite ing to core if bedded with subdivision	Page 3 Page 3 Page 3 r. Comp. 1. Comp. 1. Comp. 1. Comp. 2. Comp. 1. Comp. 2. Comp. 1. Comp. 2.	• 3			
Property         Commenced         Completed         Co-ordinates         Objective         source         Disc         rom         To         164.0 - 178.5         Cont'd         178.5 - 208.5         208.5 - 235.0         235.0 - 255.0	District Location Core Size inption generally 1-2 cm thick. Bedding to core 82° 9 1 Vacke, subwacke, argill with sharp and flat b argillite tops and very Guartz wacke, argill with sharp and flat b argillite tops and very Guartz wacke 30% as is weakly to moderately core 78° 9 180' and 85° Guartz wacke, medium y bed contacts sharp, most beds, internal paralls cross-leminated. Pyrth in some. Bedding to con Wacke, subwacke, argill with sharp and flat bed tops and dark grey inter some beds are graded wa in the middle). Guart graded; faint leminatio the bases. 1-2 am wide Guartz wacke, medium t	Pyrrhotite at be 70'. ite 70%, sedium tr ed contacts, most faintly and think thick or medium disseminated in 200'. rey, medium bedde t flat, at least 1 laminations not otite present near re 84° # 215', 860 lite 70%, medium contacts; most be rturbidite laminated re with disseminated re worke 30%, medium a sor cross-lamin pyrrhotite laminated o light grey; medium distinct and flip perallel high flow	iole No. DDH6460 Tests at Corr. Dip True Brg. K Recov. ase of some beds o light grey, ve t beds are composite t beds throughout some of both ty ed with a few t one is wavy. ted in some beds or the bases of mo 0 235'. to light grey, we ds are composite tes some of which ated pyrrhotite ( dium grey, medium nations noted; a at 241'. Beddi edium and thick at y wague Bouns w regime lass); p ar bases of beds.	How How How How Ver Loc Data and dissessive and dissessive the interver pes of beds the interver pes of beds hick and a Grading is , one narrow the dissessive ery distinct hick and a Grading is , one narrow the hight have dissessive to thick beds; we bedded with subdivision syrrhotite ac Bedding to	Page 3 Page 3 A Comp. A Com	• 3			

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		Hole No. DDH6460	<b>\$~\$</b>	Page 4				
Property	District	Hole No. DDH6460 Tests at				ļ		
	Location Core Size	Corr. Dip	Hor. Comp. Vert. Comp.					
		True Brg.	Logged by				a	
Co-ordinates		% Recov.	Date		E	ġ		Ι.
Objective			Uale	······		T Brg.	Collar	Elev.
Footage De	scription	, <del>Maran, Manazara</del> an / ar <del>na ar ng dular</del>			Anal	ysis	1	T
270.0 - 285.0	in most thin quartz wacke beda	s and weakly disseminated i	n the thicker quart	z wacke				
Cont'd.	beda; some is electrically of fine parallel, flat laminat	conductive 1-2 cm parallel	to bedding. Severa	1 types				Ľ
	core 88° 8 282'.	CIONS OCCUP DVSF & ISW NA	up to 10 cm. Bed	ding to		$\vdash$		
285.0 - 305.5	Quartz wacke 70%, wacke with	Rinor subwacke and argilli	te 30%; sedius grev;	nedius				
	bedded with a few thick and wacke) has very fine and	a few thin beds; about 2	5% interval (mostly	quartz	·	┨──	+	-
	an angular discordance that do	ces not appear to be a	synsedimentary fau	lt but.				-
	possibly, cross-laminations sharp to distinct and flat to	that are not tangential	at the base); bed c	ontacts	- <del>  -</del>	╂		╀
	disseminated in most beds (ea	specially 10 cm at 3030 and	in a minor slump at	2961);			╂	╀╴
	pyrrhotite is electrically con Bedding to core 89° @ 296'.	nnected across diameter o	f core in a few ;	places.		┣─	╉	╀
		-					+	╋
305.5 - 327.5	Quartzwacke and wacke, medium is laminite generally in medium					1-		+
	or siltstone parting 0.3 1 with a few thin but continuous	to 4 cm. Pyrrhotite is ty	pically weakly disse	minated		1	+	+
	320.0; the seams are elect					1	+	+
	85° 8 322'.					$\mathbf{T}$	+	ϯ
327.5 - 359.0	Quartzwacke and wacke alternat					1	1	1
	medium bedded with some the contacts distinct to vague and					Γ	T	T
	to determine; pyrrhotite is we	eakly disseminated in some :	beds, coarsely disse	minated		Γ	Τ	Т
	at the bases of several beds, lamalise 0.5 to 3 mm wide							
	(331.5'). Bedding to core @ 3	330' and 86° <b>8</b> 356'.						
	Ownerhouseles and weather and the	ment that and matters it			1	1	1	1
359.0 - 382.0	Quartzwacke and wacke, medium					<b>_</b>	+	+-
	sharp to vague and flat; about					<u> </u>		<u>+</u> 
359.0 - 382.0 Drill Hole Rec	sharp to vague and flat; about		te in which about 5x					
	sharp to vague and flat; about		te in which about 5x	1.	-			
Drill Hole Rec	sharp to vague and flat; about cord District Location	t 70% of interval is lamini Hole No. DDH6460 Tests at	te in which about 5x ComminCo Hor. Comp.	1.				
Drill Hole Rec	sharp to vague and flat; about cord District	t 70% of interval is lamini Hole No. DDH6460 Tests at Corr. Dip	te in which about 5x Cominco Hor. Comp. Verl. Comp.	1.				
Drill Hole Rec Property Commenced	sharp to vague and flat; about cord District Location	t 70% of interval is lamini Hole No. DDH6460 Tests at Corr. Dip True Brg.	te in which about 5x Common Hor. Comp. Vert. Comp. Logged by	1.				
Drill Hole Rec Property Commenced Completed	sharp to vague and flat; about cord District Location	t 70% of interval is lamini Hole No. DDH6460 Tests at Corr. Dip	te in which about 5x Cominco Hor. Comp. Verl. Comp.	1.		Brg.		clov.
Drill Hole Rec Property Commenced Completed Co-ordinates Objective Frootage Det	sharp to vague and flat; about cord District Location	t 70% of interval is lamini Hole No. DDH6460 Tests at Corr. Dip True Brg.	te in which about 5x Common Hor. Comp. Vert. Comp. Logged by	1.		T Brg.		Elev.
Drill Hole Rec Property Commenced Completed Co-ordinates Objective From Te	sharp to vague and flat; about cord District Location Core Size	Hole No. DDH6460 Tests at Corr. Dip True Brg. % Recov.	te in which about 5x ComminCo Hor. Comp. Vert. Comp. Logged by Daie	15 Page 5		T Brg.		Elev.
Drill Hole Rec Property Commenced Completed Co-ordinates Objective Frootage Det	sharp to vague and flat; about cord District Location Core Size scription argillite as bands 1 to 10 m pyrrhotite is weakly to moder.	Hole No. DDH6460 Tests at Corr. Dip True Brg. % Recov.	te in which about 5x Comments Hor. Comp. Vert. Comp. Logged by Date	is Page 5 Intacts; yrrhotite		T Brg.		Elev.
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Drill Hole Rec Property Commenced Completed Co-ordinates Objective Footage From To 359.0 - 382.0 Cont'd. 382.0 - 421.5	sharp to vague and flat; about District Location Core Size Core Size argillite as bands 1 to 10 m pyrrhotite is weakly to moder blabs (to 2X5 m) concentral lamellas 0.5 to 3 mm wide. Bu Guartz arenite, very light gro- are sharp, generally way, se mation of beds; grains in mos interval is argillaceous to wacke, subwacke, argillite; p beds and in steep cross-cut 81° # 387', 80° #418'. Entra Guartzwacke, possible some of 0.5 - 1 cm thick and predomin medium grey, 30× leminite, me generally flat (large flame in 20 cm bed at 432'), dend in shout half of the non to bedding in some leminated Ouertzwacke, two thick (46 cm	Hole No. DDH6460 Tests at Corr. Dip True Brg. % Recov. % Reco	Hor. Comp. Hor. Comp. Vert. Comp. Vert. Comp. Logged by Daie Daie Daie Antiperiod bottom co beds, some coarser p beds, and some pyr redium beds. Bed co indicating probable indicating pr	is Page 5 Page		T Brg.		
Drill Hole Rec Property Commenced Completed Co-ordinates Objective Footage To 359.0 - 382.0 Cont'd. 382.0 - 421.5 421.5 - 440.0	sharp to vague and flat; about District Location Cors Size Scription argillite as bands 1 to 10 m pyrrhotite is weakly to moder blebs (to 2X5 mm) concentrat lamellee 0.5 to 3 mm wide. Bu Guartz arenite, very light gr are sharp, generally wavy, se mation of beds; grains in most interval is argillaceous to wacke, aubwacke, argillite; p beds and in steep cross-cut 81° 8 387', 80° 8418'. Entra Guartzwacke, possible some 0.5 - 1 cm thick and predesit medium grey, 30% leminite, me generally flat (large flame in 20 cm bed at 432'), dend in shout half of the non to bedding in some laminated Guartzwacke, two thick (46 cm wacke, thin beds and laminite	Hole No. DDH6460 Tests at Corr. Dip True Brg. % Recov. % Recov. % Recov. ************************************	te in which about 5x ComminCo Hor. Comp. Vert. Comp. Vert. Comp. Logged by Daie Daie Logged by Daie at top and bottom co beds, some coarser p beds, and some pyr medium beds. Bed c indicating probable to sand size; about stz arenits, quartzwint disaminations srtz weins. Bedding 30 cm bed # 375'. Wwacke/argillite top intervals up to 20 cm ad contacts sre sh 436', dark srgillite top sho cons 65° # 437' by 80 cm of wacke and sharp and flat. Sc	is Page 5 Page		T Brg.		
Drill Hole Rec Property Commenced Completed Co-ordinates Objective Focuse Focuse To 359.0 - 382.0 Cont'd. 382.0 - 421.5 421.5 - 440.0 440.0 - 446.5	barp to vague and flat; about District Location Core Size Core Size argillite as bands i to 10 m pyrhotite is weakly to moder blebs (to 2X5 mm) concentral lamelies 0.5 to 3 mm wide. Bu Quartz arenite, very light gra- are sharp, generally way, see mation of beds; grains in most interval is argillaceous to wacke, aubwacke, argillite; p bede and in steep cross-cut 81° g 387', 80° G418'. Entra- Quartzwacke, possible some 0.5 - 1 cm thick and predominant medium grey, 30% leminite, me generally flat (large flame in 20 cm bed at 432'), dend in shout half of the non to bedding in some leminated Quartzwacke, two thick (46 cm wacke, thin beds and laminite pyrhotite in the non-laminit	Hole No. DDH6460 Tests at Corr. Dip True Brg. % Recov. % Reco	Hor. Comp. Hor. Comp. Verl. Comp. Logged by Date Mor. Comp. Logged by Date Mor. Comp. Logged by Date Mor. Comp. Logged by Date Additional states and bottom co beds, some coarser p beds, and some pyr redium beds. Bed co indicating probable is sand size; about ortz arenite, quartive and size; about ortz arenite, quartive and size; about artz veins. Bedding 30 cm bed @ 375'. Weacke/argillite top Intervals up to 20 cm and contacts are sh 436', dark srgillite bed bases, and is p is bed bases, and is p ig to core 85° @ 437' by 80 cm of weake and s sharp and flat. Sc tops of thick beds.	is Page 5 Page 5 P		T Brg.		
Drill Hole Rec Property Commenced Completed Co-ordinates Objective Footage To 359.0 - 382.0 Cont'd. 382.0 - 421.5 421.5 - 440.0	sharp to vague and flat; about District Location Cors Size cription argillite as bands 1 to 10 m pyrrhotite is weakly to moder blebs (to 2X5 ma) concentral lamellae 0.5 to 3 mm wide. Bu Guartz arenite, very light gri are sharp, generally wavy, see mation of beds; grains in moss interval is argillaceous to wacke, aubwacke, argillite; p beds and in steep cross-cut 810 8 387', 800 8418'. Entra Guartzwacke, possible some 0.5 - 1 cm thick and predomin medium grey, 30% laminite, me generally flat (large flame in 20 cm bed at 432'), dend in about half of the non to bedding in som laminated Guartzwacke, two thick (46 cm wacke, thin beds and laminite pyrhotite in the non-laminit Wacke, minor subwacke, argill laminite with subwacke/argill	Hole No. DDH6460 Tests at Corr. Dip True Brg. % Recov. True Brg. % Recov. True Brg. % Recov. True Brg. % Recov. ted near bases of several hedding to core 86° # 370'. rey, thick bedded with a few weral beda have soft spots and thin beds of que yerhotite present as fai ting zones and narrow que ined clast 10 cm across in quartz arenite, with sub mantly subwacke/argillite in dium and thin bedded, be at base of 30 cm bed at tritic sottling in some be a-laminite beds, often near subwacke/argillite. Beddin a 6 63 cm) beds, separated bo , medium grey, bed contacts beds paced generally	Hor. Comp. Hor. Comp. Vert. Comp. Vert. Comp. Logged by Daie Daie Logged by Daie A comparison of the second seco	is Page 5 Page 5 Pa		T Brg.		
Drill Hole Rec Property Commenced Completed Co-ordinates Objective Focuse Focuse To 359.0 - 382.0 Cont'd. 382.0 - 421.5 421.5 - 440.0 440.0 - 446.5	barp to vague and flat; about District Location Core Size argillite as bands 1 to 10 m pyrhotite is weakly to moder blebs (to 2X5 mm) concentral lamelise 0.5 to 3 mm wide. Bu Quartz arenite, very light gr are sharp, generally way, se mation of beds; grains in mos interval is argillaceous to wacke, aubwacke, ergillite; p bede and in steep cross-cut 81° 8 387', 80° 6418'. Entra Quartzwacke, possible some 0.5 - 1 cm thick and predomin medium grey, 30% laminite, me generally flat (large flame in 20 cm bed at 432'), dend in shout helf of the non to bedding in some laminite pyrrhotite in the non-laminit Wacke, minor subwacke, argill laminite with subwacke/argill laminite with subwacke/argill laminite with subwacke/argill	Hole No. DDH6460 Tests at Corr. Dip True Brg. % Recov. % Reco	Hor. Comp. Hor. Comp. Vert. Comp. Vert. Comp. Logged by Date Logged by Date Notes and bottom co beds, some coarser p beds, some coarser p to coarser set bout so bed \$ 375'. Weacke/argillite top intervals up to 20 cm of contacts sre sht case and is p bed bases, and is p ing to core 85° \$ 437' by 80 cm of wacks and is sharp and flat. So cops of thick beds. a to dark grey, predc y at 1 to 30 cm inter bed bases the case of the coarser a to dark grey, predc	is Page 5 Page		T Brg.		
Drill Hole Rec Property Commenced Completed Co-ordinates Objective Focuse Focuse To 359.0 - 382.0 Cont'd. 382.0 - 421.5 421.5 - 440.0 440.0 - 446.5	sharp to vague and flat; about District Location Cors Size cription argillite as bands 1 to 10 m pyrrhotite is weakly to moder blebs (to 2X5 ma) concentral lamellae 0.5 to 3 mm wide. Bu Guartz arenite, very light gri are sharp, generally wavy, see mation of beds; grains in moss interval is argillaceous to wacke, aubwacke, argillite; p beds and in steep cross-cut 810 8 387', 800 8418'. Entra Guartzwacke, possible some 0.5 - 1 cm thick and predomin medium grey, 30% laminite, me generally flat (large flame in 20 cm bed at 432'), dend in about half of the non to bedding in som laminated Guartzwacke, two thick (46 cm wacke, thin beds and laminite pyrhotite in the non-laminit Wacke, minor subwacke, argill laminite with subwacke/argill	Hole No. DDH6460 Tests at Corr. Dip True Brg. X Recov. X Reco	Hor. Comp. Hor. Comp. Vert. Comp. Vert. Comp. Logged by Daie Daie Daie Antiper and bottom co beds, some coarser p beds, and some pyr medium beds. Bed co indicating probable to sand size; about start arenite, quartzw int disseminations strz weins. Bedding 30 cm bed # 375'. Wacke/argillite top intervals up to 20 cm ind contacts sre sh 435', dark srgillite ds. Pyrrhotite is beds. and is g ig to core 85° # 437' by 80 cm of wacke and is sharp and flat. Sc tops of thick beds. a to dark grey, predce a to dark grey, predce a to dark grey predce a to dark grey predce to a sharp and flat. Sc tops of thick beds.	is Page 5 Page		T Brg.		

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Property		District		lote No. DDH6460					<b>.</b> .	1	
Commenced		Location		ests at	Hor. C			1		1	
Completed		Core Size		Corr. Dip	Vert. (				•		
Co-ordinates			1	rue Brg.	Logge	ad by		<u>.</u>	<u>a</u>		
Objective			9	6 Recov.	Date			T Brg.	Collar	Elev.	
	scription		<u>.</u>		r			lysis	10	<u>jw</u> 7	
From To	•							+	+-	┼─	-
486.0 - 490.4					by biotitic la acke beds, gener			1-			
	parallel to	cleavage. To	p 20 cm brecciat	ed, some calcit	te veining.						
490.4 - 498.3	irregular (	loading/flames and 15° to co	etc.), wacke,	subwacke/ argi	ded, contacts llite tops to 30 across with gar	cm. Quartz					
498.3 - 500 <b>.0</b>	laminated,	few faint pyrr		nd wisps (low	ated, lower port er portion is						_
500.0 - 522.0	Quartz are	nite, minor (	wacke/subwacke/a	rgillite grad	ed tops and int	erbeds to 20		╀		+-	
·	cm, light is 1.75 me	grey, medium ( sters and cont	grained, thick ains a 15 cm s	and very thick action with d	k bedded. The isseminated pyrr	thickest bed hotie. From		1		1	_
		' is ginor wea			fractures. Bed					Γ	
											_
522.0 - 526.5	0.5 feet of	[ core, only go	uge, recovered.	Parting (faul)	t) is 50°,						
526.5 - 547.0					idation on fract			1		1	
					contacts vague 35' a strange be			1		$\vdash$	
	may be indi				ents. Bedding			4-		1	
	€ 532′.				,						_
								1	1	1	
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			• END OF HOLE ••	***				1-	1_	-	
Drill Hole Rec	cord		• END OF HOLE ••		IComu	100 Page 7					
	cord				Comin	1 <b>CD</b> Page 7					
Property	cord	District	•		Gamin Hor. C						
Property Commenced	cord	District Location	4	iole No. DDH6460	<b>~</b>	iomp.					
Property Commenced Completed	cord	District		iole No. DDH6460 iests at Corr. Dip	Hor. C Vert. (	comp.			d d		
Property Commenced Completed Co-ordinates	cord	District Location		iole No. DDH6460 ests at corr. Dip rue Brg.	Hor. C Vert. C Logge	comp.					
Property Commenced Completed	cord	District Location		iole No. DDH6460 iests at Corr. Dip	Hor. C Vert. (	comp.		T Brg.	Coltar Dip	Elev.	
Property Commenced Completed Co-ordinates Objective	scription	District Location		iole No. DDH6460 ests at corr. Dip rue Brg.	Hor. C Vert. C Logge	comp.		si t Brg.	Collar Dip	Elev.	
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Property Commenced Completed Co-ordinates Objective		District Location		iole No. DDH6460 ests at corr. Dip rue Brg.	Hor. C Vert. C Logge	comp.	E SU	Eig.	Collar Dip		
Property Commenced Completed Co-ordinates Objective		District Location		iole No. DDH6460 ests at corr. Dip rue Brg.	Hor. C Vert. C Logge	comp.		- Oral Lines	Collar Dip	Elev.	
Property Commenced Completed Co-ordinates Objective	scription RUNS	District Location Core Size	+ 1 ( 1 9 9 9	lole No. DDH6460 ests at corr. Dip rue Brg. 6 Recov.	Hor. C Vert. C Logge Date	SHORTS		sist Bro.	Collar Dip	Elev.	
Property Commenced Completed Co-ordinates Objective	<u>RUNS</u> 70-77 -85	District Location Core Size SHORTS 1.5 3.0	RUN5 257-267 -277	Iole No. DDH6460 ests at corr. Dip rue Brg. 6 Recov. 5 <u>SHORTS</u> 0.0 0.5	Hor. C Vert. C Logge Date RUN5 467-477 -487	20mp. Comp. d by 5HORTS 0.0 0.0			Cottar Dip	Elev.	
Property Commenced Completed Co-ordinates Objective	<u>RUN5</u> 70-77 -85 -91	District Location Core Size SHORTS 1.5 3.0 5.0	RUNS 257-267 -277 -287	lole No. DDH6460 ests at corr. Dip rue Brg. & Recov. SHORTS 0.0 0.3 0.0	Hor. C Vert. C Logge Date RUNS 457-477 -487 -497	Ecomp. Comp. Ind by SHORTS 0.0 0.0 0.0			Coltar Dip	Elev.	
Property Commenced Completed Co-ordinates Objective	<u>RUN5</u> 70-77 -65 -91 -97 -107	District Location Core Size SHORTS 1.5 3.0 5.0 1.5 6.0	RUNS 257-267 -277 -287 -297 -307	lole No. DDH6460 ests at corr. Dip rue Brg. 6 Recov. 5 5 5 5 5 5 5 5 5 5 5 5 5 5 5 5 5 5 5	Hor. C Hor. C Vert. C Logge Date	SHORTS 0.0 0.0 0.0 0.0 0.0 0.0			Collar Dip	Elev.	
Property Commenced Completed Co-ordinates Objective	RUNS 70-77 -85 -91 -97 -107 -115	District Location Core Size 	RUNS 257-267 -277 -287 -297 -307 -317	Iole No. DDH6460 ests at corr. Dip rue Brg. 6 Recov. 5 5 5 5 5 5 5 5 5 5 5 5 5 5 5 5 5 5 5	Hor. C Vert. C Logge Date	SHORIS 0.0 0.0 0.0 0.0 0.0 0.0 0.0 0.0 0.0			Coltar Dip	Elev.	
Property Commenced Completed Co-ordinates Objective	RUN5 70-77 -85 -91 -97 -107 -115 -125 -127	District Location Core Size SHORTS 1.5 3.0 5.0 1.5 6.0 6.0 6.0 0.5 0.3	RUNS 257-267 -277 -287 -297 -307 -317 -327 -337	Iole No. DDH6460 ests at corr. Dip rue Brg. 6 Recov. 5 5 5 5 5 5 5 5 5 5 5 5 5	Hor. C Vert. C Logge Date 467-477 -487 -497 -507 -517 -527 -527 -530 -537	Comp. Comp. d by 5HORTS 0.0 0.0 0.0 0.0 0.0 0.0 0.0 0.0 0.0 0.			Coltar Dip		
Property Commenced Completed Co-ordinates Objective	RUN5 70-77 -85 -91 -97 -107 -115 -125 -127 -137	District Location Core Size 1.5 3.0 5.0 1.5 6.0 6.0 6.0 0.5 0.3 0.2	RUNS. 257-267 -277 -287 -297 -307 -317 -327 -337 -347	loie No. DDH6460 ests at corr. Dip rue Brg. 4 Recov. 5 5 5 5 5 5 5 5 5 5 5 5 5	Hor. C Vert. C Logge Date	Examp. Comp. Comp. Ad by SHORTS 0.0 0.0 0.0 0.0 0.0 0.0 0.0 0.			Collar Dip		
Property Commenced Completed Co-ordinates Objective	RUN5 70-77 -85 -91 -97 -107 -115 -125 -125 -127 -137 -147 -157	District Location Core Size 5HORTS 1.5 3.0 5.0 1.5 6.0 6.0 0.5 0.3 0.2 0.0 0.0	RUN5 257-267 -277 -287 -297 -307 -317 -327 -337 -347 -357 -367	Iole No. DDH6460 The Brg. Control DDH6460 True Brg. Control DDH6460 Control DDH6460 Con	Hor. C Vert. C Logge Date 467-477 -487 -497 -507 -517 -527 -527 -530 -537	Comp. Comp. d by 5HORTS 0.0 0.0 0.0 0.0 0.0 0.0 0.0 0.0 0.0 0.			Collar Dip		
Property Commenced Completed Co-ordinates Objective	RUN5 70-77 -85 -91 -97 -107 -113 -125 -127 -137 -147 -157 -167	District Location Core Size	RUNS 257-267 -277 -287 -297 -307 -317 -327 -337 -347 -357 -367 -377	loie No. DDH6460 ests at corr. Dip rue Brg. 4 Recov. 5 5 5 5 5 5 5 5 5 5 5 5 5 5 5 5 5 5 5	Hor. C Vert. C Logge Date 467-477 -487 -497 -507 -517 -527 -527 -530 -537	Comp. Comp. d by 5HORTS 0.0 0.0 0.0 0.0 0.0 0.0 0.0 0.0 0.0 0.			Collar Dip	Elev	
Property Commenced Completed Co-ordinates Objective	RUNS 70-77 -85 -91 -97 -107 -115 -125 -127 -137 -147 -157 -167 -177 -187	District Location Core Size	RUNS 257-267 -277 -287 -297 -307 -317 -327 -317 -327 -337 -347 -357 -357 -367 -377 -367 -377 -387 -397	Iole No.         DDH6460           ests at	Hor. C Vert. C Logge Date 467-477 -487 -497 -507 -517 -527 -527 -530 -537	Comp. Comp. d by 5HORTS 0.0 0.0 0.0 0.0 0.0 0.0 0.0 0.0 0.0 0.			Collar Dip		
Property Commenced Completed Co-ordinates Objective	RUN5 70-77 -85 -91 -97 -107 -115 -125 -127 -137 -147 -157 -167 -177 -167 -197	District Location Core Size	RUNS 257-267 -277 -287 -297 -307 -317 -327 -337 -347 -327 -357 -357 -367 -377 -367 -377 -367 -377 -367 -377 -367 -377 -367 -377 -367 -377 -367 -377 -367 -377 -367 -377 -367 -377 -367 -377 -367 -377 -37	Iole No. DDH6460 The sta at Sorr. Dip True Brg. 4 Recov. 5 5 5 5 5 5 5 5 5 5 5 5 5	Hor. C Vert. C Logge Date 467-477 -487 -497 -507 -517 -527 -527 -530 -537	Comp. Comp. d by 5HORTS 0.0 0.0 0.0 0.0 0.0 0.0 0.0 0.0 0.0 0.			Collar Dip		
Property Commenced Completed Co-ordinates Objective	RUN5 70-77 -85 -91 -97 -107 -115 -125 -127 -137 -147 -157 -167 -177 -167 -197 -207 -217	District Location Core Size 1.5 3.0 5.0 1.5 6.0 6.0 6.0 0.5 0.3 0.2 0.0 0.0 0.0 0.0 0.0 0.0 0.0 0.0 0.0	RUNS. 257-267 -277 -287 -287 -297 -307 -317 -327 -317 -327 -347 -357 -347 -357 -367 -347 -357 -367 -377 -367 -377 -367 -377 -367 -377 -367 -377 -367 -377 -367 -377 -367 -377 -367 -377 -367 -377 -367 -377 -367 -377 -367 -377 -367 -377 -367 -377 -37	Iole No.         DDH6460           iests at	Hor. C Vert. C Logge Date 467-477 -487 -497 -507 -517 -527 -527 -530 -537	Comp. Comp. d by 5HORTS 0.0 0.0 0.0 0.0 0.0 0.0 0.0 0.0 0.0 0.			Coller Dip		
Property Commenced Completed Co-ordinates Objective	RUNS acription 70-77 -85 -91 -97 -107 -115 -125 -127 -137 -147 -157 -167 -177 -167 -177 -187 -207 -217 -227	District Location Core Size	RUNS 257-267 -277 -287 -297 -307 -317 -327 -337 -347 -357 -357 -367 -377 -367 -377 -367 -377 -367 -377 -367 -377 -37	Iole No.         DDH6460           ests at	Hor. C Vert. C Logge Date 467-477 -487 -497 -507 -517 -527 -527 -530 -537	Comp. Comp. d by 5HORTS 0.0 0.0 0.0 0.0 0.0 0.0 0.0 0.0 0.0 0.					
Property Commenced Completed Co-ordinates Objective	RUN5 70-77 -85 -91 -97 -107 -113 -125 -127 -137 -147 -157 -167 -177 -187 -197 -207 -217 -227 -237 -247	District Location Core Size 1.5 3.0 5.0 1.5 6.0 6.0 6.0 0.5 0.3 0.2 0.0 0.0 0.0 0.0 0.0 0.0 0.0 0.0 0.0	RUNS 257-267 -277 -287 -297 -307 -317 -327 -337 -347 -357 -357 -357 -367 -377 -367 -377 -367 -377 -367 -377 -367 -377 -367 -377 -367 -377 -447 -437	lole No. DDH6460 ests at corr. Dip rue Brg. 4 Recov. 5 5 5 5 5 5 5 5 5 5 5 5 5 5 5 5 5 5 5	Hor. C Vert. C Logge Date 467-477 -487 -497 -507 -517 -527 -527 -530 -537	Comp. Comp. d by 5HORTS 0.0 0.0 0.0 0.0 0.0 0.0 0.0 0.0 0.0 0.					
Property Commenced Completed Co-ordinates Objective	RUN5 70-77 -85 -91 -97 -107 -115 -125 -127 -137 -147 -157 -167 -177 -167 -177 -187 -207 -217 -227 -237	District Location Core Size	RUNS 257-267 -277 -287 -287 -297 -307 -317 -327 -337 -347 -357 -357 -367 -377 -387 -377 -387 -377 -387 -377 -387 -377 -387 -377 -417 -427 -417	Iole No. DDH6460 ests at corr. Dip rue Brg. 4 Recov. 5 5 5 5 5 5 5 5 5 5 5 5 5	Hor. C Vert. C Logge Date 467-477 -487 -497 -507 -517 -527 -527 -530 -537	Comp. Comp. d by 5HORTS 0.0 0.0 0.0 0.0 0.0 0.0 0.0 0.0 0.0 0.					

Diamond Drill Geological Log For D.D.H. LAT. 1320 N DEP. 0000 ELEV. 4530 DIP: -50° AZIM.: 270° LENGTH. 497' HORIZ.COMP. 319' VERT.COMP. 381' DATE COLLARED: June 24, 1987 DATE COMPLETED: June 26, 1987 CORE STORAGE: Sullivan Open.Pit Core Storage Area DRILLED ON CLAIMIS' Eureka Crown Grant OBJECTIVE: To test electromagnetic anomaly PLANNED LENGTH: 500' TERMINATION COMMENTS: Numerous veinlets, few veins, disseminations almost all exclusively pyrrhotite; are probable cause of anomaly. DRILLED BY: Tonto Drilling (8.C.) Ltd. TYPE DRILL: Longyear 38 CORE SIZE: NO PERFORMANCE COMMENTS: Good productivity. Did not recirculate and had to haul water from ski lodge steadily (Barker). Used WDS-120 Polymer, go gel.	6461     Damage     Page 1       GENERAL COMMENTS:     Sperry Sun Survey       Depth     Azimuth     Dip       497'     S84W     -481°
CASING REMAINING IN HOLE (LENGTH & SIZE): 20' HHL + Shoe         TYPE CAP & SEALING METHOD: 6" Cap         OTHER MATERIAL REMAINING IN HOLE:         NOTHER MATERIAL REMAINING IN HOLE:         SURVEY INSTRUMENT USED:         Sperry Sun         SURVEY INSTRUMENT USED:         Sperry Sun         SURVEY INSTRUMENT USED:         Sperry Sun         Single Shot	LOG LEGEND <u>BED THICKNESS CLASSIFICATION</u> Very Thick Bedded Thick Bedded Thick Bedded 30 cm Hedium Bedded Thin Bedded Thin Bedded Very Thin Bedded LAHINAE LAHINAE Think Laminated D.D.H. 6461

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APPENDIX G

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Property	Sullivan		District	Hole No. DDH 646	51					
	June 24,	1987	Location	Tests at	Hor. Com	<b>.</b>				
	June 26,		Core Size	Corr. Dip	Vert. Com	الالالالا المحيية الشكان المحيي الشكان عاد				
Co-ordinates				True Brg.	Logged b				ā	
Objective				% Recov.	Date		Clain Elain	T Brg.	1 <b>-</b>	>
	· · · · · · · · · · · · · · · · · · ·								8	Elev.
Footage From To	Descri	ption		• · · · · · · · · · · · · · · · · · · ·			Anal	ysis	1	Г
0.0 -	20.0	Overburder	n							Γ
20.0 -	90.0	Quarty way	Cke. 6080 puerty ar	enite and wacke, most bede	araded to subvack	OT arcillite				Γ
20.0 -	30.0	pyrrhotife	erous; medium grey;	medium bedded with 10%	thick bedded and	about 20%				
				are commonly sharp and lamination is common in t						
				pyrrhotite; most of the qu nated most heavily toward						-
		generally	fine or very fine,	rarely medium; sulphides	are also found in f	ine fractures		<u> </u>		
				ossing strata; small beddi to 2 cm wide, the larg						+
		30% wall	rock) is 15 cm at	t 67', concentration of	sulphides diminishe	a abruptly		1-		+
		with only	minor sphalerite no	om some veins; sulphides oted. Chlorite veinlet a				$\vdash$	+	+
ŀ		at 32', 60	0° at 50', 60° at 70	0' and 57° at 88'.	-		-	1-	+	+
90.0 -	95.0			ke, pyrrhotiferous; light				1-	$\uparrow$	$\dagger$
ł			ted; contacts are si e; bedding to core (	harp, flat to wavy; intern 62° at 95′.	ai laminations with	disseminated		T	$\top$	$\uparrow$
		••	•			()		1	+	T
95.0 -	98.5			edded; bed contacts sharp internal lamination with						Τ
1		pyrrhotite	e also in irregular	veinlets.						Γ
98.5 -	102.0			(EPL) throughout, laminati		th irregular				Ĺ
		pyrrhotite	p disseminations and	d rare blebs; bedding to c	ore 62".				1	1
102.0 -	113.0			bed tops to subwacke and, nd medium bedded, not al					4	1
1		sharp to v	vague flat where rea	cognized except very bas	me, that is probabl	y a fault	<u> </u>	<b> </b>		1-
				rrhotite over 5 mm paralle n medium grained quartz wa				<b> </b>	4	╀
					1040 0001010 11110					
Drill Hol	le Recor	ď	······································		Cominco	Page 3		  		   
Property	Sullivan		District	Hole No. DDH 6	Cominco	Page 3	-	I   		
Property Commenced	Sullivan June 24,	1987	Location	Hole No. DDH 6 Tests et	Gominco 6461 Hor. Comp	Page 3	-	   		
Property Commenced Completed	Sullivan June 24, June 26.		Location	Hole No. DDH 6 Tests at Corr. Dip	5461 Hor. Comp Vert. Comp	Page 3			9	
Property Commenced Completed Co-ordinates	Sullivan June 24, June 26.	1987	Location	Hole No. DDH 6 Tests at Corr. Dip True Brg.	6461 Hor. Comp Vert. Com Logged by	Page 3			ar Dip	•
Property Commenced Completed	Sullivan June 24, June 26.	1987	Location	Hole No. DDH 6 Tests at Corr. Dip	5461 Hor. Comp Vert. Comp	Page 3		T Brg.	Collar Dip	Elev.
Property Commenced Completed Co-ordinates Objective	Sullivan June 24, June 26.	1987 1987	Location	Hole No. DDH 6 Tests at Corr. Dip True Brg.	6461 Hor. Comp Vert. Com Logged by	Page 3			Collar Dip	Elev.
Property Commenced Completed Co-ordinates Objective Footage From To	Sullivan June 24, June 26, Descrij	1987 1987	Location Core Size	Hole No. DDH 6 Tests at Corr. Dlp True Brg. % Recov.	6461 Hor. Comp Vert. Com Logged by Date	Page 3	10		Collar Dip	
Property Commenced Completed Co-ordinates Objective	Sullivan June 24, June 26, Descrij 13.0	1987 1987 ption as discent	Location Core Size	Hole No. DDH 6 Tests at Corr. Dip True Brg. % Recov.	6461 Hor. Comp Vert. Com Logged by Date	Page 3	10		Collar Dip	
Property Commenced Completed Co-ordinates Objective Footage From To 102.0 - 1	Sullivan June 24, June 26, Descrip 13.0	1987 1987 ption as dissemin lenses. Ge Wackey medi	Location Core Size nations, veinlets an alena, chlorite and ium grey; interval	Hole No. DDH 6 Tests at Corr. Dlp True Brg. % Recov. % Recov.	6461 Hor. Comp Vert. Com Logged by Date	Page 3	10			
Property Commenced Completed Co-ordinates Objective Factage From To 102.0 - 1 (Cont'd.)	Sullivan June 24, June 26, Descrip 13.0 55.5	1987 1987 pulon as dissemin lenses. Ge Wacke; medi are present	Location Core Size nations, veinlets ar alens, chlorite and lum grey; interval t as well as single	Hole No. DDH 6 Tests at Corr. Dlp True Brg. % Recov.	Gomunco 6461 Hor. Comp Vert. Comp Vert. Comp Logged by Date ogular patches and rgular patches and rgh short laminated come cases be beddin	Page 3	10		Collar Dip	
Property Commenced Completed Co-ordinates Objective Factage From To 102.0 - 1 (Cont'd.)	Sullivan June 24, June 26, Descrij 13.0 55.5	1987 1987 plion as dissemin lenses. Go Wacke; medi are present from 137 t are distinc	Location Core Size nations, veinlets ar alena, chlorite and tum grey; interval t as well as single to 155.5 appears to tt and flat however	Hole No. DDH 6 Tests at Corr. Dlp True Brg. % Recov. % Recov.	Gomines Gomines Hor. Comp Vert. Comp Vert. Comp Logged by Date Sigular patches and Sign short laminated some cases be bedding added; most bedding t differences in 1	Page 3 p. in small intervals g planes; contacts ithotype.	10		Collar Dip	
Property Commenced Completed Co-ordinates Objective Factage From To 102.0 - 1 (Cont'd.)	Sullivan June 24, June 26, Descrij 13.0 55.5	1987 1987 1987 polion as dissemin lenses. Ge Wacke; medi are present from 137 t are distinc Pyrrhotite veins to 3	Location Core Size nations, veinlets and alens, chlorite and tum grey; interval t as well as single to 155.5 appears to t and flat however is present through cm wide some of whit	Hole No. DDH 6 Tests at Corr. Dip True Brg. % Recov. % Recov. d scattered about in irre garnet noted: is mostly massive althou laminations that may in s be medium and thick b there are no significan hout as disseminations, pl ich appear to perallel b	Gomunco Gomunco Hor. Comp Vert. Comp Vert. Comp Vert. Comp Date Date Source and source as a beading the differences in 1 anar and irregular edding and others	Page 3 p. in small intervals g planes; contacts ithotype. veinlets, that cut	10		Collar Dip	
Property Commenced Completed Co-ordinates Objective Factage From To 102.0 - 1 (Cont'd.)	Sullivan June 24, June 26, Descrij 13.0 55.5	1987 1987 1987 polion as dissemin lenses. Ge Wacke; medi are present from 137 t are distinc Pyrhotite veins to 3 bedding, as	Location Core Size nations, veinlets an alens, chlorite and lum grey; interval t as well as single to 155.5 appears to t and flat however is present through cm wide some of whi a elliptical concer	Hole No. DDH 6 Tests at Corr. Dlp True Brg. % Recov. % Recov. d scattered about in irre garnet noted: is mostly massive althou laminations that may in s o be medium and thick b there are no significan hout as disseminations, pl ich appear to parallel b	Gomines i461 Hor. Comp Vert. Comp Vert. Comp Logged by Date gular patches and igh short laminated ione cases be bedding edded; most bedding it differences in 1 enar and irregular edding end others as well as irregular	Page 3 p. in small intervals g planes; contacts ithotype. veinlets, that cut	10			
Property Commenced Completed Co-ordinates Objective From To 102.0 - 1 (Cont'd.) 113.0 - 1	Sullivan June 24, June 26, Descrij 13.0 55.5	1987 1987 1987 plion as dissemin lenses. Ge Wacke; medi are present from 137 tt are distinc Pyrrhotite veins to 3 bedding, as with up to	Location Core Size nations, veinlets ar siena, chlorite and tum grey; interval t as well as single to 155.5 appears to t and flat however is present through cm wide some of whi s elliptical concer 75% pyrrhotite to 4	Hole No. DDH 6 Tests at Corr. Dlp True Brg. % Recov. % Recov. d scattered about in irre garnet noted: is mostly massive althou laminations that may in s o be medium and thick b there are no significan hout as disseminations, pl ich appear to parallel b ntrations to 1 cm long & cm long. Bedding to cor	Gamines Ganation Ganation Ganation Ganation Ganation Second Sec	Page 3 p. in small intervals g planes; contacts ithotype. veinlets. that cut r patches	10		Collar Dip	
Property Commenced Completed Co-ordinates Objective Factage From To 102.0 - 1 (Cont'd.)	Sullivan June 24, June 26, Descrip 13.0 55.5	1987 1987 1987 polion as dissemin lenses. Go Wacke; medi are present from 137 tt are disting Pyrrhotite veins to 3 bedding, as with up to Wacke, ofte	Location Core Size Dations, veinlets and alena, chlorite and ium grey; interval t as well as single to 155.5 appears to t and flat however is present through c wide some of whi s elliptical concer 75% pyrrhotite to 4 an with subwacke an	Hole No. DDH 6 Tests at Corr. Dlp True Brg. % Recov. % Recov. d scattered about in irre garnet noted: is mostly massive althou laminations that may in s b be medium and thick b there are no significan hout as disseminations, pl ich appear to parallel b	Gomunco Comunco Hor. Comp Vert. Comp Vert. Comp Logged by Dale Dale sigular patches and regular patches and and some cases be bedding t differences in 1 anar and irregular edding and others as well as irregular edding and others as well as irregular	Page 3	10		Collar Dip	
Property Commenced Completed Co-ordinates Objective From To 102.0 - 1 (Cont'd.) 113.0 - 1	Sullivan June 24, June 26, Descrij 13.0 55.5	1987 1987 1987 plion as dissemin lenses. Ga Wacke; medi are present from 137 t are distinc Pyrhotite veins to 3 bedding, as with up to Wacke, ofte basal porti bedded with	Location Core Size Core Size nations, veinlets and sitena, chlorite and tum grey; interval t as well as single to 155.5 appears to t and flat however is present through cm wide some of whi s elliptical concer 75% pyrrhotite to 4 an with subwacke ar Lon, numerous (thir on about 20% thick (d	Hole No. DDH 6 Tests at Corr. Dlp True Brg. % Recov. % Recov. d scattered about in irre garnet noted: is mostly massive althou laminations that may in m or be medium and thick b there are no significan hout as disseminations, pl ich appear to parallel b there are no significan hout as disseminations, pl ich appear to parallel b there in parallel b that disseminations, pl ich appear to parallel b d cm long. Bedding to cor nd argillite tops, 20% o n) beds of subwacke and ar quartz wacke) beds and	Gomines 6451 Hor. Comp Vert. Comp Logged by Date Sigular patches and Sigh short laminated some cases be bedding edded; most bedding t differences in 1 enar and irregular bedding end others as well as irregular to 59° at 140'. Sight beds have a qua gillite; medium gre 5% thin beds (in	Page 3 p. p. / in small intervals g planes; contacts ithotype. veinlets, that cut r patches rtz wacke y; medium clusters	10			Elev.
Property Commenced Completed Co-ordinates Objective From To 102.0 - 1 (Cont'd.) 113.0 - 1	Sullivan June 24, June 26, Descrip 13.0 55.5	1987 1987 1987 1987 option as dissemin lenses. Ge Wacke; medi are present from 137 tt are disting veins to 3 bedding, as with up to Wacke, ofte basal porti bedded witt less than to have bee	Location Core Size Core Size nations, veinlets and line, chlorite and line grey; interval t as well as single to 155.5 appears to t and flat however is present through c wide some of whi s elliptical concer 75% pyrrhotite to 4 an with subwacke ar lon, numerous (thir h about 20% thick (of 2' long); bed of an deformed by synamic	Hole No. DDH 6 Tests at Corr. Dip True Brg. % Recov. % Recov. d scattered about in irre garnet noted: is mostly massive althou laminations that may in s be medium and thick b there are no significan hout as disseminations, pl ich appear to parallel b intrations to 1 cm long & cm long. Bedding to cor and argillite tops, 20% on beds of subwacke and ar quartz wacke) beds and contacts are generally sh disentary movement. Pyr	Gomines A661 Hor. Comp Vert. Comp Vert. Comp Logged by Date Date Support Laminated one cases be bedding t differences in 1 endded; most bedding t differences in 1 endar and irregular edding end others as well as irregular edding and others as well as irregular edding and others as well as irregular edding end others as well as irregular edding for the second for the second for the second ending end for the second ending endin	Page 3	10			
Property Commenced Completed Co-ordinates Objective From To 102.0 - 1 (Cont'd.) 113.0 - 1	Sullivan June 24, June 26, Descrij 13.0 55.5	1987 1987 1987 1987 plion as dissemin lenses. Go Wacke; medi are present from 137 t are distinc Pyrhotite veins to 3 bedding, as with up to Wacke, ofte best porti- bedded with less than to have best dissemint;	Location Core Size Core Size nations, veinlets and liena, chlorite and liena grey; interval t as well as single to 155.5 appears to cot and flat however is present through ca wide some of whi s elliptical concer 75% pyrrhotite to 4 an with subwacke an lon, numerous (thir h about 20% thick (co 2' long); bed co an deformed by synat	Hole No. DDH 6 Tests at Corr. Dip True Brg. % Recov. % Recov. and scattered about in irres % Recov. * Recov. aniations that may in so be medium and thick be there are no significan hout as disseminations, pl ich appear to perallel be thrations to 1 cm long 4 cm long. Bedding to cor and argillite tops, 20% on a beds of subwacke and are quartz wacke) beds and contacts are generally sh adjmentary movement. Pyr base of beds and as i	Gomines i461 Hor. Comp Vert. Comp Vert. Comp Logged by Date Date regular patches and schedal patches and and integular edded; most bedding t differences in 1 enar and irregular edding end others as well as irregular edding end others as well as irregular edding and others as well as irregular edding end irregular edding end others as well as irregular edding and others as well as irregular is 59° at 140°. of beds have a qua gillite; medium gre 5% thin beds (in marp and flat but sc rhotite is present solated lamination	Page 3	10			
Property Commenced Completed Co-ordinates Objective From To 102.0 - 1 (Cont'd.) 113.0 - 1	Sullivan June 24, June 26, Descrij 13.0 55.5	1987 1987 1987 1987 Polion as dissemin lenses. Ga Wacke; medi are present from 137 t are distinc Pyrrhotite veins to 3 bedding, as with up to Wacke, ofte basal porti bedded with less than to have bes disseminati contacts; t	Location Core Size Core Size nations, veinlets and liena, chlorite and liena grey; interval t as well as single to 155.5 appears to cot and flat however is present through ca wide some of whi s elliptical concer 75% pyrrhotite to 4 an with subwacke an lon, numerous (thir h about 20% thick (co 2' long); bed co an deformed by synat	Hole No. DDH 6 Tests at Corr. Dip True Brg. % Recov. % Recov. d scattered about in irre garnet noted: is mostly massive althou laminations that may in s be medium and thick b there are no significan hout as disseminations, pl ich appear to parallel b intrations to 1 cm long & cm long. Bedding to cor and argillite tops, 20% on beds of subwacke and ar quartz wacke) beds and contacts are generally sh disentary movement. Pyr	Gomines i461 Hor. Comp Vert. Comp Vert. Comp Logged by Date Date regular patches and schedal patches and and integular edded; most bedding t differences in 1 enar and irregular edding end others as well as irregular edding end others as well as irregular edding and others as well as irregular edding end irregular edding end others as well as irregular edding and others as well as irregular is 59° at 140°. of beds have a qua gillite; medium gre 5% thin beds (in marp and flat but sc rhotite is present solated lamination	Page 3	10			
Property Commenced Completed Co-ordinates Objective From To 102.0 - 1 (Cont'd.) 113.0 - 1	Sullivan June 24, June 26, Descrij 13.0 55.5	1987 1987 1987 1987 Polion as dissemin lenses. Ga Wacke; medi are present from 137 t are distinc Pyrrhotite veins to 3 bedding, es with up to Wacke, ofte basal porti bedded with less than to have bese disseminati contacts; t at 135', 54 Wacke, subb	Location Core Size Core Size nations, veinlets and lum grey; interval t as well as single to 155.5 appears to t and flat however is present through cm wide some of whi s elliptical concer 75% pyrrhotite to 4 an with subwacke an lon, numerous (thir h about 20% thick (c 2' long); bed c an deformed by synas ions usually near two veins about 1 c 4° at 180'.	Hole No. DDH 6 Tests at Corr. Dlp True Brg. % Recov. % Recov. % Recov. d scattered about in irre garnet noted: is mostly massive althou laminations that may in s o be medium and thick b there are no significan hout as disseminations, pl ich appear to parallel b there are no significan hout as disseminations, pl ich appear to parallel b there are no significan hout as disseminations, pl ich appear to parallel b there are no significan hout as disseminations, pl ich appear to parallel b that disseminations, pl ich appear to parallel b disentory movement. Pyr base of beds and as i ca wide also have sphale e (thin beds) with about	Gomines id51 Hor. Comp Vert. Comp Vert. Comp Logged by Date regular patches and regular patches and regular patches and ided a nost bedding ided a nost bedding if ferences in 1 enar and irregular redding end others as well as irregular is 59° at 140'. If beds have a qua gillite; sedius gre S% thin beds (in herp and flat but sc rhotite is present solated lasinations prite. Bedding to	Page 3	10			
Property Commenced Completed Co-ordinates Objective From To 102.0 - 1 (Cont'd.) 113.0 - 1	Sullivan June 24, June 26, Descrij 13.0 55.5	1987 1987 1987 1987 1987 as dissemin lenses. Ge Wacke; medi are present from 137 tt are distince Pyrrhotite veins to 3 bedding, as with up to Wacke, ofte basal porti bedded with less then to have bese disseminati at 135', 54 Wacke, subb and wacke i	Location Core Size Core Size nations, veinlets ar alena, chlorite and tum grey; interval t as well as single to 155.5 appears to t and flat however is present through cm wide some of whi s elliptical concer 75% pyrrhotite to 4 an with subwacke ar ion, numerous (thir h about 20% thick (of 2' long); bed of 2' long); bed of an deformed by synse ions usually near two veins about 1 of 4° at 180'.	Hole No. DDH 6 Tests at Corr. Dlp True Brg. % Recov. % Re	Gomines Gomines Gate Hor. Comp Vert. Comp Vert. Comp Logged by Date Sigular patches and Sigular patches a	Page 3 	10			
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Property Commenced Completed Co-ordinates Objective From To 102.0 - 1 (Cont'd.) 113.0 - 1	Sullivan June 24, June 26, Descrip 13.0 55.5	1987 1987 1987 1987 1987 as dissemin lenses. Ga Wacke; medi are present from 137 t are distinc veins to 3 bedding, as with up to Wacke, ofte basal porti bedded with less than to have bes disseminati contacts; t at 135', 54 Wacke, sub- and wacke j Pyrrhotite contacts, 1	Location Core Size Core Si	Hole No. DDH 6 Tests at Corr. Dip True Brg. % Recov. % Re	Gomines Addi Hor. Comp Vert. Comp Vert. Comp Vert. Comp Logged by Date Date Date added: sost bedding t differences in 1 ended: sost bedding t diffe	Page 3	10			
Property Commenced Completed Co-ordinates Objective From To 102.0 - 1 (Cont'd.) 113.0 - 1	Sullivan June 24, June 26, Descrip 13.0 55.5 98.0 219.0	1987 1987 1987 1987 1987 as dissemin lenses. Ga Wacke; medi are present from 137 ti are distinc Pyrrhotite veins to 3 bedding, as with up to Wacke, ofte basal porti bedded with less than to have bed disseminati contacts; 1 at 135', 54 Wacke, subv and wacke a Pyrrhotite contacts, 3 Bedding to Subwacke an	Location Core Size Core Si	Hole No. DDH 6 Tests at Corr. Dip True Brg. % Recov. % Re	Gomunco Addi Hor. Comp Vert. Comp Vert. Comp Logged by Date Date ogular patches and regh short laminated come cases be bedding added; most bedding t differences in 1 ended; most bedding t differences in 1 end and irregular edding and others as well as irregular edding and others as well as irregular of beds have a qua gillite; medium gre 5% thin beds (in marp and flat but sc rhotite is present solated laminations orite. Bedding to 25% of interval qua contacts sharp laminations especial od in ankerite mass	Page 3	10			
Property Commenced Completed Co-ordinates Objective From To 102.0 - 1 (Cont'd.) 113.0 - 1 155.5 - 1	Sullivan June 24, June 26, Descrip 13.0 55.5 98.0 219.0	1987 1987 1987 1987 as dissemin lenses. Ge Wacke; medi are present from 137 t are distinc Pyrrhotite veins to 3 bedding, es with up to Wacke, ofte basal porti badded with less than to have bee disseminati contacts; t at 135', 54 Wacke, subw and wacke is Pyrrhotite contacts; t Bedding to Subwacke an pyrrhotite	Location Core Size Core Size nations, veinlets and lum grey; interval t as well as single to 155.5 appears to t and flat however is present through cm wide some of whi s elliptical concer 75% pyrrhotite to 4 an with subwacke and ion, numerous (thir h about 20% thick (of 2' long); bed of an deformed by synast ions usually near two veins about 1 of 4° at 180'. Wacke and argillite in medium and thick disseminated thro few veins and irreg core 60° at 207'. rgillite and wacke is present only in	Hole No. DDH 6 Tests at Corr. Dip True Brg. % Recov. % Re	Gomines A651 Hor. Comp Vert. Comp Logged by Date Second Statements Second Statements Second Statements Hor. Comp Vert. Comp Logged by Date Second Statements Second Statements	Page 3	10			

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		D1-4 !	41.1. 41.	GominCO Page 4	1			
Property Sulli	van 24, 1987	District Location	Hole No. DDH 6461 Tests at	Hor. Comp.				
Comminicad		Core Size	Corr. Dip	Vert. Comp.	{			
Completed June	26, 1987		True Brg.	Logged by			٥ï٩	
Objective			% Recov.	Date	Ē	ė	Collar D	
						Bug.		ě U
Footage De From To	scription		·			-	<b>_</b>	-
222.5 - 251.0			t and flat, fault offset noted			-		1
(Cont'd)	Pyrrhotite	is present as	50% of beds are internally weak disseminations, rare v f some beds. Bedding to core	einlets, and is moderately	F	╪	† †	
251.0 - 264.0			ht to medium grey; thin be			+-		╉
			o or three distinct lithotypes gillite, subwacke often wit			$\uparrow$		+
			fine granular appearance, and disseminated pyrrhotite.					1
	along some	veins. Pyrrhoti	ite is present in irregular cr	oss cuttting veins usually		Τ	T	T
		<pre>1 cm wide and with d 4 cm thick.</pre>	h less than 30% wall rock fra	gments; and as tow bedded				T
264.0 - 298.0			proaching quartz wacke, plus a	few bods of quarter work-		1		1
27010	several be	ds as well as the	a tops of most are subwacke	and argillite; medium to	L_	+		4
			k bedded with a few sets of th lat; commonly beds are interna			╇		-
	have cross	laminae. Pyrrho	otite is present weakly dissem w veinlets and irregular mas	insted, often accentuating		╋	+	+
	core 57° a		- veinieve and irregular Mas	eve as well. Beading to		╉	+	+
298.0 - 322.0	Wacke, sul	bwacke and argil	llite, two beds with quartz	wacke portions; medium to	{	+	+	╉
	light grey	; medium and thin	bedded; bed contacts sharp lating and a few are offset	to distinct and generally		╈	1	1
	lamination	(often quite fair	nt) is present in most beds	. Pyrrhotite is present				Ţ
	in a few ' at 312'.	veiniets and is	weakly disseminated in some	Deas. Bedding to core 56 <sup>0</sup>				T
322.0 - 359.0	Wacko with	attendant subver	we and lesser argillite in	upper portions of bede				
			ut 10% of the beds; grey; med.		· ·			
• • • • • • • • • • • • • • • • • • •	· · · · · · · · · · · · · · · · · · ·	e i-i-i-i-i-i-				- T		
Drill Hole Rec		f interval is thin	n bedded; bed contacts are sha	rp to distinct and flat;			 	
Drill Hole Rec			n bedded; bed contacts are sha					
Property Sullivan	ord	District	h bedded; bed contacts are sha Hole No. DDH 6461	CominCO Page 5				
Property Sullivan Commenced June 2	ord		n bedded; bed contacts are sha	rp to distinct and flat;				
Property Sullivan Commenced June 2	ord 4, 1987	District Location	h bedded; bed contacts are sha Hole No. DDH 6461 Tests at	CominCO Page 5 Hor. Comp.			- Dip	
Property Sullivan Commenced June 2 Completed June 2	ord 4, 1987	District Location	h bedded; bed contacts are sha Hole No. DDH 6461 Tests al Corr. Dip	rp to distinct and flat; ComminCO Page 5 Hor. Comp. Vert, Comp.		Brg.	ollar Dip	ev.
Property Sullivan Commenced June 2 Completed June 2 Co-ordinates Objective	ord 4, 1987 6, 1987	District Location	Hole No. DDH 6461 Tests at Corr. Dip True Brg.	rp to distinct and flat; COMMINCO Page 5 Hor. Comp. Vert, Comp. Logged by		sist.	Collar Dip	Elev.
Property Sullivan Commenced June 2 Completed June 2 Co-ordinates Objective	Ord 4, 1987 6, 1987 cription	District Location Core Size	Hole No. DDH 6461 Tests at Corr. Dip True Brg. % Recov.	rp to distinct and flat; ComminCO Page 5 Hor. Comp. Vert, Comp. Logged by Date			Cottar Dip	Elev.
Property Sullivan Commenced June 2 Completed June 2 Co-ordinates Objective	0rd 4, 1987 6, 1987 cription internal 10	District Location Core Size	Hole No. DDH 6461 Tests at Corr. Dip True Brg. % Recov.	rp to distinct and flat; ComminCO Page 5 Hor. Comp. Vert, Comp. Logged by Date			Cotlar Dip	
Property Sullivan Commenced June 2 Completed June 2 Co-ordinates Objective Footage From To 322.0 - 359.0	ord 4, 1987 6, 1987 cription internal la as weak di Wacke with	District Location Core Size aminations present sseminations and i minor subwacke or	Hole No. DDH 6461 Tests at Corr. Dip True Brg. % Recov.	rp to distinct and flat; COMINCO Page 5 Hor. Comp. Vert. Comp. Logged by Date pyrrhotite is present n interbeds spaced a few			Cottar Dip	Elev.
Property Sullivan Commenced June 2 Completed June 2 Co-ordinates Objective Foolage From To 322.0 - 359.0 (Cont'd)	ord 4, 1987 6, 1987 cription internal li as weak di Wacke with tens of co	District Location Core Size aminations present sseminations and i minor subwacke or entimaters in upp	Hole No. DDH 6461 Tests at Corr. Dip True Brg. % Recov.	rp to distinct and flat; CominCO Page 5 Hor. Comp. Vert. Comp. Logged by Date pyrrhotite is present n interbeds spaced a few o 10 cm in the lower part;			Collar Dip	
Property Sullivan Commenced June 2 Completed June 2 Co-ordinates Objective Foolage From To 322.0 - 359.0 (Cont'd)	ord 4, 1987 6, 1987 cription internal line as weak difference Wacke with tens of cri asdium to thinly lam	District Location Core Size aminations present sseminations and i minor subwacke or entimeters in upp dark grey, inter inated (appears t	Hole No. DDH 6461 Tests at Corr. Dip True Brg. % Recov. t over about 20% of interval; in veinlets. r argillite only as very this per part of interval and one t r-bed contacts are sharp and that biotite is the main min.	rp to distinct and flat; COMINCO Page 5 Hor. Comp. Vert. Comp. Logged by Data pyrrhotite is present n interbeds spaced a few o 10 cm in the lower part; flat; entire interval is eral defining laminee; and			Coller Dip	
Property Sullivan Commenced June 2 Completed June 2 Co-ordinates Objective Foolage From To 322.0 - 359.0 (Cont'd)	ord 4, 1987 6, 1987 6, 1987 cription internal li as weak di Wacke with tens of co madium to thinly lam laminations out; there	District Location Core Size aminations present sseminations and i minor subwacke or entimaters in upp dark grey, inter inated (appears t s are planar and i are a few pyrr	Hole No. DDH 6461 Tests at Corr. Dip True Brg. % Recov. t over about 20% of interval; in veinlets. r argillite only as very thin per part of interval and one t r-bed contacts are sharp and that biotite is the main min flat. Pyrrhotite is commonly in	rp to distinct and flat; CominCO Page 5 Hor. Comp. Vert. Comp. Logged by Date pyrrhotite is present n interbeds spaced a few o 10 cm in the lower part; flat; entire interval is eral defining laminae) and weakly disseminated through: halarite at 418. Core is			Cottar Dip	
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Property Sullivan Commenced June 2 Completed June 2 Co-ordinates Objective Footage From To 322.0 - 359.0 (Cont'd) 359.0 - 436.5 436.5 - 459.0	A, 1987 6, 1987 6, 1987 Cription internal 14 as weak divides a seak divide a seak di seak di se	District Location Core Size aminations present sseminations and is minor subwacke or entimeters in upp dark grey. inter inated (appears t s are planar and i are a few pyrrh a 412-417'. severo present. Bedding ke with some quart ; thick to very are irregular; mo in rare veinlet na and sphalerite Bedding to core gillite, subwacket medium grey; bed	Hole No. DDH 6461 Tests at Corr. Dip True Brg. % Recov. * Recov. * Recov. * Recov. * Recov. * Recov. * Argillite only as very thin per part of interval and one t r-bed contacts are sharp and that biotite is the main min flat. Pyrrhotite is commonly on hotite veinlets, one with sp al fragments have slickensid to core 57° at 365', 56° tz arenite, minor subwacke thick bedded; bed contacts ost subwacke/argillite in 25 c ts and in widespread dissemin (rare) noted mear and wit 50° at 456'. e; thin and very thin bedd	rp to distinct and flat; COMINCO Page 5 Hor. Comp. Vert Comp. Logged by Data pyrrhotite is present n interbeds spaced a few o 10 cm in the lower part; flat; entire interval is eral defining laminae) and weakly disceminated through: halerite at 418. Core is es - suspect only scall 385', 55° at 407', 55° at and argillite; medium to are distinct and generally m interval at 446'; pyrrhot: atoms in portions of some hin quartz vein from 451' ed; with one medium quartz ly wavy; a 30 cm interval				
Property         Sullivan           Commenced         June 2           Completed         June 2           Co-ordinates         Objective           Footage         Dess           From         To           322.0 - 359.0         (Cont'd)           359.0 - 436.5         436.5           436.5 - 459.0         436.5	ord 4, 1987 6, 1987 6, 1987 cription internal li as weak di Wacke with tens of cr madium to thinly lam laminations out; there broken from fault is 427'. Quartz wach light grey flat, some is present beds; galent to 452.5'. Wacke, arr wacke bed; contains core 54° a	District Location Core Size aminations present sseminations and i minor subwacke or entimeters in upp dark grey, inter inated (appears t are planar and i are a few pyrrh # 412-417', severa present. Bedding ke with some quart ; thick to very are irregular; se in rare veinlet na and sphalerite Bedding to core gillite, subwacke medium grey; bed very thin beds t 460'.	Hole No. DDH 6461 Tests at Corr. Dip True Brg. % Recov. t over about 20% of interval; in veinlets. r argillite only as very this per part of interval and one t r-bed contacts are sharp and that biotite is the main min flat. Pyrrhotite is commonly hotite veinlets, one with sp al fragments have slickensid to core 57° at 365', 56° tz arenite, minor subwacke thick bedded; bed contacts bet subwacke/argillite in 25 c ts and in widespread dissenin (rare) noted near and wit 50° at 456'. s; thin and very thin bedd contacts sharp and flat, rare that have cross laminated a	rp to distinct and flat; CommCD Page 5 Hor. Comp. Vert. Comp. Logged by Date pyrrhotite is present n interbeds spaced a few o 10 cm in the lower part; flat; entire interval is eral defining laminae) and weakly disseminated through- halerite at 418. Core is es - suspect only small 385', 55° at 407', 55° at and argillite; medium to are distinct and generally m interval at 446'; pyrrhot. at 446'; pyrrhot. ations in portions of some hin quartz vein from 451' ed; with one medium quartz ly wavy; a 30 cm interval ubwacke bases. Bedding to				
Property Sullivan Commenced June 2 Completed June 2 Co-ordinates Objective Footage From To 322.0 - 359.0 (Cont'd) 359.0 - 436.5 436.5 - 459.0	ord 4, 1987 6, 1987 6, 1987 cription internal la as weak di Wacke with tens of CC asdium to thinly lam lamination out; there broken from fault is 427'. Quartz wacc light grey flat, some is present beds; galest to 452.5'. Wacke, ar wacke bed; contains core 54° a Quartz wacc asdium gre	District Location Core Size aminations present sseminations and if minor subwacke or entimeters in upp dark grey. inter inated (appears i are planar and if are a few pyrrh at 12-417'. severce present. Bedding to very this bese quart in rare veinlet na and sphalerite Bedding to core gillite, subwacke medium grey; bed very thin bess t 460'. ke, some quartz d y; thick then me	Hole No. DDH 6461 Tests al Corr. Dip True Brg. % Recov. t over about 20% of interval; in veinlets. r argillite only as very thin per part of interval and one t r-bed contacts are sharp and flat. Pyrrhotite is the main min flat. Pyrrhotite is commonly hotite veinlets, one with sp al fragments have slickensid to core 57° at 365', 56° tz arenite, minor subwacke thick bedded; bed contacts ost subwacke/argillite in 25 c ts and in widespread dissenin 6 (rare) noted near and wit 50° at 456'. s; thin and very thin bedd contacts sharp and flat, rare that have cross laminated s arenite, minor subwacke and edjum bedded; bed contacts dis	rp to distinct and flat; ComminCO Page 5 Hor. Comp. Vert. Comp. Logged by Data pyrrhotite is present n interbeds spaced a few o 10 cm in the lower part; flat; entire interval is eral defining lasinae) and weakly disseminated through- halerite at 418. Core is es - suspect only small 385', 55° at 407', 55° at and argillite; medium to are distinct and generally minterval at 446'; pyrhot: ations in portions of some hin quartz vein from 451' ed; with one medium quartz ly wavy; a 30 cm interval ubwacke bases. Bedding to argillite in interbeds; tinct to vague, flat, wavy			Collar Dip	
Property         Sullivan           Commenced         June 2           Completed         June 2           Co-ordinates         Objective           Footage         Dess           From         To           322.0 - 359.0         (Cont'd)           359.0 - 436.5         436.5           436.5 - 459.0         436.5	ord 4, 1987 6, 1987 6, 1987 cription internal lian as weak diants wacke with tens of comparison thinly lam lamination out; there broken from fault is 427'. Quartz wach light grey flat, some is present beds; galent to 452.5'. Wacke, ar wacke bed; contains core 54° a Quartz wach medius gre and cuspet	District Location Core Size aminations present sseminations and i minor subwacke or entiseters in upp dark grey, inter inated (appears t are planar and i are a few pyrrh at12-417', severe present. Bedding thick to very are irregular; se in rare veinist na and sphalerite Bedding to core gillite, subwacke medium grey; bed very thin beds t 460'. ke, some quartz d y; thick then me	Hole No. DDH 6461 Tests at Corr. Dip True Brg. % Recov. t over about 20% of interval; in veinlets. r argillite only as very this per part of interval and one t r-bed contacts are sharp and that biotite is the sain sim flat. Pyrrhotite is commonly hotite veinlets, one with sp al fragments have slickensid to core 57° at 365', 56° tz arenite, minor subwacke thick bedded; bed contacts ost subwacke/argillite in 25 c ts and in widespread dissemin (rare) noted near and wit 50° at 456'. s; thin and very thin bedd contacts sharp and flat, rare that have cross laminated s arenite, minor subwacke and	rp to distinct and flat; Commence Hor. Comp. Vert. Comp. Logged by Date pyrrhotite is present n interbeds spaced a few o 10 cm in the lower part; flat; entire interval is eral defining laminae) and weakly disseminated through- halerite at 418. Core is es - suspect only small 385', 55° at 407', 55° at and argillite; medium to are distinct and generally interval at 446'; pyrhot. ations in portions of some hin quartz vein from 451' ed; with one medium quartz ly wavy; a 30 cm interval ubwacke bases. Bedding to argillite in interbeds; tinct to vague, flat, wavy insted in some beds, in				

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Property	Sullivan	District	Hole No. DDH6461					
Commenced		Location	Tests at	Hor. Comp.			1	
Completed	June 26, 1987	Core Size	Corr. Dip	Vert. Comp.		1		
Co-ordinates			True Brg.	Logged by			ä	
Objective			% Recov.	Date		Brg.	Collar Dip	
Footage	Description			· · · · · · · · · · · · · · · · · · ·		lysis	3	_
From To						Ŧ	F	_
472.5 - (Cont'd)	497.0 half of w - 375.5	hich are laminites	and that have sharp flat co arallel movement has disaggr	ntacts (except from 372.5		+	+	
	of interv	al is quartz wacke	and wacke in medium and t	hick bads, commonly with		1	1	
	dissemina	ted and in irregula	ome of the quartz wacke and wa ar blobs defining a faint bedd	ing parallel distribution				
	Pyrrhotit	e is also present	in cross-cutting and beddin n one quartz wacks bed. Bedd	a parallal vains. Rin up				_
	54° at 49	7'.		ing bo core 5/- at 4// ;				
	•						+	
						+	+	-
		*** END C	OF HOLE AT 497' •••			┼╌		_
						+	+	
				•		+	+	
						1	1-	
							1	
			•				Γ	_
						+	1	
							+	-
						+		
						+	+	
	•	· .			·	+		
							1	_
Drill Hol	e Record			CominCO Page 7				
	Sullivan	District	Hole No. DDH 6461	CominCO Page 7				
Property Commenced	Sullivan June 24, 1987	Location	Tests at	Hor. Comp.				
Property Commenced Completed	Sullivan	A Al	Tests at Corr. Dip	Hor. Comp. Vert. Comp.			4	
Property Commenced Completed Co-ordinates	Sullivan June 24, 1987	Location	Tests at Corr. Dip True Brg.	Hor. Comp. Vert. Comp. Logged by		ġ	lar Dip	
Property Commenced Completed Co-ordinates	Sullivan June 24, 1987 June 26, 1987	Location	Tests at Corr. Dip	Hor. Comp. Vert. Comp.	Claim	1 Brg.	Collar Dip	
Property Commenced	Sullivan June 24, 1987	Location	Tests at Corr. Dip True Brg.	Hor. Comp. Vert. Comp. Logged by	agy Claim	sist Brg.	Collar Dip	
Property Commenced Completed Co-ordinates Objective	Sullivan June 24, 1987 June 26, 1987 Description	Location Core Size	Tests at Corr. Dip True Brg. % Recov.	Hor. Comp. Vert. Comp. Logged by Date			Collar Dip	
Property Commenced Completed Co-ordinates Objective	Sullivan June 24, 1987 June 26, 1987 Description	Location Core Size	Tests at Corr. Dip True Brg. % Recov. Recov.	Hor. Comp. Vert. Comp. Logged by Date RUNS SHORTS		D.D.	Collar Dip	
Property Commenced Completed Co-ordinates Objective	Sullivan June 24, 1987 June 26, 1987 Description RUNS 20 25	Location Core Size <u>SHORTS</u> Start 4.3	Tests at           Corr. Dip           True Brg.           % Recov.           RUNS         SHORTS           197         0.0           207         0.0	Hor. Comp.           Vert. Comp.           Logged by           Date           RUNS         SHORTS           397         0.0           407         0.0			Collar Dip	
Property Commenced Completed Co-ordinates Objective	Sullivan June 24, 1987 June 26, 1987 Description RUNS 20 25 27	Location Core Size SHORTS Start 4.5 0.5	Tests at           Corr. Dip           True Brg.           % Recov.           % Recov.	Hor. Comp.           Vert. Comp.           Logged by           Date           RUNS         SHORTS           397         0.0           407         0.0           417         2.0		siad.	Collar Dip	
Property Commenced Completed Co-ordinates Objective	Sullivan June 24, 1987 June 26, 1987 Description RUNS 20 25 27 31 37	Location Core Size SHORTS Start 4.5 0.5 1.0 0.0	Tests at           Corr. Dip           True Brg.           % Recov.           RUNS         SHORTS           197         0.0           207         0.0           217         0.0           227         0.5           237         0.0	Hor. Comp.           Vert. Comp.           Logged by           Date           RUNS         SHORTS           397         0.0           407         0.0           417         2.0           427         0.0           433         0.0		- Bro.	Collar Dip	
Property Commenced Completed Co-ordinates Objective	Sullivan June 24, 1987 June 26, 1987 Description 20 25 27 31 37 43 47	Location Core Size <u>SHORTS</u> Start 4.5 0.5 1.0 0.0 0.0 0.0 1.0	Tests at           Corr. Dip           True Brg.           % Recov.           % Recov.           RUNS         SHORTS           197         0.0           207         0.0           217         0.0           227         0.5           237         0.0           247         0.0           257         0.0	Hor. Comp.           Vert. Comp.           Logged by           Date           897           407           407           407           407           407           407           417           427           433           437           446		start	Collar Dip	
Property Commenced Completed Co-ordinates Objective	Sullivan June 24, 1987 June 26, 1987 Description 20 25 27 31 37 43 47 57	Location Core Size <u>SHORT5</u> Start 4.5 0.5 1.0 0.0 0.0 1.0 0.0	Tests at           Corr. Dip           True Brg.           % Recov.           % Recov.           800 - 207           197         0.0           207         0.0           217         0.0           217         0.5           237         0.0           247         0.0           257         0.0           267         0.0	Hor. Comp.           Vert. Comp.           Logged by           Date           RUN5         SHORT5           397         0.0           407         0.0           417         2.0           427         0.0           433         0.0           437         0.0           436         0.0			Collar Dip	
Property Commenced Completed Co-ordinates Objective	Sullivan June 24, 1987 June 26, 1987 Description 20 25 27 31 37 43 47 57 67 77	Location Core Size SHORTS Start 4.5 0.5 1.0 0.0 0.0 1.0 0.0 0.0 0.0 0.0 0.0 0.0	Tests at           Corr. Dip           True Brg.           % Recov.           % Recov.           197         0.0           207         0.0           217         0.0           237         0.5           237         0.0           247         0.0           257         0.0           267         0.0           267         0.0           287         0.0	Hor. Comp.           Vert. Comp.           Logged by           Date           897           407           407           407           417           2.0           427           433           0.0           437           466           0.0           459           0.0           463		to a	Collar Dip	
Property Commenced Completed Co-ordinates Objective	Sullivan June 24, 1987 June 26, 1987 Description 20 25 27 31 37 43 47 57 67 77 87 97	Location Core Size SHORT5 Start 4.5 0.5 1.0 0.0 0.0 1.0 0.0 0.0 0.0 0.0 0.0 0.0	Tests at           Corr. Dip           True Brg.           % Recov.           % Recov.           800 - 207           197         0.0           207         0.0           217         0.0           217         0.0           217         0.0           217         0.0           217         0.0           217         0.0           217         0.0           247         0.0           257         0.0           267         0.0           277         0.0           287         0.0           297         0.0           307         0.0	Hor. Comp.           Vert. Comp.           Logged by           Date           RUNS         SHORTS           397         0.0           407         0.0           417         2.0           427         0.0           433         0.0           435         0.0           456         0.0           459         0.0           463         0.0           467         0.0           477         0.0			Collar Dip	
Property Commenced Completed Co-ordinates Objective	Sullivan June 24, 1987 June 26, 1987 Description 20 25 27 31 37 43 47 57 67 77 87	Location Core Size <u>SHORTS</u> Start 4.5 0.5 1.0 0.0 1.0 0.0 0.0 0.0 0.0 0.0 0.0 0.0	Tests at           Corr. Dip           True Brg.           % Recov.           % Recov.           197         0.0           207         0.0           217         0.0           237         0.0           247         0.0           257         0.0           267         0.0           267         0.0           267         0.0           267         0.0           297         0.0           307         0.0           317         0.0	Hor. Comp.           Vert. Comp.           Logged by           Date           0           RUNS           SHORTS           397           0.0           407           0.0           407           407           0.0           417           2.0           427           0.0           433           0.0           437           0.0           436           0.0           455           0.0           463           0.0           463           467           463           1.0			Collar Dip	
Property Commenced Completed Co-ordinates Objective	Sullivan June 24, 1987 June 26, 1987 Description 20 25 27 31 37 43 37 43 47 57 67 77 87 97 107 117 127	Location Core Size <u>SHORTS</u> Start 4.5 0.5 1.0 0.0 0.0 0.0 0.0 0.0 0.0 0.0 0.0 0.0	Tests at           Corr. Dip           True Brg.           % Recov.           % Recov.           197           207           207           217           0.0           217           0.5           237           0.0           247           0.0           257           0.0           267           0.0           257           0.0           257           0.0           257           0.0           257           0.0           257           0.0           257           0.0           257           0.0           257           0.0           257           0.0           307           0.0           317           0.0           337	Hor. Comp.           Vert. Comp.           Logged by           Date           RUNS         SHORTS           397         0.0           407         0.0           417         2.0           427         0.0           433         0.0           435         0.0           456         0.0           459         0.0           463         0.0           467         0.0           477         0.0			Coltar Dip	
Property Commenced Completed Co-ordinates Objective	Sullivan June 24, 1987 June 26, 1987 Description 20 25 27 31 37 43 47 57 67 77 87 97 107 117 127 137 147	Location Core Size SHORT5 Start 4.5 0.5 1.0 0.0 0.0 0.0 0.0 0.0 0.0 0.0 0.0 0.0	Tests at           Corr. Dip           True Brg.           % Recov.           % Recov.           % Recov.           197         0.0           207         0.0           207         0.0           217         0.0           237         0.0           247         0.0           257         0.0           267         0.0           277         0.0           307         0.0           317         0.0           327         0.0           337         0.0           347         0.0           352         1.0	Hor. Comp.           Vert. Comp.           Logged by           Date           RUNS         SHORTS           397         0.0           407         0.0           417         2.0           427         0.0           433         0.0           435         0.0           466         1.0           456         0.0           463         0.0           463         0.0           463         0.0           463         0.0           463         0.0           463         0.0           463         0.0           464         1.0           494         0.5			Collar Dip	
Competty Commenced Completed Co-ordinates Objective	Sullivan June 24, 1987 June 26, 1987 Description 20 25 27 31 37 43 43 47 57 67 77 87 97 107 117 127 137	Location Core Size SHORT5 Start 4.5 0.5 1.0 0.0 0.0 0.0 0.0 0.0 0.0 0.0 0.0 0.0	Tests at           Corr. Dip           True Brg.           % Recov.           % Recov.           % Recov.           197         0.0           207         0.0           207         0.0           217         0.0           237         0.0           247         0.0           257         0.0           267         0.0           277         0.0           287         0.0           307         0.0           317         0.0           327         0.0           347         0.0	Hor. Comp.           Vert. Comp.           Logged by           Date           RUNS         SHORTS           397         0.0           407         0.0           417         2.0           427         0.0           433         0.0           435         0.0           466         1.0           456         0.0           463         0.0           463         0.0           463         0.0           463         0.0           463         0.0           463         0.0           463         0.0           464         1.0           494         0.5			Collar Dip	
Property Commenced Completed Co-ordinates Objective	Sullivan June 24, 1987 June 26, 1987 Description 20 25 27 31 37 43 47 57 67 77 87 97 107 117 127 137 147 157 167	Location Core Size SHORT5 Start 4.5 0.5 1.0 0.0 0.0 0.0 0.0 0.0 0.0 0.0 0.0 0.0	Tests at           Corr. Dip           True Brg.           % Recov.           % Recov.           % Recov.           197         0.0           207         0.0           217         0.0           217         0.0           237         0.0           247         0.0           257         0.0           267         0.0           277         0.0           307         0.0           317         0.0           327         0.0           317         0.0           327         0.0           317         0.0           327         0.0           337         0.0           347         0.0           357         0.0           357         0.0           367         0.0           377         0.0	Hor. Comp.           Vert. Comp.           Logged by           Date           RUNS         SHORTS           397         0.0           407         0.0           417         2.0           427         0.0           433         0.0           435         0.0           466         1.0           456         0.0           463         0.0           463         0.0           463         0.0           463         0.0           463         0.0           463         0.0           463         0.0           464         1.0           494         0.5			Collar Dip	
Property Commenced Completed Co-ordinates Objective	Sullivan June 24, 1987 June 26, 1987 Description 20 25 27 31 37 43 37 43 47 57 67 77 87 97 107 117 127 137 147 57 167	Location Core Size <u>SHORTS</u> Start 4.5 0.5 1.0 0.0 0.0 0.0 0.0 0.0 0.0 0.0 0.0 0.0	Tests at           Corr. Dip           True Brg.           % Recov.           % Recov.           8           97         0.0           207         0.0           217         0.0           237         0.0           247         0.0           267         0.0           267         0.0           277         0.0           287         0.0           287         0.0           297         0.0           307         0.0           317         0.0           327         0.0           347         0.0           352         1.0           357         0.0           367         0.0	Hor. Comp.           Vert. Comp.           Logged by           Date           RUNS         SHORTS           397         0.0           407         0.0           417         2.0           427         0.0           433         0.0           435         0.0           466         1.0           456         0.0           463         0.0           463         0.0           463         0.0           463         0.0           463         0.0           463         0.0           463         0.0           464         1.0           494         0.5			Collar Dip	
Property Commenced Completed Co-ordinates Objective	Sullivan June 24, 1987 June 26, 1987 Description 20 25 27 31 37 43 47 57 67 77 87 97 107 117 127 137 147 157 167	Location Core Size SHORT5 Start 4.5 0.5 1.0 0.0 0.0 0.0 0.0 0.0 0.0 0.0 0.0 0.0	Tests at           Corr. Dip           True Brg.           % Recov.           % Recov.           % Recov.           197         0.0           207         0.0           217         0.0           217         0.0           237         0.0           247         0.0           257         0.0           267         0.0           277         0.0           307         0.0           317         0.0           327         0.0           317         0.0           327         0.0           317         0.0           327         0.0           337         0.0           347         0.0           357         0.0           357         0.0           367         0.0           377         0.0	Hor. Comp.           Vert. Comp.           Logged by           Date           RUNS         SHORTS           397         0.0           407         0.0           417         2.0           427         0.0           433         0.0           435         0.0           466         1.0           456         0.0           463         0.0           463         0.0           463         0.0           463         0.0           463         0.0           463         0.0           463         0.0           464         1.0           494         0.5				
Property Commenced Completed Co-ordinates Objective	Sullivan June 24, 1987 June 26, 1987 Description 20 25 27 31 37 43 47 57 67 77 87 97 107 117 127 137 147 157 167	Location Core Size SHORT5 Start 4.5 0.5 1.0 0.0 0.0 0.0 0.0 0.0 0.0 0.0 0.0 0.0	Tests at           Corr. Dip           True Brg.           % Recov.           % Recov.           % Recov.           197         0.0           207         0.0           217         0.0           217         0.0           237         0.0           247         0.0           257         0.0           267         0.0           277         0.0           307         0.0           317         0.0           327         0.0           317         0.0           327         0.0           317         0.0           327         0.0           337         0.0           347         0.0           357         0.0           357         0.0           367         0.0           377         0.0	Hor. Comp.           Vert. Comp.           Logged by           Date           RUNS         SHORTS           397         0.0           407         0.0           417         2.0           427         0.0           433         0.0           435         0.0           466         1.0           456         0.0           463         0.0           463         0.0           463         0.0           463         0.0           463         0.0           463         0.0           463         0.0           464         1.0           494         0.5				
Property Commenced Completed Co-ordinates Objective	Sullivan June 24, 1987 June 26, 1987 Description 20 25 27 31 37 43 47 57 67 77 87 97 107 117 127 137 147 157 167	Location Core Size SHORT5 Start 4.5 0.5 1.0 0.0 0.0 0.0 0.0 0.0 0.0 0.0 0.0 0.0	Tests at           Corr. Dip           True Brg.           % Recov.           % Recov.           % Recov.           197         0.0           207         0.0           217         0.0           217         0.0           237         0.0           247         0.0           257         0.0           267         0.0           277         0.0           307         0.0           317         0.0           327         0.0           317         0.0           327         0.0           317         0.0           327         0.0           337         0.0           347         0.0           357         0.0           357         0.0           367         0.0           377         0.0	Hor. Comp.           Vert. Comp.           Logged by           Date           RUNS         SHORTS           397         0.0           407         0.0           417         2.0           427         0.0           433         0.0           435         0.0           466         1.0           456         0.0           463         0.0           463         0.0           463         0.0           463         0.0           463         0.0           463         0.0           463         0.0           464         1.0           494         0.5				

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Diamond Drill Goological Log For DDU	6462 Page 1	
Diamond Drill Geological Log For D.D.H. <u>LAT. 20,750 N DEP 22,800 W ELEV. 5450'</u> DIP: -70° AZIM.: 245° LENGTH: 315'		
DIP: -70° AZIM.: 245° LENGTH: 315' HORIZ. COMP. 108 VERT. COMP. 296	GENERAL COMMENTS: Sperry Sun Survey	
DATE COLLARED: June 27, 1987 DATE COMPLETED: June 28, 1987	Depth Azimuth Dip 315' 1540 -690	
CORE STORAGE' Sullivan Mine		
DRILLED ON CLAIM(S): Mat 71		
OBJECTIVE To test an EM geophysical anomaly.		
PLANNED LENGTH 320' TERMINATION COMMENTS: Scattered fine pyrrhotite veinlets intersected explain the anomaly.		APPEND
DRILLED BY: Tonto Drilling (B.C.) Ltd.		XI
TYPE DRILL: Longyear 38 CORE SIZE: NO		<b>—</b>
PERFORMANCE COMMENTS' Good		
· · · · · · · · · · · · · · · · · · ·		
CASING REMAINING IN HOLE (LENGTH & SIZE): 20' HWL + Shoe	LOG LEGEND	
TYPE CAP & SEALING METHOD: 6" welded cap	BED THICKNESS CLASSIFICATION	and the second
· · · · ·	Very Thick Bedded	
OTHER MATERIAL REMAINING IN HOLE' none	- 100 cm /	
	Thick Bedded	
	BEDS Hedlum Bedded	æ .
SURVEY INSTRUMENT USED: Sperry Sun		Argillite
ADDITIONAL DOWN HOLE TESTS: none	Thin Bedded	<u>Autria</u>
	Very Thin Bedded LITHOLOGIC CLASSIFICAT	10m
	1 cm	•••
	Laminated LAMINAE 0,3 cm	
	Thinly Laminated D.D.H. 6462	

Property Sullivan	District Western/Ft. Ste	ele M.D. Hole No. DDH6462	<b>V V</b>			{	
Commenced	Location	Tests at	Hor. Comp.		l		
Completed	Core Size	Corr. Dip	Vert. Comp.			1	1
Co-ordinates		True Brg.	Logged by			â	
Objective		% Recov.	Date	Ctain	T Brg.	Collar	Elev.
						3	ů
Footage Desc From To	ription	· · ·		Anal	ysis 	<u> </u>	Г
0.0 - 20.0	Overburden					1	Γ
0.0 - 20.0					1		Γ
20.0 - 32.0	Wacke, medium to dark grey thick, several light grey cald						Γ
	B, some with Bouma C and st	tarved ripples. The lamina	as and many bed contacts are		Γ		Γ
	sharp and flat, noted one shar at 31'.	rp wavy contact. Bedding (	to core 760 21° and 740			T	Γ
_ ·							
32.0 - 38.5	Quartz arenite (quartz wacke) vague, flat to wavy.	7), medium grey, thick be	edded, contacts distinct to				
	-		un and this badded sursta				
38.5 - 58.3	Wacke 60%, quartz wacke 40%, m wacke is medium bedded, be	ed contacts generally she	arp or distinct (rare vague)				
1	and flat to, for a few, way	vy. Disaggregated argill	lite/subwacke/wacke over 15				
1	ca at 39.5'. Calcareous las type of alteration to contact						
	Gabbro sill, medium grained an						
58.3 - 62.6	green at 60° and totally brown				1_	$\bot$	
62.6 - 78.0	Quartz arenite, light grey,	very thick bedded (single	bed 62.6' to 73.0'). medium		<b> </b>	1	1_
02.0 - /8.0	grained.				<b>L</b> .	1_	1_
78.0 - 85.5	Argillite, subwacke, (wacke),	, medium grey, thin and t	7 bedded, many bed contacts		<u> </u>	4_	_
	shredded, indicative of soft a	sedimentary disturbance.	Wispy patches contain finely		1	$\vdash$	1
	disseminated pyrrhotite.				┨	<u>  </u>	1
85,5 - 102.0	Wacke, subwacke/argillite wit	th rare quarty wacke/qua	artz arenite, medium grey, 97.5. bed contacts concrelly	┣	<u> </u>	1	
1	thin (rare medium) beds, calco	aranne Tawlugrinue 20°n . :	Aanararth	1	1	1	
	sharp and ilat. Pyrrhotite i	is rare but present as f	lecks, fine laminations and			1	
	irregular (small) patches. ( in argillite. Bedding to core	Chlorite flecks to 2 mm	lecks, fine laminations and		F	-	
	irregular (small) patches, ( in argillite. Bedding to core	Chlorite flecks to 2 mm	lecks, fine laminations and				- 
Drill Hole Reco	irregular (small) patches, ( in argillite. Bedding to core	Chlorite flecks to 2 mm	lecks, fine laminations and				
Drill Hole Reco	irregular (small) patches, ( in argillite. Bedding to core	Chlorite flecks to 2 mm 6 59° at 98'. Hole No. DDH6462	lecks, fine laminations and and biotite to 0.5 mm noted				
-	irregular (small) patches, ( in argillite. Bedding to core prd District Location	Chlorite flecks to 2 mm 6 59° at 98'. Hole No. DDH6462 Tests at	lecks, fine laminations and and biotite to 0.5 mm noted				
Property Sullivar	irregular (small) patches, ( in argillite. Bedding to core ord	Hole No. DDH6462 Tests 4t Corr. Dip	Hor. Comp.				
Property Sullivar Commenced	irregular (small) patches, ( in argillite. Bedding to core prd District Location	Hole No. DDH6462 Tests at Corr. Dip True Brg.	Hor. Comp. Logged by			00	
Property Sullivar Commenced Completed	irregular (small) patches, ( in argillite. Bedding to core prd District Location	Hole No. DDH6462 Tests 4t Corr. Dip	Hor. Comp.		Brg.	Collar Dip	Elev.
Property Sullivar Commenced Completed Co-ordinates Objective	irregular (small) patches, ( in argillite. Bedding to core ord District Location Core Size	Hole No. DDH6462 Tests at Corr. Dip True Brg.	Hor. Comp. Logged by		yais	Collar	Elev.
Property Sullivar Commenced Completed Co-ordinates Objective	irregular (small) patches, ( in argillite. Bedding to core prd District Location	Hole No. DDH6462 Tests at Corr. Dip True Brg.	Hor. Comp. Logged by			Collar	Elev.
Property Sullivar Commenced Completed Co-ordinates Objective	irregular (small) patches. ( in argillite. Bedding to core ord District Location Core Size	Chlorite flecks to 2 mm 69° at 98'. Hole No. DDH6462 Tests 4t Corr. Dip True Brg. % Recov.	Hor. Comp. Logged by Date			Collar	Elev.
Property Sullivar Commenced Completed Co-ordinates Objective Footage Desc From Ye 102.0 - 108.5	irregular (small) patches. ( in argillite. Bedding to core ord District Location Core Size ription Guartz arenite (quartz wacke), wague.	Hole No. DDH6462 Tests at Corr. Dip True Brg. % Recov.	lecks, fine laminations and and biotite to 0.5 mm noted Commines Page 3 Hor. Comp. Vert. Comp. Logged by Date Very thick beds, contacts			Collar	Elev.
Property Sullivar Commenced Completed Co-ordinates Objective Footage From To	irregular (small) patches. ( in argillite. Bedding to core prod District Location Core Size ription Quartz arenite (quartz wacke), vague. Wacke, subwacke/argillite. (quart	Hole No. DDH6462 Tests at Corr. Dip True Brg. % Recov.	<pre>lecks, fine laminations and and biotite to 0.5 mm noted Commings Page 3 Hor. Comp. Vert Comp. Logged by Date very thick beds, contacts k grey, elteration incresses</pre>			Collar	Elev.
Property Sullivar Commenced Completed Co-ordinates Objective Footage Desc From Ye 102.0 - 108.5	irregular (small) patches. ( in argillite. Bedding to core District Location Core Size ription Guertz arenite (quartz wacke), wague. Wacke, subwacke/argillite, (qu after 117' (mainly silicificat flat. many bads have light g	Hole No. DDH6462 Tests at Corr. Dip True Brg. % Recov.	<pre>lecks, fine laminations and and biotite to 0.5 mm noted Commings Page 3 Hor. Comp. Logged by Date very thick beds, contacts k grey, elteration increases redded, contacts sharp and prellel laminated intervals,</pre>			Collar	
Property Sullivar Commenced Completed Co-ordinates Objective Footage From To 102.0 - 108.5	irregular (small) patches. ( in argillite. Bedding to core District Location Core Size	Hole No. DDH6462 Tests 41 Corr. Dip True Brg. % Recov. light to medium grey, artz wacke), medium to dar ion), thin to medium b rey, celcareous, flat pa Pyrrhotite as thin lamina interval 108.5 to 10.0'.	<pre>lecks, fine laminations and and biotite to 0.5 mm noted Bomings Page 3 Hor. Comp. Vert Comp. Logged by Date very thick beds, contacts k grey, elteration increases pedded, contacts sharp and arellel laminated intervals, se and fractures and lenses Also there is s 7 mm wide</pre>			Collar	
Property Sullivar Commenced Completed Co-ordinates Objective Footage From To 102.0 - 108.5	irregular (small) patches, ( in argillite. Bedding to core District Location Core Size	Hole No. DDH6462 Tests at Corr. Dip True Brg. % Recov. light to medium grey, artz wacke), medium to dar ion), thin to medium b rey, celeareous, flat pa Pyrrhotite as thin lamina intervel 108.5 to 110.0'. ura with 30% pyrrhotite.	<pre>lecks, fine laminations and and biotite to 0.5 mm noted Bomings Page 3 Hor. Comp. Vert Comp. Logged by Date very thick beds, contacts k grey, elteration increases pedded, contacts sharp and arellel laminated intervals, se and fractures and lenses Also there is s 7 mm wide</pre>			Collar	
Property Sullivar Commenced Completed Co-ordinates Objective Footage From To 102.0 - 108.5	irregular (small) patches. ( in argillite. Bedding to core District Location Core Size	Hole No. DDH6462 Tests at Corr. Dip True Brg. % Recov. light to medium grey, artz wacke), medium to dar ion), thin to medium b rey, celeareous, flat pa Pyrrhotite as thin lamina intervel 108.5 to 110.0'. ura with 30% pyrrhotite.	<pre>lecks, fine laminations and and biotite to 0.5 mm noted Bomings Page 3 Hor. Comp. Vert Comp. Logged by Date very thick beds, contacts k grey, elteration increases pedded, contacts sharp and arellel laminated intervals, se and fractures and lenses Also there is s 7 mm wide</pre>			Collar	
Property Sullivar Commenced Completed Co-ordinates Objective Footage Desc From Ye 102.0 - 108.5	irregular (small) patches. ( in argillite. Bedding to core District Location Core Size	Hole No. DDH6462 Tests at Corr. Dip True Brg. % Recov. light to medium grey, artz wacke), medium to dar ion), thin to medium b rey, celcareous, flat pa Pyrrhotite as thin lamina intervel 108.3 to 110.0'. ure with 30% pyrrhotite. g to core 69° at 119'. lied upper contact, fine	lecks, fine laminations and and biotite to 0.5 mm noted			Collar	
Property Sullivar Commenced Completed Co-ordinates Objective Footage From To 102.0 - 108.5 108.5 - 129.0	irregular (small) patches, ( in argillite. Bedding to core District Location Core Size inputon Guertz arenite (quartz wacke), vague. Wacke, subwacke/argillite, (quartz wacke), vague. Wacke, subwa	Hole No. DDH6462 Tests at Corr. Dip True Brg. % Recov. artz wacke), medium grey, artz wacke), medium to dar ion), thin to medium b rey, calcareous, flat pa Pyrrhotite as thin ismina interval 108.5 to 110.0'. ura with 30% pyrrhotite. g to core 69° at 119'. lied upper contact, fine contact conformable. Ap	<pre>lecks, fine laminations and and biotite to 0.5 mm noted Bomincs Page 3 Hor. Comp. Vert. Comp. Logged by Date very thick beds, contacts wery thick beds, contacts wery thick beds, contacts and fractures and lenses Also there is a 7 mm wide Gross strats conductivity grained dark green, central proaching base grain size</pre>			Collar	
Property Sullivar Commenced Completed Co-ordinates Objective Footage From To 102.0 - 108.5 108.5 - 129.0	irregular (small) patches. ( in argillite. Bedding to core District Location Core Size	Hole No. DDH6462 Tests at Corr. Dip True Brg. % Recov. light to medium grey, artz wacke), medium to dar ion), thin to medium b rey, calcareous, flat pa Pyrrhotite as thin ismina intervel 108.5 to 110.0'. urs with 30% pyrrhotite. g to core 69° at 119'. lied upper contact, fine contact conformable. Ap a denser green - chill	<pre>lecks, fine laminations and and biotite to 0.5 mm noted Bomincs Page 3 Hor. Comp. Vert. Comp. Logged by Date very thick beds, contacts wery thick beds, contacts wery thick beds, contacts and fractures and lenses Also there is a 7 mm wide Gross strats conductivity grained dark green, central proaching base grain size</pre>			Collar	
Property Sullivar Commenced Completed Co-ordinates Objective Footage From To 102.0 - 108.5 108.5 - 129.0	irregular (small) patches. ( in argillite. Bedding to core District Location Core Size in a core si in a core size in a core size in a core	Hole No. DDH6462 Tests at Corr. Dip True Brg. % Recov. light to medium grey, artz wacke), medium to dar ion), thin to medium b rey, celcareous, flat pa Pyrrhotite as thin ismina intervel 108.5 to 110.0'. urs with 30% pyrrhotite. g to core 69° at 119'. lied upper contact, fine contact conformable. Ap a denser green - chill ontact.	<pre>lecks, fine laminations and and biotite to 0.5 mm noted formings Page 3 Hor. Comp. Vert Comp. Logged by Date very thick beds, contacts k grey, elteration increases wedded, contacts sharp and brellel laminated intervals, se and fractures and lenses Also there is s 7 mm wide Gross strats conductivity grained dark green, central oproaching base grain size zone; then 8 cm of medium pht, thin and medium bedded,</pre>			Collar	
Property Sullivar Commenced Completed Co-ordinates Objective Footage From Te 102.0 - 108.5 108.5 - 129.0 129.0 - 145.5	irregular (small) patches. ( in argillite. Bedding to core District Location Core Size	Hole No. DDH6462 Tests at Corr. Dip True Brg. % Recov. light to medium grey, artz wacke), medium to dar ion), thin to medium b rey, calcareous, flat pa pyrrhotite as thin lemina intervel 108.5 to 110.0'. ura with 30% pyrrhotite. g to core 69° at 119'. lled upper contact, fine contact conformable. Ap a denser green - chill ontact. ium grey some dark and lig lipit polarious and some the source of the so	lecks, fine laminations and and biotite to 0.5 mm noted Commings Page 3 Hor. Comp. Vert Comp. Logged by Date very thick beds, contacts k grey, elteration increases bedded, contacts sharp and weilel laminated intervals, te and fractures and lenses Also there is s 7 mm wide Cross strats conductivity grained dark green, central proaching base grain size zone; then 8 cm of medium pht, thin and medium bedded, chroughout that may comprise			Collar	
Property Sullivar Commenced Completed Co-ordinates Objective Footage From Te 102.0 - 108.5 108.5 - 129.0 129.0 - 145.5	irregular (small) patches, ( in argillite. Bedding to core District Location Core Size Core Size wague. Wacke, subwacke/argillite, (quartz wacke), vague. Wacke, subwacke/argillite, fraction decreases end colour becomes grained gabbro in selvage at contacts sharp and flat. Mu one or all of: argillite top, faintly to well lasinated wack	Hole No. DDH6462 Tests at Corr. Dip True Brg. % Recov. light to medium grey, artz wacke), medium to dar ion), thin to medium b rey, calcareous, flat pa Pyrrhotite as thin ismina interval 108.5 to 110.0'. urs with 30% pyrrhotite. g to core 69° at 119'. lied upper contact, fine contact conformable. Ap a denser green - chill ontact. ium grey some dark and lig lightly graded wacke/subw (spaced up to several mm	lecks, fine laminations and and biotite to 0.5 mm noted Hor. Comp. Vert. Comp. Vert. Comp. Logged by Date very thick beds, contacts wery thick beds, contacts were and fractures and lenses Also there is s 7 mm wide Gross strats conductivity grained dark green, central proaching base grain size xone; then 8 cm of medium pht, thin and medium bedded, throughout that may comprise wacke that is not laminated, ) and in some coses calcareous			Collar	
Property Sullivar Commenced Completed Co-ordinates Objective Footage From Te 102.0 - 108.5 108.5 - 129.0 129.0 - 145.5	irregular (small) patches, ( in argillite. Bedding to core District Location Core Size	Hole No. DDH6462 Tests at Corr. Dip True Brg. X Recov. light to medium grey, artz wacke), medium to dar ion), thin to medium b rey, celcareous, flat pa Pyrrhotite as thin ismina intervel 108.3 to 110.0'. urs with 30% pyrrhotite. g to core 69° at 119'. lied upper contact, fine contact conformable. Ap a denser green - chill ontact. ium grey some dark and lig ltiple composition beds t alightly graded wacke/subw (spaced up to several am laminated (flat parallel)	lecks, fine laminations and and biotite to 0.5 mm noted Formings Page 3 Hor. Comp. Vert Comp. Logged by Date very thick beds, contacts k grey, elteration increases wedded, contacts sharp and brellel laminated intervals, se and fractures and lenses Also there is s 7 mm wide Gross strats conductivity grained dark green, central oproaching base grain size zone; then 8 cm of medium pht, thin and medium bedded, throughout that may comprise fack that is not laminated, and in some cases calcareous or wacks. The latter lithotype			Collar	
Property Sullivar Commenced Completed Co-ordinates Objective Footage From Te 102.0 - 108.5 108.5 - 129.0 129.0 - 145.5	irregular (small) patches, ( in argillite. Bedding to core in argillite. Bedding to core brd District Location Core Size	Hole No. DDH6462 Tests at Corr. Dip True Brg. % Recov. light to medium grey, artz wacke), medium to dar ion), thin to medium b rey, celeareous, filt pa Pyrrhotite as thin ismina intervel 108.5 to 110.0'. ure with 30k pyrrhotite. g to core 69° at 119'. lied upper contact, fine contact conformable. Ap a denser green - chill ontact. ium grey some dark and lig liph graded wacke/subw (spaced up to several mm laminated (flat parallel) erturbidite accumulation.	lecks, fine laminations and and biotite to 0.5 mm noted Hor. Comp. Vert Comp. Logged by Date very thick beds, contacts k grey, elteration increases bedded, contacts sharp and arellel laminated intervals, and fractures and lenses Also there is s 7 mm wide Cross strats conductivity grained dark green, central oproaching base grain size zone; then 8 cm of medium pht, thin and medium bedded, bhroughout that may comprise wacke. The latter lithotype Pyrrhotite, usually coarse in the graded beds and is			Collar	
Property Sullivar Commenced Completed Co-ordinates Objective Footage From Te 102.0 - 108.5 108.5 - 129.0 129.0 - 145.5	irregular (small) patches, ( in argillite. Bedding to core District Location Core Size	Hole No. DDH6462 Tests at Corr. Dip True Brg. % Recov. light to medium grey, artz wacke), medium to dar ion), thin to medium b rey, calcareous, flat pa Pyrrhotite as thin ismina intervel 108.5 to 110.0'. ure with 30% pyrrhotite. g to core 69° at 119'. led upper contact, fine contact conformable. Ap a denser green - chill ontact. ium grey some dark and lig ltiple composition beda t a lightly graded wacke/subw (spaced up to several mm laminated (flat parallel) erturbidite accumulation. s typically disseminated r the bases. Very fine	<pre>lecks, fine laminations and and biotite to 0.5 mm noted Hor. Comp. Vert. Comp. Logged by Date very thick beds, contacts k grey, elteration increases medded, contacts sharp and ireliel laminated intervals, e and fractures and lenses Also there is a 7 mm wide Gross strats conductivity grained dark green, central oproaching base grain size xone; then 8 cm of medium pht, thin and medium bedded, throughout that may comprise racke that is not laminated, a) and in some comes calcareous wacke. The latter lithotype Pyrrhotite, usually coarse in the graded beds and is pyrrhotite is found in some</pre>			Collar	
Property Sullivar Commenced Completed Co-ordinates Objective Footage From Te 102.0 - 108.5 108.5 - 129.0 129.0 - 145.5	irregular (small) patches, ( in argillite. Bedding to core District Location Core Size	Hole No. DDH6462 Tests at Corr. Dip True Brg. % Recov. light to medium grey, artz wacke), medium to dar inn), thin to medium b rey, celcareous, flat pa Pyrrhotite as thin lamina intervel 108.5 to 110.0'. ure with 30% pyrrhotite. g to core 69° at 119'. lied upper contact, fine contact conformable. Ap a denser green - chill ontact. ium grey some dark and lig ltiple composition beds t alightly graded wacke/subw (spaced up to several mm laminated (flat parallel) erturbidite accumulation. a typically disseminated r the bases. Very fine tess. A 5 mm thick pyrrh	lecks, fine laminations and and biotite to 0.5 mm noted Hor. Comp. Vert. Comp. Logged by Date very thick beds, contacts k grey, elteration increases wedded, contacts sharp and trellel laminated intervals, seand fractures and lenses Also there is s 7 mm wide Gross strats conductivity grained dark green, central oproaching base grain size zone; then 8 cm of medium th, thin and medium bedded, throughout that may comprise macks that is not laminated, and in some cases calcareous wacks. The latter lithotype Pyrrhotite, usually coarse in the graded beds and is pyrite layer contains about			Collar	
Property Sullivar Commenced Completed Co-ordinates Objective Footage From Te 102.0 - 108.5 108.5 - 129.0 129.0 - 145.5	irregular (small) patches, ( in argillite. Bedding to core District Location Core Size	Hole No. DDH6462 Tests at Corr. Dip True Brg. % Recov. light to medium grey, artz wacke), medium to dar inn), thin to medium b rey, celcareous, flat pa Pyrrhotite as thin lamina intervel 108.5 to 110.0'. ure with 30% pyrrhotite. g to core 69° at 119'. lied upper contact, fine contact conformable. Ap a denser green - chill ontact. ium grey some dark and lig ltiple composition beds t alightly graded wacke/subw (spaced up to several mm laminated (flat parallel) erturbidite accumulation. a typically disseminated r the bases. Very fine tess. A 5 mm thick pyrrh	lecks, fine laminations and and biotite to 0.5 mm noted Hor. Comp. Vert. Comp. Logged by Date very thick beds, contacts k grey, elteration increases wedded, contacts sharp and trellel laminated intervals, seand fractures and lenses Also there is s 7 mm wide Gross strats conductivity grained dark green, central oproaching base grain size zone; then 8 cm of medium th, thin and medium bedded, throughout that may comprise macks that is not laminated, and in some cases calcareous wacks. The latter lithotype Pyrrhotite, usually coarse in the graded beds and is pyrite layer contains about			Collar	
Property Sullivar Commenced Completed Co-ordinates Objective Footage From Te 102.0 - 108.5 108.5 - 129.0 129.0 - 145.5	irregular (small) patches, ( in argillite. Bedding to core District Location Core Size	Hole No. DDH6462 Tests at Corr. Dip True Brg. % Recov. light to medium grey, artz wacke), medium to dar ion), thin to medium b rey, celcareous, flat pa Pyrrhotite as thin ismina intervel 108.5 to 110.0'. urs with 30% pyrrhotite. g to core 69° at 119'. lied upper contact, fine contact conformable. Ap a denser green - chill ontact. ium grey some dark and lig ltiple composition beds t alightly graded wacke/subw (spaced up to several mm laminated (flat parollel) erturbidite accumulation. s typically disseminated r the bases. Very fine tes. A 5 mm thick pyrth log to core 70° at 146', 68 colcareous guartz aremit	lecks, fine laminations and and biotite to 0.5 mm noted Hor. Comp. Vert. Comp. Logged by Date very thick beds, contacts k grey, elteration increases bedded, contacts sharp and brellel laminated intervals, se and fractures and lenses Also there is s 7 mm wide Gross strats conductivity grained dark green, central oproaching base grain size xone; then 8 cm of medium pht, thin and medium bedded, throughout that may comprise facks that is not laminated, also and in some coses calcareous wacke. The latter lithotype Pyrrhotite, usually coarse in the graded beds and is pyrrhotite is found in some hotite layer contains about 30 at 166', 70° at 183', 71°			Collar	

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Property Sullivan Commenced	District Location Core Size		Hole No. DDH6462 Tests at Corr. Dip	Hor. Comp. Vert. Comp.			
Completed	Core Size		True Brg.	Logged by			đ
Co-ordinates Objective		<u> </u>	% Recov.	Date	E	T Brg.	Collar C
Objective							
Footage Des From To	cription				Ana	lysis	1
225.0 - 241.0	is disaggregated (clea at 235'.	avage present	t so probably tect	onic). Bedding to core 710	-	+	
241.0 - 277.0	Wacke, subwacke/argillit	te possibly so	ome (dark) quartz w	acke, medium to dark grey.		t	$\pm$
	medium and thin bedde	ad. 50% of	beds internally fin	ely laminated, contacts and d in a few very thin beds		$\bot$	
	or near basal contacts	of some bed	ds; two or three be	d contacts might have up to $71^{\circ}$ at 245', $70^{\circ}$ at 255',		╀	+
[	74° at 265', 71° at 274'	· ·				+	+
277.0 - 296.0	Wacke and quartz wacke,	, minor subwad	cke/argillite, mediu	m and thick beds; the wacke		$\uparrow$	+
	clasts. Contacts irragu	lar except fe	ew thin beds. Pyrrh	to disaggregated tops and notite irregularly disseminated		T	
	and in small clusters to	5 mm through	hout. Bedding to co	ore 70° at 286'.		$\perp$	
296.0 - 315.0	Wacke, subwacke/argillit	te with Rind	or quartz wacke;	wacke/subwacke/argillite is bed contacts; quartz wacke		+	
	is very calcareous, Redi	lus to light	grey, sedius and	thick bedded with parallel leavage (7) chlorites noted		+	+
	in this argillaceous top	os. Veak pyri	rhotite occurrences	below 307', one 3 mm thick		+	+
	seam at 310'. Bedding t	to core 75° at	t 299', 75° at 310'.			T	T
1	***** END	OF HOLE AT 3	15.0 FEET *****			$\bot$	F
						╀	+-
					-	+	+
					-		
1							
Drill Hole Reco	ord			CominCO Page 5			
Property Sullivan	District		Hole No. DDH6462	<b>\$</b> -\$			i de
Property Sullivan Commenced	District Location		Tests at	Hor. Comp.			n de la companya de la
Property Sullivan Commenced Completed	District			<b>\$</b> -\$			Dip
Property Sullivan Commenced	District Location		Tests at Corr. Dip	Hor. Comp. Vert. Comp.	min	Brg.	ollar Dip
Property Sullivan Commenced Completed Co-ordinates Objective	District Location Core Size		Tests at Corr. Dip True Brg.	Hor. Comp. Vert. Comp. Logged by			Collar Dip
Property Sullivan Commenced Completed Co-ordinates Objective	District Location		Tests at Corr. Dip True Brg.	Hor. Comp. Vert. Comp. Logged by			Collar Dip
Property Sullivan Commenced Completed Co-ordinates Objective	District Location Core Size		Tests at Corr. Dip True Brg.	Hor. Comp. Vert. Comp. Logged by			Collar Dip
Property Sullivan Commenced Completed Co-ordinates Objective	District Location Core Size	Вуля	Tests at Corr. Dip True Brg.	Hor. Comp. Vert. Comp. Logged by			Collar Dip
Property Sullivan Commenced Completed Co-ordinates Objective	District Location Core Size	182	Tests at Corr. Dip True Brg. % Recov. Shorts 0.0	Hor. Comp. Vert. Comp. Logged by			Coltar Dip
Property Sullivan Commenced Completed Co-ordinates Objective	District Location Core Size	182 185 191	Tests at Corr. Dip True Brg. % Recov. Shorts 0.0 0.0 0.0	Hor. Comp. Vert. Comp. Logged by			Cottar Dip
Property Sullivan Commenced Completed Co-ordinates Objective	District           Location           Core Size           ription           Runs         Shorts           20         0.8           25         0.3           33         0.5           37         0.0           47         0.5	182 185	Tests at Corr. Dip True Brg. % Recov. Shorts 0.0	Hor. Comp. Vert. Comp. Logged by			Coltar Dip
Property Sullivan Commenced Completed Co-ordinates Objective	District           Location           Core Size           ription           Runs         Shorts           20         0.8           25         0.3           33         0.5           37         0.0           47         0.5           57         0.5	182 185 191 197 203 212	Tests at           Corr. Dip           True Brg.           % Recov.           Shorts           0.0           0.0           0.0           0.0           1.0	Hor. Comp. Vert. Comp. Logged by			
Property Sullivan Commenced Completed Co-ordinates Objective	District           Location           Core Size           Core Size           ription           Runs         Shorts           20         0.8           25         0.5           33         0.5           37         0.0           47         0.5           57         0.5           67         0.0           77         0.0	182 183 191 197 203 212 215 220	Tests st           Corr. Dip           True Brg.           % Recov.           % Recov.           Shorts           0.0           0.0           0.0           0.0           0.0           0.0           0.0           0.0           0.0           0.0           0.0           0.0           0.0           0.0           0.0	Hor. Comp. Vert. Comp. Logged by			Cottar Dip
Property Sullivan Commenced Completed Co-ordinates Objective	District           Location           Core Size           Core Size           ription           20         0.8           25         0.3           33         0.5           37         0.0           47         0.5           57         0.5           67         0.0           77         0.0           87         0.0           92         0.5	182 183 191 197 203 212 215 220 225 230	Tests at           Corr. Dip           True Brg.           % Recov.           Shorts           0.0           0.0           0.0           0.0           0.0           0.0           0.0           0.0           0.0           0.0           0.0           0.0           0.0           0.0           0.0           0.0           1.0           0.5           0.0           0.5	Hor. Comp. Vert. Comp. Logged by			Coltar Dip
Property Sullivan Commenced Completed Co-ordinates Objective	District           Location           Core Size           Core Size           ription           20         0.8           25         0.3           33         0.5           37         0.0           47         0.5           57         0.5           67         0.0           87         0.0           92         0.5           97         0.0           107         0.0	182 185 191 197 203 212 215 220 225 230 233 233 237	Tests st           Corr. Dip           True Brg.           % Recov.           % Recov.           0.0           0.0           0.0           0.0           0.0           0.0           0.0           0.0           0.0           0.0           0.0           0.0           0.0           0.0           0.0           0.0           0.0           0.0           0.0           0.5           0.0           0.5           0.0           0.5	Hor. Comp. Vert. Comp. Logged by			Cottar Dip
Property Sullivan Commenced Completed Co-ordinates Objective	District           Location           Core Size           Core Size           ription           Runs         Shorts           20         0.8           25         0.3           33         0.5           37         0.0           47         0.5           57         0.5           67         0.0           77         0.0           87         0.0           92         0.5           97         0.0           107         0.0           117         0.0	182 185 191 197 203 212 215 220 225 230 233 237 247 257	Tests at           Corr. Dip           True Brg.           % Recov.           % Recov.           0.0	Hor. Comp. Vert. Comp. Logged by			Collar Dip
Property Sullivan Commenced Completed Co-ordinates Objective	District           Location           Core Size           Core Size           ription           Runs         Shorts           20         0.8           25         0.5           33         0.5           37         0.0           47         0.5           57         0.5           67         0.0           77         0.0           87         0.0           92         0.5           97         0.0           107         0.0           117         0.0           137         0.0           137         0.0           147         0.0	182 183 191 197 203 212 215 220 225 230 233 237 247 257 267 257 267	Tests at           Corr. Dip           True Brg.           % Recov.           % Recov.           0.0	Hor. Comp. Vert. Comp. Logged by			Coltar Dip
Property Sullivan Commenced Completed Co-ordinates Objective	District           Location           Core Size           Core Size           ription           Runs         Shorts           20         0.8           25         0.5           33         0.5           37         0.0           47         0.5           57         0.5           67         0.0           77         0.0           87         0.0           92         0.5           97         0.0           107         0.0           117         0.0           137         0.0	182 185 191 197 203 212 215 220 225 230 233 233 237 247 257 267	Tests at           Corr. Dip           True Brg.           % Recov.           % Recov.           0.0           0.0           0.0           0.0           0.0           0.0           0.0           0.0           0.0           0.0           0.0           0.0           0.0           0.0           0.0           0.0           0.0           0.0           0.5           0.0           0.5           0.0           0.0           0.0           0.0	Hor. Comp. Vert. Comp. Logged by			Cottar Dip
Property Sullivan Commenced Completed Co-ordinates Objective	District           Location           Core Size           Core Size           core Size           ription           Runs         Shorts           20         0.8           25         0.5           33         0.5           37         0.0           47         0.5           57         0.5           67         0.0           77         0.0           87         0.0           92         0.5           97         0.0           107         0.0           127         0.0           137         0.0           137         0.0           137         0.0           137         0.0           137         0.0           137         0.0           137         0.0           155         1.0           155         0.0	182 185 191 197 203 212 215 220 225 230 233 237 247 257 267 272 277 285 290	Tests at           Corr. Dip           True Brg.           % Recov.           % Recov.           0.0           0.0           0.0           0.0           0.0           0.0           0.0           0.0           0.0           0.0           0.0           0.0           0.0           0.0           0.0           0.0           0.0           0.0           0.0           0.5           0.0           0.0           0.0           0.5           0.0           0.0           0.0           0.0           0.0           0.0           0.0           0.0           0.0           0.5           0.5	Hor. Comp. Vert. Comp. Logged by			Collar Dip
Property Sullivan Commenced Completed Co-ordinates Objective	District           Location           Core Size           Core Size           ription           Runs         Shorts           20         0.8           25         0.3           33         0.5           37         0.0           47         0.5           57         0.5           67         0.0           92         0.5           97         0.0           107         0.0           127         0.0           137         0.0           137         0.0           137         0.0           155         1.0           157         1.0	182 183 191 197 203 212 215 220 225 230 233 237 247 257 267 277 267 277 285 290 298 307	Tests at           Corr. Dip           True Brg.           % Recov.           % Recov.           0.0           0.0           0.0           0.0           0.0           0.0           0.0           0.0           0.0           0.0           0.0           0.0           0.0           0.0           0.0           0.0           0.0           0.0           0.5           0.0           0.5           0.0           0.5           0.0           0.5           0.0           0.5           0.5           0.5           0.5           0.5           0.5           0.5           0.5           0.5           0.5           0.5           0.5	Hor. Comp. Vert. Comp. Logged by			Coltar Dip
Property Sullivan Commenced Completed Co-ordinates Objective	District           Location           Core Size           Core Size           ription           Runs         Shorts           20         0.8           25         0.5           33         0.5           37         0.0           47         0.5           57         0.5           67         0.0           77         0.0           87         0.0           107         0.0           117         0.0           127         0.0           137         0.0           147         0.0           155         1.0           157         1.0           167         0.5	182 183 191 197 203 212 215 220 225 230 233 237 247 257 267 257 267 272 277 285 290 298	Tests at           Corr. Dip           True Brg.           % Recov.           % Recov.           0.0	Hor. Comp. Vert. Comp. Logged by			
Property Sullivan Commenced Completed Co-ordinates Objective	District           Location           Core Size           Core Size           ription           Runs         Shorts           20         0.8           25         0.5           33         0.5           37         0.0           47         0.5           57         0.5           67         0.0           77         0.0           87         0.0           107         0.0           117         0.0           127         0.0           137         0.0           147         0.0           155         1.0           157         1.0           167         0.5	182 183 191 197 203 212 215 220 225 230 233 237 247 257 267 277 267 277 285 290 298 307	Tests at           Corr. Dip           True Brg.           % Recov.           % Recov.           0.0           0.0           0.0           0.0           0.0           0.0           0.0           0.0           0.0           0.0           0.0           0.0           0.0           0.0           0.0           0.0           0.0           0.0           0.5           0.0           0.5           0.0           0.5           0.0           0.5           0.0           0.5           0.5           0.5           0.5           0.5           0.5           0.5           0.5           0.5           0.5           0.5           0.5	Hor. Comp. Vert. Comp. Logged by			Collar Dip

	6463				
LAT. 3,936 N DEP. 37,740 W ELEV. 5950 DIP: -60° AZIM.: 245° LENGTH: 997'					
HORIZ. COMP. 499' VERT. COMP. 863'	GENER	AL COMMEN	Depth	rry Sun Surve Azimuth	Dip
DATE COLLARED: June 29, 1987 DATE COMPLETED: July 7, 1987			797	2450	-600
CORE STORAGE: Sullivan Mine					
DRILLED ON CLAIM(S): Mat 265					· · · · · · · · · · · · · · · · · · ·
OBJECTIVE: To test Aldridge strata for lead and Zinc sulphide					
mineralization.					
PLANNED LENGTH: 1,000'					
TERMINATION COMMENTS: No significant sulphides were recovered.			· · · · · · · · · · · · · · · · · · ·		
DRILLED BY: Tonto Drilling (B.C.) Ltd.					
TYPE DRILL: Longyear 38			·····		
CORE SIZE: NQ					
PERFORMANCE COMMENTS: Adequate, ground more broken than normal.		<del></del>		······································	
		·			······································
				·····	
		······			
CASING REMAINING IN HOLE (LENGTH & SIZE): 10' HWL Rod + Shoe				LOG	<u>LEGEND</u>
CASING REMAINING IN HOLE (LENGTH & SIZE): 10' HWL Rod + Shoe TYPE CAP & SEALING METHOD: 6" welded cap		BED THIC	CKNESS CLAS		<u>S LEGEND</u>
TYPE CAP & SEALING METHOD: 6" welded cap		BED THIC		SIFICATION	
		BED THIC	Very	SIFICATION Thick Bedded	
TYPE CAP & SEALING METHOD: 6" welded cap		<u>BED THIC</u>	Very	SIFICATION	
TYPE CAP & SEALING METHOD: 6" welded cap		· ·	Very	SIFICATION Thick Bedded 100 cm	
TYPE CAP & SEALING METHOD: 6" welded cap OTHER MATERIAL REMAINING IN HOLE: none		<u>BED THIC</u> BEDS	Very Thi Med	SIFICATION Thick Bedded 100 cm	
TYPE CAP & SEALING METHOD: 6" welded cap		· ·	Very Thi Med	SIFICATION Thick Bedded 100 cm ck Bedded - 30 cm lium Bedded - 10 cm	
TYPE CAP & SEALING METHOD: 6" welded cap OTHER MATERIAL REMAINING IN HOLE: none SURVEY INSTRUMENT USED: Sperry Sun		· ·	Very Thi Med	SIFICATION Thick Bedded 100 cm ck Bedded - 30 cm lium Bedded - 10 cm in Bedded	
TYPE CAP & SEALING METHOD: 6" welded cap OTHER MATERIAL REMAINING IN HOLE: none		· ·	Very Thi Med	SIFICATION Thick Bedded 100 cm ck Bedded - 30 cm lium Bedded - 10 cm in Bedded - 3 cm	Duartiz
TYPE CAP & SEALING METHOD: 6" welded cap OTHER MATERIAL REMAINING IN HOLE: none SURVEY INSTRUMENT USED: Sperry Sun		· ·	Very Thi Med	SIFICATION Thick Bedded 100 cm ck Bedded - 30 cm lium Bedded - 10 cm in Bedded	Duartiz

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Property Sulliva Commenced	n District Western / Ft. Steele M.D.Hole No. DDH 6463 Location Tests at Hor. Comp.		ł			
Completed	Core Size Corr. Dip Vert. Comp.	1				
	True Brg. Logged by	-		a		1
Co-ordinates	% Recov. Date	ΠE	ė			
Objective		Claim	T Brg.	3	Elev	
	cription	Ana	iysia	1	T	
	Dverburden		1-	1	1-	
0.0 - 10.0			1	$\top$	1-	
10.0 - 34.0	50% recovery, core broken on fractures and bedding. Quartz wacke, wacke, subwacke/argillite, medium grey, medium bedded, bed contacts distinct to vague and flat, minor weathering. Slickensides on several bedding			-	-	-
	contacts and at low angle to bedding. Bedding to core 840 @ 12', 720 @ 32'.					
34.0 - 62.0	65% recovery, several crumbly sections in thick beds. Quartzwacke, lowest bed is quartz arenite, bed tops graded to argillaceous, light			<u> </u>		
	grey, thick to very thick bedded (probably some bed contacts lost in drilling).				4_	1
	Nost beds are fine and grain size, lowest is medium. Bed contacts not usually seen, some thin beds have bedding-parallel slip, and a 2 cm gouge zone at base		4_	_	4_	
1	of thick bed at 62'.		╀	-	+	
62.0 - 94.0	65% recovery.		┨	1-		1
02.0 0 04.0	Wacke with subwacke/argillite tops and 15% quartzwacke, medium to light grey,		+	+	┨	
	some quartzwacke medium and fine grained, medium bedded with few thin beds, quartzwacke is thick bedded, bed contacts sharp to vague, flat, some wavy, many have slickensided				+	_
	surfaces and thin gouge zones. Bedding to core 81° # 77'.	1-		+		
94.0 - 115.0	55% recovery.		╋		+	
	Wacke, medium grey, medium bedded, one thick and several thin beds, bed contacts from distinct to vague and generally flat, slickensides and small gouge zones		+	+	+	
· ·	parallel or at low angle to bedding. Bedding to core $82^{\circ}$ @ 100'.		$\mathbf{T}$	1	1	
115.0 - 116.0	Gabbro dike, alterted, with quartz.					_
116.0 - 117.0	Wacke, altered, broken.		L			
117.0 - 118.0	Broken, includes gouge and coarse micaceous igneous(?) material.		-	+		
118.0 - 121.0	No core (i.e. intervals above may be thicker).		<u> </u>	 	1	
Drill Hole Reco	ord Rominco Page 3					
Drill Hole Reco	an District Hole No. DDH 6463					
Drill Hole Reco Property Sulliv Commenced	ord an District Hole No. DDH 6463 Location Tests at Hor. Comp.					
Drill Hole Reco Property Sulliv Commenced Completed	ord       Annon     District     Hole No.     DDH 6463       Location     Tests at     Hor. Comp.       Core Size     Corr. Dip     Vert. Comp.					
Drill Hole Reco Property Sulliv Commenced Completed Co-ordinates	Drd an District Hole No. DDH 6463 Location Tests at Hor. Comp. Core Size Corr. Dip Vert. Comp. True Brg. Logged by			lar Dip		
Drill Hole Reco Property Sulliv Commenced Completed	Drd an District Hole No. DDH 6463 Location Tests at Hor. Comp. Core Size Corr. Dip Vert. Comp. True Brg. Logged by		T Brg.	Collar Dip	Elev.	
Drill Hole Reco Property Sulliv Commenced Completed Co-ordinates Objective	Drd an District Hole No. DDH 6463 Location Tests at Hor. Comp. Core Size Corr. Dip Vert. Comp. True Brg. Logged by			Collar Dip	Elev.	
Drill Hole Reco Property Sulliv Commenced Co-ordinates Objective Footage Desc	ord       End     End     Page 3       an     District     Hole No.     DDH 6463       Location     Tests at     Hor. Comp.       Core Size     Corr. Dip     Vert. Comp.       True Brg.     Logged by       % Recov.     Date			Collar Dip	Elev.	
Drill Hole Reco Property Sulliv Commenced Completed Co-ordinates Objective	Ord     Common Page 3       an     District     Hole No.     DDH 6463       Location     Tests at     Hor. Comp.       Core Size     Corr. Dip     Vert. Comp.       True Brg.     Logged by       % Recov.     Date			Collar Dip	Elev.	
Drill Hole Reco Property Sulliv Commenced Co-ordinates Objective Footage Desc	District       Hole No.       DDH 6463         Location       Tests at       Hor. Comp.         Core Size       Corr. Dip       Vert. Comp.         True Brg.       Logged by         % Recov.       Date			Collar Dip	Elev.	
Drill Hole Reco Property Sulliv Commenced Completed Co-ordinates Objective Footage Footage Footage Footage 121.0 - 133.0	Ord       Image: Second state state       Hole No.       DDH 6463         an       District       Hole No.       DDH 6463         Location       Tests at       Hor. Comp.         Core Size       Corr. Dip       Vert. Comp.         True Brg.       Logged by         % Recov.       Date			Collar Dip	Elev.	
Drill Hole Reco Property Sulliv Commenced Co-ordinates Objective Footage From To Desc	District       Hole No.       DDH 6463         Location       Tests at       Hor. Comp.         Core Size       Corr. Dip       Vert. Comp.         True Brg.       Logged by         % Recov.       Date			Collar Dip	Elev.	
Drill Hole Reco Property Sulliv Commenced Completed Co-ordinates Objective Footage From To 121.0 - 133.0	Ord       District       Hole No.       DDH 6463         Location       Tests at       Hor. Comp.         Core Size       Corr. Dip       Vert. Comp.         True Brg.       Logged by         % Recov.       Date				Elev.	
Drill Hole Reco Property Sulliv Commenced Completed Co-ordinates Objective Footage From To 121.0 - 133.0	ord       Jord       Hole No. DDH 6463         an       District       Hole No. DDH 6463         Location       Tests at       Hor. Comp.         Core Size       Corr. Dip       Vert. Comp.         True Brg.       Logged by         % Recov.       Date			Collar Dip	Elev	
Drill Hole Reco Property Sulliv Commenced Completed Co-ordinates Objective Footage From To 121.0 - 133.0 133.0 - 154.0	District       Mole No.       DDH 6463         Location       Tests at       Hor. Comp.         Core Size       Corr. Dip       Vert. Comp.         True Brg.       Logged by         % Recov.       Date			Collar Dip	Elev	
Drill Hole Reco Property Sulliv Commenced Completed Co-ordinates Objective Footage From To 121.0 - 133.0 133.0 - 154.0	District       Hole No.       DDH 6463         Location       Tests at       Hor. Comp.         Core Size       Corr. Dip       Vert. Comp.         True Brg.       Logged by         % Recov.       Date			Collar Dip	Elev.	
Drill Hole Reco Property Sulliv. Commenced Completed Co-ordinates Objective Footage From To 121.0 - 133.0 133.0 - 154.0 154.0 - 162.0 162.0 - 167.5	ord       formation       Page 3         an       District       Mole No. DDH 6463         Location       Tests at       Mor. Comp.         Core Size       Corr. Dip       Vert. Comp.         True Brg.       Logged by       %         % Recov.       Date       Secondary         ripulon       % Recov.       Date         Vacke generally with subwacke/argillite tops, a few quartzwacke beds are present, modium to thin bedded, bed contacts generally sharp and flat (some flames and rip-upa), slickensides and small gouge zones parallel or at small engle to bedding.         Bedding to core 650 @ 130'.       Guartz arenite, quartzwacke and wacke in first 15', medium to light grey, fine and very fine grained, medium (few thick and thin) bedded, bed contacts sharp to distinct. flat (few wery), slickensides noted on two bedding surfaces and a 3me wide gouge zone on one. Bedding to core 790 @ 149'.         Wacke, subwacke/argillite with two quartz arenite beds at bottom, thin to very thin bedded with one interval laminated and two medium beds and two thick beds at bottom, bed contacts sharp to vague and flat to irregular, slickensides parallel to bedding on at least 5 beds. Bedding to core 750 @ 160'.         Gabbro, greenish grey, fine grained, sill.       Gabbro, greenish grey, fine grained, sill.					
Drill Hole Reco Property Sulliv. Commenced Co-ordinates Objective Footage From To 121.0 - 133.0 133.0 - 154.0 154.0 - 162.0	District       Hole No.       DDH 6463         an       District       Hole No.       DDH 6463         Location       Tests at       Hor. Comp.         Core Size       Corr. Dip       Vert. Comp.         True Brg.       Located by         % Recow.       Date					
Drill Hole Reco Property Sulliv. Commenced Completed Co-ordinates Objective Footage From To 121.0 - 133.0 133.0 - 154.0 154.0 - 162.0 162.0 - 167.5	ord       Common Page 3         an       District       Hole No.       DDH 6463         Location       Tests at       Hor. Comp.         Core Size       Corr. Dip       Vert. Comp.         True Brg.       Logged by         % Recov.       Date         stription       Vacke generally with subwacke/argillite tops, a few quartzwacke beds are present, modius to thin bedded, bed contacts generally sharp and flat (some flames and rip-upp.), slickensides and scall gouge zones parallel or at scall engle to bedding. Bedding to core 85° @ 130'.         Guartz arenite, quartzwacke and wacks in first 15', medium to light grey, fine and very fine grained, medium (few thick and thin) bedded, bed contacts sharp to distinct, flat (few wary), slickensides noted on two bedding surfaces and a 3sm wide gouge zone on one. Bedding to core 79° \$ 149'.         Wacke, subwacke/argillite with two quartz arenite beds at bottom, thin to very thin bedded with one interval laminated and two medium beds end two thick beds at bottom, beds are to the the beds at bottom, beds and two thick beds at bottom, beds are body or thing areallel to bedding to core 75° \$ 160'.         Gabbro, greenish grey, fine grained, sill.       Guarts arenite, light grey, thick bedded (30-40 cm) with wacke/subwacke or argillite tops grained.         Guarts arenite, light grey, thick bedded (30-40 cm) with wacke/subwacke or argillite tops grained.       Surfaces and series hosogeneous			Collar Dip		
Drill Hole Reco Property Sulliv. Commenced Completed Co-ordinates Objective Footage From To 121.0 - 133.0 133.0 - 154.0 154.0 - 162.0 162.0 - 167.5	Ord         District         Hole No.         DDH 6463           an         District         Hole No.         DDH 6463           Location         Tests at         Hor. Comp.           Core Size         Corr. Dip         Vert. Comp.           Core Size         Corr. Dip         Vert. Comp.           True Brg.         Logged by         %           % Recov.         Date         Second S			Collar Dip		
Drill Hole Reco Property Sulliv. Commenced Completed Co-ordinates Objective Foolage Foolage 121.0 - 133.0 133.0 - 154.0 154.0 - 162.0 162.0 - 167.5 167.5 - 176.0	ord       Noie No. DDH 6463         an       District       Hole No. DDH 6463         Location       Tests at       Hor. Comp.         Core Size       Corr. Dip       Vert. Comp.         True Brg.       Logged by       X         % Recov.       Date       Stresson         ripulon       Y       Recov.       Date         Vacke generally with subwacke/srgillite tops, a few quartzwacke beds are present, wodius to thin bedded, bed contacts generally sharp and flat (score flames and rip-ups), elickennides and exall gouge zones perallel or at exall engle to bedding.         Suartz arenite, quartzwacke and wacke in first 15', medius to light grey, fine and very fine grained, medium (few thick end thin) bedded, bed contacts sharp to distinct, flat (few uevy), elickensides noted on two bedding surfaces and a 3m wide gouge zone on one. Bedding to core 79° # 149'.         Wacke, subwacke/srgillite with two quartz arenite beds at bottom, thin to very thin bedded with one interval laminated end two medium beds and two thick beds at bottom, thin to very thin deds. Bedding to core 79° # 169'.         Gebbro, greenish grey, fine grained, sill.         Duartz arenite, light grey, thick bedded (30-40 cm) with wacke/subwacke or argillite tops 10 cm - 1 cm, bed contacts distinct and flat to wery, beds are homogeneous over sost of their thickness. Slickensides noted paralle and et small angle to bedding.         Wacka, subwacke/o, argillito and quartzwacko and quartz arenite, thin to very thin with few medium and thick bedd, soee lasinated intervals, the thickest beds are m					
Drill Hole Reco Property Sulliv. Commenced Completed Co-ordinates Objective Footage From To 121.0 - 133.0 133.0 - 154.0 154.0 - 162.0 162.0 - 167.5 167.5 - 176.0	an       District       Hole No.       DDH 6463         an       Location       Tests at       Hor. Comp.         Core Size       Corr. Dip       Vert. Comp.         Core Size       Corr. Dip       Vert. Comp.         True Brg.       Logged by         % Recov.       Date			Collar Dip		

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Quartz arenite, minor wacke/subwacke/argillite, thick bedded with 1 foot interval of thin and very thin bedded wacke/subwacke/argillite 111.0 - 112.5', bed contacts distinct to sharp and flat to wavy. Slickensides noted on bedding surfaces 111.0 - 112.5. Bedding to core 60° 9 111.0'. 204.0 - 214.5

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cale		Drill Hole Re	cord							
Dipe	ы <b></b> -		í va n District	Hole No. DDH646						thet
-111		Property Sull Commenced	Location	Tests at	Hor. Comp.					i l
		Completed	Core Size	Corr. Dip	Vert. Comp.					
<b>     </b>		Co-ordinates		True Brg.	Logged by			a		e g
		Objective		% Recov.	Date	Ciai Ei	T Brg.	Collar	Elev.	Length Hole No.
	9					Anal		10	<u>ju</u>	≖ <u>ا</u> د
		Footage D From To	escription	•			-			
		214.5 - 221.0	Wacke, subwacke/argillite, med and broken core, bed contacts no		thin bedded, some weathering					
		221.0 - 228.0	Quartz arenite, quartzwacke mino with short sections thin bedde generally flat, slickensides not	d to laminated, bed com	ntacts sharp or distinct and					
		228.0 - 235.0	Wacke, subwacke/argillite, mediu sharp and flat, some have slicke							
		235.0 - 241.5	Quartz arenite, light grey, wavy.	thick bedded, bed con-	tacts (2) distinct, flat and					
		241.5 - 244.0	Wacke, subwacke/argillite, one q	uartz arenite, light	to medium grey, thin and		<u> </u>	1		$\square$
			medium bedded, contacts sharp an on bed contacts. Bedding to cor	• 86° @ 243'.		E				
		244.0 - 264.0	Quartz aronite, quartzwackg, wac grey, thick to thin bedded,	with minor Subwacke bed contacts sharp to	/argillite, medium to light distinct and generally flat					$\square$
			(flame? or load feature at 247.5 Bedding to core 87° @ 250'.	'), slickensides seen	on only four bed surfaces.		+			$\left  - \right $
		264.0 - 274.0	Wacke, with quartzwacke, quartz	arenite, subwacke/arg	illite, medium grey, medium					$\square$
			to thin bedded, bed contacts sha several beds contain rip-up clas thin quartzwacke/argillite beds	ts (usually of argillit	e tops) and near 273' several	E				
		274.0 - 283.0	Quartz arenite, minor subwacke/a argillite (wacke] 277-278'), bed	rgillite, light grey, t contacts distinct, ali	hick bedded (thin subwacks/ ghtly wavy.					
		283.0 - 293.0	Wacke, quartzwacke, quartz areni wacke/quartz arenite) and thin b	te, subwacke/argillite, wedded, contacts sharp a	medium grey, medium (quartz- nd flat to wavy, bed laminated	. –		-		
- UII		L								811-8435
innel		Drill Hole Re	cord		Cominco Page 5	1				
r sada		Property Sulli	van District	Hole No. DDH 646	<b>5</b> 3		1			
Ш		Commenced	Location	Tests at	Hor. Comp.					
		Completed	Core Size	Corr. Dip	Vart. Comp.			l		
		Co-ordinates		True Brg.	Logged by			đ		
		Objective		% Ascov.	Date		ġ	4 m.		Length
					·			3	Elev.	<u>}</u>
		Footage D From To	escription	· · · · · · · · · · · · · · · · · · ·	·	Anal	ysis I	<u> </u>		
		283.0 - 293.0	(Cont'd.) 288 - 289'. Bedding t	to core 88° @ 288'.						$\square$
		293.0 - 331.0	Quartz arenite, some quartzwacke	with lesser wacke an	d subwacke/argillite tops,		t –			
			light grey, thick bedded with a than 30 cm) of thin beds, contact notod on a few bed surfaces (cor	ts sharp and flat to s	lightly wavy, slickensides					-
			Bedding to core 84° @ 318'.							
		331.0 - 341.5	Wacke, minor quartzwacke, quartz thin bedded (few medium, 1 t	arenite, subwacke/arg	illite tops, medium grey,					
			flat, a few beds have fine lithi bedding surfaces.	ic clasts, slickenside	are present on several	-		-		
		341.5 - 345.5	Wacke, subwacke, argillite, mino thin bedded, bed contacts sharp a	or quartzwacke, medium and wavy, cross bedding	to light grey, thin to very common (wavy laminated facies).	F	-			$\square$
		345.5 - 351.0	Guartz arenite (1 thick), quartz by 4 thin beds, contacts distin ap of gouge.	wacke and wacke, light act and flat, one cont	grey, thick beds separated act has slickensides and 5					
		351.0 - 363.0	Warke, subwarke/argillite with f				I	L		
		- *		ev quartz arenite or	quartzwacke beds. medius			1		
. <u>"  </u>			grey, thin with few medium beds	. contacts sharp and	quartzwacke beds, medium flat with a few wavy ones,					
		•	grey, thin with few medium bedg slickensides noted on several bod strong slickensides at 354.5 disp to core 70° @ 359'.	, contacts sharp and Iding contacts and a 3	flat with a few wavy ones, cm crush zone bounded by					
		363.0 - 376.5	grey, thin with few medium bedg slickensides noted on several bed ctrong slickensides at 354.5 disp	a, contacts sharp and ding contacts and a 3 blays reverse faults and	flat with a few wavy ones, cs cruch zone bounded by pop-up structures. Bedding					
	·	363.0 - 376.5 376.5 - 381.0	grey, thin with few medium bedg slickensides noted on several bed strong slickensides at 354.5 disp to core 70° @ 359'. Guartz aronite, light gray, fine	contacts sharp and dung contacts and a 3 blays reverse faults and grained, thick bedded is grey, thin bedded with the predominantly subury	flat with a few wavy ones, cm cruch zone bounded by pop-up structures. Bedding . Massive to thin bedded h 20 cm subwacks with wacke					

376.5 - 381.0	Wacke, subwacke/argillite, sedium	gray, thin badded with 20 cm subvacks with wacks
	rip-up? clasts overlying 30 cm of	predominantly subvacks laminite, slickensides
	noted on several bedding surfaces.	Bedding to core 80° @ 380'.

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Communicad         Lottion         Tris at         Hor Comp.           Computed         Con Biss         Con Dig         Con Biss         Con Dig         Visi Comp.           Communicad         In Bins         Lipped by         In Bins         Lipped by         In Bins           Communication         Wiss         Data         In Bins         In Bins <t< th=""><th>Comparison         Cone Bits         Cone, Dig.         Yest Comp.           Chardinates         The Big.         Lobel by         Big.         Big.           Comparison         Name         Date         Big.         Big.         Big.           Stat. 0 - 403.0         Operity error.         Name         Date         Harman         Harman</th></t<>	Comparison         Cone Bits         Cone, Dig.         Yest Comp.           Chardinates         The Big.         Lobel by         Big.         Big.           Comparison         Name         Date         Big.         Big.         Big.           Stat. 0 - 403.0         Operity error.         Name         Date         Harman
Description         Nome         Date         Age of the second	Conditions     The Brg.     Logned by       Objective     No. Brg.     Data       Objective     No. Brg.     Data       Description     No. Construction, vector near bases, cubwacks/argillite tops, light gray, fine grained, thick badded (conse maduum new bases) contexts distinct fait to very, slickensides on and parallel to assore bade contexts. Recoverises poor.       403.0 - 403.0     Courts arenites ned courtsweets, badiy broken with poor recoveries, light gray, maduum and thick badded, for contexts distinct fait to very. slickensides and thick badded, for contexts process.       407.0 - 432.0     Courts arenites and quartsweets, badiy broken with poor recoveries, light gray, maduum and thick badded, for contexts process.       412.0 - 434.0     Courts arenite, light gray, fine grained, thick badded, contexts broken.       422.0 - 434.0     Courts arenite, light gray, fine grained, thick badded, contexts broken.       426.0 - 400.0     Wacks, subwacks and argillite, madium gray. sadium and thick badded, contexts and the sediang to core 80° 8 402.       442.0 - 452.0     Courts arenite, quartsweets, alors active brokes/argillite, madium gray, sadium and thick badded.       426.0 - 477.5     Wacks, subwacks and argillite, madium gray, actives of the sharp and field to end the parallel to be active and the madu gray active and argillite, sadium gray active and the argil and the active active activ
Opening         S. Recor.         Draw of the second of the	Objective         Y. Recor.         Date         If a back of a back back of a back of a back ba
Trans         Description         Anima           303.0 - 403.0         Charts arenits, werks more been, subwerks/argillite, tops, list to wary, fine grained, in and parallel to case bedres, the Recovering poor.         Image: State	Description         Autivity           381.0 - 403.0         Uscke, submetice arguittite, sedue grey, thin and medue bedged, contacts distinct for to very, slickenside         Image: State
Prove         Description         Adding           201.0 - 402.0         Chartz archite, usche neer beer, subucio/argillite tops, light gray, fine grained, in net porceluit to uses bed contexts. Necourtise poor, is to user, sitchmaide         Image: Sitchmaide           403.0 - 407.0         Weider, subucio/argillite, reduu gray, thin and sedius bedded, contexts distinct or shore and fist to user, both contexts reserved.         Image: Sitchmaide         Image: Sitchmaide           407.0 - 422.0         Ouerts archite and courtsreache, bedly broken with poor recoveries, light gray, sedium and black bedded, for context preserved.         Image: Sitchmaide Sitchmaide Sitchmaide           434.0 - 433.0         Userts archite, in grained, thick bedded, contacts distinct and fist, bedding to core 800 # 4437.         Image: Sitchmaide Sitchmaide Sitchmaide         Image: Sitchmaide Sitchmaide Sitchmaide           442.0 - 447.5         Corett archite, outbrake and argillite, sedius gray, thin and sedue bedded, contacts distinct and fist, bedding to core 800 # 4407.         Image: Sitchmaide Sitchmaide Sitchmaide Sitchmaide           442.0 - 477.5         Verte sethers and argillite, sedius gray, sedius and thick with a set and or of het constitutes a conject bad, there are a fau argillite units (typical of the tops and point setting to a set het and and source of bear grade of an our setting of white constitutes a conject bad, there are sitchmaide setting or wide, contactes here and to a shife and source of bear grade of an our setting of white constitutes a conject bad, there are sitchmaide setting or wide, contactes here and thild the argumend battern of thet and the or stat intexer and setting to a settin t	Description         Autysis           381.0 - 403.0         Description         Autysis           381.0 - 403.0         Description         Autysis           0.0 - 403.0         Description         Autysis           0.0 - 407.0         Wacks_ submetice arguitts         Description           407.0 - 407.0         Wacks_ submetice arguitts         Nature           407.0 - 407.0         Construction         Description         Autysis           407.0 - 408.0         Outrix archite, and prilite, sedius prey, takiu to thin badded, contacts distinct and flat, bedding to care 80° 4.00''         Autysis           438.0         Autowal and thin's badded provide the at sum and badded, contacts as harp and flat, bedding to care 80° 4.40''         Autysis           442.0         -47.5         Wacke, subwacke and arguitte, and and apple to badding.         Autysis           442.0         -47.5         Wacke, aubwacke and arguitte, and and apple to badding.         Autysis           442.0         -47.5         Wacke, subwacke and arguitte, and and apple to badding.         Autysis
Drag         Description           381.0 - 402.0         Dustr scenatio, works mear base, subwacke/arguilite tope, light groy, file grained, thick bedded form weak mear) contacts distinct fits to wary, slichessades on an angle angle at the search arguing disting and the search arguing disthe search arguing disthe search arguing disting and dist	Tom         To           381.0 - 403.0         Duartz archite, worke meer base, subwacks/argilite tope, light grey, fine grained, thick bedded (some medius mer base), contacts distinct fist to very, slickensides on and parilels to some bed contacts. Recovering spor.           403.0 - 407.0         Warke, subwacke/argilite, sedius grey, thin and sedius bedded, contacts distinct or sharp and fist to way, 50k broken.           407.0 - 432.0         Courtz arenits and quertwacke, bally broken with poor recoveries, light grey, medius and thick bedded, few contacts preserved.           432.0 - 438.0         Guartz arenits, light grey, fine grained, thick bedded, contacts distinct and fist. Bedding to core 80° 4 430°.           434.0 - 438.0         Guartz arenits, light grey, fine grained, thick bedded, contacts broken.           436.0 - 440.0         Warke, subwacke and argillite, reduu grey, thin and sedius bedded, contacts sharp and fist. Bedding to core 80° 4 40°.           462.0 - 447.5         Warke, subwacke and argillite, reduu grey, sedius and fist), end are to fairchandten to thin bedday, contacts anoty broken few sharp and fist), end are to fairchandt file prealiel) throughout ortem without them are well to fairchandte noted parallel then at seall engle to bedding.           462.0 - 477.5         Warke, subwacke and argillite, and and argue and thick bedded constitutes are consists bed. there are few argillite unit further well to fairchanted file tomat the bedded, there the are collar book are used, outwarket one work book to core 80° 4 63° and 80° at 476°.           462.0 - 477.5         Warke, subwacke and argillite, selue grey, thin book at 90° at 476°.
bittle buddeed (some medium near base). contacts distinct fist to usry, silicionalizes on end parallel to zone deconstants. Recovarias poor.       402.0 - 407.0     Weeke, mubreke/spillite, medium grey, thin and medium bedded, contacts distinct or sharp and fist to very, 50k broken.       407.0 - 132.0     Ourrit arenite and ourtrucke, badly broken with poor recovaries, light gray, medium and thick beddet, for contacts preserved.       432.0 - 434.0     Weeke, mubreke and argillite, redium gray, andium to thin bedded. contacts aharp and fist. Bedding to core 60° 4 437.       434.0 - 430.0     Weeke, mubreke and argillite, redium gray, thin and medium bedded. contacts aharp and fist. Bedding to core 60° 4 437.       436.0 - 440.0     Weeke, mubreke and argillite, redium gray, thin and medium bedded. contacts aharp and fist. Bedding to core 60° 4 407.       442.0 - 477.5     Weeke, mubreke and argillite, salar gray, salar and fist. yan and fist. yan and fist. Bedding to core 80° 4 400°.       442.0 - 477.5     Weeke, mubreke and argillite, salar gray, salar and fist. yan and fist. Bedding to core and yan and hick units that are well to fash bristist fisch up to 1 an arcras occur density in zones up to 10 or a several bedding to core 80° 4 40°.       462.0 - 477.5     Weeke, mubreke and argillite, salar gray, salar and brist. Jone and fist. yan are of all channels fisch up to 1 an arcras occur density in zones up to 10 or a several bedding to core 80° 4 42°.       bedding to core 80° 4 40°.     Ton Bis to fash brist and the brist and the core 80° 4 42°.       Drill Hole Record     Yang brist Bedding to core 80° 4 42°.       are fash bedding to core 80° 4 42°. <td< td=""><td>thick bedded (see medue new base), contexts distinct fist to 'way, slickensides on and perileit to sees bed contacts. Recovering spoor.         403.0 - 407.0       Wacks, subsche/argillits, sedius grey, thin end aedius bedded, contacts distinct or sharp and fist to very, 50k broken.         407.0 - 432.0       Coarts arenits end quartswerke, bedly broken with poor recoveries, light grey, redius and thick bedded, few contacts preserved.         432.0 - 434.0       Wacks, subwacke and argillite, sedius grey, sedius to thin bedded, contacts distinct and fist, Bedding to core 80° # 437.         438.0 - 440.0       Wacks, subwacke and argillite, sedius grey, thin and aedius bedded, contacts sharp and fist. Bedding to core 80° # 40°.         438.0 - 462.0       Coarts arenits, light grey, fine grained, thick bedded, contacts warp, sedius of that. Bedding to core 80° # 40°.         462.0 - 477.5       Wacks, subwacke and argillite, sedius grey, sedius and thick units (typical of bed tops allockanids mortal parallel to bedding.         462.0 - 477.5       Wacks, subwacke and argillite, sedius grey, sedius and thick units (typical of bed tops allockanids of the parallel 5) throughout offen vithout clear indication of what constitutes a coeplete bed. there ser a few argillite units (typical of bed tops allockanids of the parallel 5) throughout offen vithout clear indication of subsched to come with chlorite) are calcaraous. Blickensides noted on several bedding planes. Bedding to core 80° # 45° end 80° et 47°.         Drill Hole Record       Yes the grain the subsche and argillite. set with weeks/subwacks/argillite tops and intervola on several bedding planes. Bedding to core 80° # 450°.</td></td<>	thick bedded (see medue new base), contexts distinct fist to 'way, slickensides on and perileit to sees bed contacts. Recovering spoor.         403.0 - 407.0       Wacks, subsche/argillits, sedius grey, thin end aedius bedded, contacts distinct or sharp and fist to very, 50k broken.         407.0 - 432.0       Coarts arenits end quartswerke, bedly broken with poor recoveries, light grey, redius and thick bedded, few contacts preserved.         432.0 - 434.0       Wacks, subwacke and argillite, sedius grey, sedius to thin bedded, contacts distinct and fist, Bedding to core 80° # 437.         438.0 - 440.0       Wacks, subwacke and argillite, sedius grey, thin and aedius bedded, contacts sharp and fist. Bedding to core 80° # 40°.         438.0 - 462.0       Coarts arenits, light grey, fine grained, thick bedded, contacts warp, sedius of that. Bedding to core 80° # 40°.         462.0 - 477.5       Wacks, subwacke and argillite, sedius grey, sedius and thick units (typical of bed tops allockanids mortal parallel to bedding.         462.0 - 477.5       Wacks, subwacke and argillite, sedius grey, sedius and thick units (typical of bed tops allockanids of the parallel 5) throughout offen vithout clear indication of what constitutes a coeplete bed. there ser a few argillite units (typical of bed tops allockanids of the parallel 5) throughout offen vithout clear indication of subsched to come with chlorite) are calcaraous. Blickensides noted on several bedding planes. Bedding to core 80° # 45° end 80° et 47°.         Drill Hole Record       Yes the grain the subsche and argillite. set with weeks/subwacks/argillite tops and intervola on several bedding planes. Bedding to core 80° # 450°.
403.0 - 407.0       Vecke, subwerke/regilling, medium greey, thin and medium bedded, contacts distinct or skerp and fist to wary, 50% troken, with poor recoveries, light grey, 422.0 - 431.0       Dustice and equiling, medium grey, bedium to thin bedded, contacts distinct and fist, Budding to core 80° # 430'.         432.0 - 434.0       Weeke, subwerke and argilling, and any pray, medium both to thin bedded, contacts distinct and fist, Budding to core 80° # 430'.         434.0 - 430.0       Guertz areants, light grey, fine greined, thick bedded, contacts abarp and fist, Budding to core 80° # 430'.         436.0 - 430.0       Guertz areants, light grey, fine greined, thick bedded, contacts abarp and first blocked, contacts mostly broken and block units that are well to fainty losinesed for allock previous for any block units that are well to fainty losinesed first partially throughout offeen without clear indication of abit contactures a copylete bed. there say a for any block units that are well to fainty losinesed first flack up to 1 as errors occur density from by to 10 cr viscentity bedding.         Drill Hole Record       Yester       Yester         Arrow - 483.0       Vecke, subwerke and argillite, first partial?       Yester         Drill Hole Record       Yester       Yester         Arrow - 483.0       Losding       Yester         Arrow - 483.0       Losding       Yester         Drill Hole Record       Yester       Yester         Arrow - 483.0       Losding       Yester         Arrow - 483.0       Vecter, subwerke and	403.0 - 407.0       Wecke, subuche/argillits, sedies gray, thin and sedius bedded, contacts distinct or sharp and flat to uary, 30% broken.         407.0 - 432.0       Ousrts zensite and quertixacke, badly broken with poor recoveries, light gray, redius and thick bedded, fow contacts preserved.         412.0 - 434.0       Wecke, subucke and argillits, sedius gray, sedius to thin bedded, contacts distinct and flat, Bedding to core 800 € 432'.         434.0 - 438.0       Guertz arenits, light gray, fine grained, thick bedded, contacts broken.         436.0 - 440.0       Wecke, subucke and argillits, sedius gray, beddus contacts broken.         436.0 - 440.0       Wecke, subucke and argillits, sedius gray, beddus contacts broken.         436.0 - 440.0       Wecke, subucke and argillits, sedius gray, beddus contacts broken.         436.0 - 440.0       Wecke, subucke and argillits, sedius gray, beddus contacts broken.         436.0 - 440.0       Wecke, subucke and argillits, sedius gray, beddus contacts broken.         436.0 - 447.5       Wecke, subucke and argillits, sedius gray, sedius and bhck units the are suit for first back and a couple of bed graded from sedial for or a broken bit bod bit bod contacts broken.         452.0 - 477.5       Wecke, subucke and argillits, sedius gray, sedius and bhck units (typical of the red sub to 1 of bick and a couple of bed graded from core and the bod in the first back and bod to the first back and bod to the dod start consult to a start watch and back to bod by the consult to the bod by the consult to the back back back and bod to the consus and bargit bod back back back back bard bod to the
<ul> <li>407.0 - 432.0 Guartz arenits and quartzwecks, hadly broken with poor recoveries, light grey, and a duking bedded, for contacts preserved.</li> <li>432.0 - 434.0 Uncks, aubwecks and rillits, edius grey, acdius to thin bedded, contacts instance and first, bedding to core 80° 4 430'.</li> <li>434.0 - 438.0 Guartz arenits, instructure, since server, thin and sedius bedded, contacts sharp and first, bedding to core 80° 4 430'.</li> <li>440.0 - 462.0 Guartz arenitar, augurtzwecke, since server, thin and sedius bedded, contacts sharp and first, bedding to core 80° 4 40'.</li> <li>440.0 - 462.0 Guartz arenitar, augurtzwecke, since well and the budding. and first, one and first, bedding to core 80° 4 40'.</li> <li>440.0 - 462.0 Guartz arenitar, augurtzwecke, since well and the budding. and first, one are server to budding. The first well and the top of the top of the core 100' of the core 100' of the core 100' of the top of the top</li></ul>	407.0 - 432.0       Dustz arenite and quartzwacke, badły broken with poor recoverias, light gray, acius and thick baddad, faw contacts preserved.         4122.0 - 434.0       Wecke, subwacke and orgillits, sadius gray, sedius to thin beddad, contacts distinct and flat, Bedding to core 800 # 432'.         434.0 - 438.0       Guertz arenits, light gray, fine grained, thick baddad, contacts broken.         438.0 - 440.0       Wecke, subwacke and argillits, sadius gray, sedius not wake/subwacke/argillits, sadius gray, andjua triat thick and sedius budded. contacts sharp and flat., Budding to core 800 # 440'.         440.0 - 462.0       Corete arenits, quartzwacke, sinor wake/subwacke/argillits, andjua gray, medius triat thick and arenits and the are wall triat thick and arenits and arenits and arenits and arenits and the are wall triat the distant are wall triat thick and a contact are sharp and flat), one was of alicknesides noted parallel then at anall engle to budding.         462.0 - 477.5       Wecke, subwacke and argillits, sadius graded fract thick units that are wall triat thick and a contact are sharp and flat), one are or arenits, guartzwacke (new tith charties are contact arenits, light gray, thin the distant are wall and a contact are sharp and flat).         462.0 - 477.5       Wecke, subwacke and argillits, sadius graded fract thick units that are wall triat the distant are wall triat the distant and are aread and are contact are sharp and flat).         62.0 - 477.5       Wecke, subwacke and argillits, sadius graded fract sharp and flat).         62.0 - 477.5       Wecke, subwacke and argillits, sadius graded fract sharp and flat).         62.1       C
<ul> <li>422.0 - 434.0 Uacks, subuchs and argillite, adding gray, sedius to thin bedded, contacts distinct ad flat, bedding to core &amp; 60° 4 639°.</li> <li>434.0 - 438.0 Gurtz senite, light gray, fine grained, thick bedded, contacts broken.</li> <li>430.0 - 440.0 Wacks, subuchs and argillite, sedius gray, thin and sedius bedded, contacts aharp and flat, bedding to core &amp; 60° 4 400°.</li> <li>440.0 - 462.0 Everts arealist, quartizations, whore subuchs/asphale/size/gillite, sedius pred, field, or adding, bedding, contacts anotity broken flat, our core &amp; 60° 4 40°.</li> <li>462.0 - 477.5 Wecks, subuchs and argillite, sedius gray, stall und in this that are are well to faintly basineted (flat prellei) throughout often without class indication or what constitutes are complete bad. there are a few argillite units (typical of bed type also have in the th and a couple of bad graded from quartization of what constitutes in the couple of a distribution of what constitutes in the think is the area well to i constitutes and the couple of a distribution of what constitutes in the couple of a distribution of</li></ul>	432.0 - 434.0       Wacke, subwacke and argillite, sedius grey, sedius to thin bedded, contacts distinct and flat, Bedding to core 80° # 437.         434.0 - 438.0       Guartz arenite, light grey, fin greined, thick bedded, contacts broken.         438.0 - 400.0       Wacke, subwacke and argillite, sedius grey, thin and sedius bedded, contacts sharp and flat. Bedding to core 80° # 440°.         440.0 - 462.0       Guartz arenite, quartzwacke, andor wacke/subwacke/argillite, sedius grey, sedius (few thick and thin) bedded, contacts acotly broken (few sharp and flat), ene set of allchenides noted parallel) throken seall angle to bedding.         462.0 - 477.5       Wacke, subwacke and argillite, sedius grey, sedius end thith white clear indication to fainty lasinske noted parallel) throken acouple of bed greded fore guartzwacke are opplete bed, thore are a few argillite units that are well of a constitutes a complete bed, there are a few argillite units (typical of bed ing quartzwacke i one yith child) are calcaneous. Silkenaides noted are 100° # 453° and 20° at 476°.         Drill Hole Record       Imming Page 7         Property Sullivan       Dettict         Commenced       Location         Completed       Yes Core. Op         Completed       Yes Core. Start at the secons fleese', secons fleese', secons district and secons fleese'.         Completed       Yes Core. Op         Completed       Yes Core. Start at the secons fleese'.         Completed       Yes Core. Start at the secons fleese'.         Contract secons dea core. Start at
494.0 - 438.0       Guertz erenite, light grey, fine grained, thick bedded, contacts broken.         438.0 - 440.0       Wacke, subwacke and scyllife, redue grey, thin and bediub bedded, contacts sharp and file. Bedding to core 80° # 40°.         460.0 - 462.0       Guertz erenite, guertzwacke, since wackely where and thick units that are well great to bedding.         462.0 - 477.5       Worke, subwacke and argillite, redue grey, mediue and thick units that are well great to bedding.         462.0 - 477.5       Worke, subwacke and argillite, redue grey, mediue and thick units that are well great to be the constitution of white the constitution of white the constitution is facts, provide the constitution of the const	494.0 - 438.0       Ouertz srenite, light grey, fine grained, thick bedded, contacts broken.         438.0 - 440.0       Wecke, subwacke and srgilite, sedius grey, thin and sedius bedded, contacts sharp and fist. Bedding to core 80° 8 460°.         440.0 - 462.0       Guertz arenite, quertzweike, sinor wecke/subwacke/argilite, sedius grey, sedius frew, sedius grey, sedius frew, sedius grey, sedius frew, sedius grey, sedius of bed to bedding, contacts sortly broken (few sharp and fist), one set of collokensides noted parallel then at seall angle to bedding.         462.0 - 477.5       Wacke, subwacke and argilite, sedius grey, sedius and thick units that are well to faithly besingene up to 10 or a several bedding planes. Bedding to core 30° 8 463° and 80° at 47°.         Drill Hole Record       Justel       Mole No. nnu £463         Commend       Location       Tests at       Mole No. nnu £463         Condities       Two Brg.       Looged by       E         Condities       Wecke, subwacke and argilite, few quertzwacke beds, sedius to light grey, thin bedded, contacts sharp and fist to usy (sone fises), slickenside and stry in zones up to 10 or several bedding planes. Bedding to core 80° 8 463° and 80° at 476°.         Drill Hole Record       Justel       Mole No. nnu £463         Congenered       Location       Tests at       More Conp.         Congelied       Core Size       Con. Dp       Wett Cons.         Coredinates       Ye Brg.       Logoed by       E <t< td=""></t<>
<ul> <li>430.0 440.0 Werke, subwerke and ergillite, sedius grey, thin and sedius bedded, contacts sharp and fist. Bedding to core 800 8 440°.</li> <li>440.0 - 462.0 Guerts erents, guertwerke, since warks/subwarke/argillite, medius grey, sedius (faw thick and thin) bedded, contacts enerly broken (faw therp and fist), one set of all-chanides noted purallel) throughout often without clear indication to family issinted (fait praile) throughout often without clear indication to family issinted (fait praile) throughout often without clear indication to family issinted (fait praile) throughout often without clear indication the family issinted (fait praile) throughout often without clear indication the family issinted (fait praile) throughout often without clear indication the second of the second often without clear indication the second of the second often without clear indication the second of the secon</li></ul>	438.0 - 440.0       Wacke, subwacke and argillite, sedius grey, thin and sedius bedded, contacts sharp and flat. Bedding to core 80° 8 440°.         440.0 - 462.0       Quertiz arenite, since wacks/subwacke/argillite, andius grey, sedius of subwacke and argillite, sedius grey, sedius end thick units that are well to faintly lealnedse noted parallel then at seall angle to bedding.         462.0 - 477.5       Wacke, subwacke and argillite, sedius grey, sedius end thick units that are well to faintly lealnedse and argillite, sedius grey, sedius end thick units that are well to faintly lealnedse (at parallel) throughout often without clear indication bed tops alsewbres) up to 1 ce thick and a couple of bed graded from dustrawache and argillite, sedius grey, sedius end thick units that are well to faintly lealnedse. Up to 1 as across occur densely in zones up to 10 ce wide, quertwackes (one with chlorich) are aclicareous. Since were bedding planes. Bedding to core 80° # 463' and 80° et 476'.         Drill Hole Record       Yeste         Property Sullivan       Dated         Completed       Core 80° E 462' and 80° et 476'.         Completed       Core 80° E 463' and 80° et 476'.         Completed       Core 80° E 463' and 80° et 476'.         Completed       Core 80° E 463' and 80° et 476'.         Completed       Core 80° E 463' and 80° et 476'.         Completed       Core 80° E 463' and 80° et 476'.         Completed       Core 80° E 463' and 80° et 476'.         Completed       Core 80° E 463' and 80° et 476'.         Completed
440.0 - 462.0       Ousrts erenits, quertzwecke, sinor wecke/subwecke/argilite, sedium grey, medium (few thick and thich) bedded, contects anotity broken (few tharp end fiel), one evolution interest of all them at sealing interestical contexts and arginities. Bedding.         462.0 - 477.3       Wecke, subwecke and arginits. sedium grey, sedium and thick units that are well to faintly instanced (fiel preside) throughout often without clear indication of what constitutes a complete bad, there are a few arginities units (typical of the second of what constitutes a complete bad, there are a few arginities units (typical of the second on several bedding.         462.0 - 477.3       Wecke, subweckes (one with chlorite) are coreas occur demaspin for hour to the second on several bedding to core 80° # 463° and 80° at 476°.         Drill Hole Record       Image: Second of the second of th	440.0 - 462.0       Ouertz erenite, quertzwecke, sinor wecke/subwecke/argilite, sedius grey, sedius (few thick end thin) bedded, contacts acetly broken (few there sharp and flat), ene set of alickensides noted graines at seal angle to bedding.         462.0 - 477.5       Wecke, subwecke and ergilite, sedius grey, sedius and thick units that are well to for finitly lasined (flat preziles) then often without Clear indication of what constitutes a cosplete bed, there are a few argilite units (typical of bed tops elsewhere) up to 1 ce thick and a couple of bed speed fore quertzwecke are present. Sericite flecke up to 1 as across occur density in zones up to 10 ce vide, quertzweckes (one with child) are calcereous. Slickensides noted on several bedding planes. Bedding to core 80° # 463° and 80° at 476°.         Drill Hole Record       Image: Arge of the second argin to core 80° # 463° and 80° at 476°.         Drill Hole Record       Image: Arge of the second argin to core 80° # 463° and 80° at 476°.         Drill Hole Record       Image: Arge of the second argin to core 80° # 463° and 80° at 476°.         Drill Hole Record       Image: Arge of the second argin to core 80° # 463° and 80° at 476°.         Drill Hole Record       Image: Arge of the second argin to core 80° # 463° and 80° at 476°.         Coordinates       Image: Arge of the second argin to core 80° # 463° and 80° at 476°.         Decordinates       Image: Arge of the second argin to core 80° # 463° and 80° at 476°.         Coordinates       Image: Arge of the second argin to core 80° # 463° and 80° at 476°.         Af71.5 - 483.0       Mecken aubwecke and argin to core
(fw thick and thin) bedded, contacts acotly broken (fer sharp and fist), one         set of allowands oncide parallel than of shall angle to bedding.             (42:0 - 477.5)         Wecke, subwecke and arguilits, seduu gray, sedue and thick units that are wall         to fointhly lesinated (fist parallel) throughed of bar graded for graded for         vide, quertwackes (one with chlorite) are calcureous.         Slitkenster bodd         on several bedding to core 80° # 452' and 80° at 476'.          Drill Hole Record           Detel	(few thick and thin) bedded, contacts nostly broken (few sharp and fist), one set of alickensides noted parallel than at seal angle to bedding.         462.0 - 477.5       Wacke, subwacke and argillite, sedius grey, sedius and thick units that are well to feintly laminated (flat parallel) throughout oftem without clear indication of the distribution of the distredis and frequencies of the distrementation of the distr
<ul> <li>act of allckensides noted parallel then at seal angle to bedding.</li> <li>462.0 - 477.5 Wacks, subwacks and anglilits, sedua gray, sedua angle to bedding.</li> <li>462.0 - 477.5 Wacks, subwacks and anglilits, few quertaxacks and angle to bedd graded to laging the set of the s</li></ul>	set of slickensides noted parallel then at small angle to bedding. 462.0 - 477.5 Wacke, subwacks and argillits, medius grey, medius and thick units that are well to fainty leainst d (fild parallel) throughout often without clear indication of what constitutes a complete bad, there are a few argillits units (typical of bed tops alsewhere) up to 10 ce thick and a couple of bed sgreded from qurtwacks we did, quartwackes (one with chlorite) are calcumental findes noted on several bedding planes. Bedding to core 80° # 463' and 80° at 476'. Drill Hole Record Property Sullivan Detrict Hole No. nnu 6463 Commenced Location Tests at Hor. Comp. Completed Core Size Corr. Dip Vert. Comp. Completed Core Size Core. Size Description Sector Size Core. Size Description Sector Size Core. Size Description Sector Size Core. Size Core. Size Size Core. Size Siz
before the second secon	be faintly lesineted (flet persile1) throughout often without clear indication of what constitutes a cosplete bed, there are a few argilite units (typical of bed tops elsewhere) up to 1 cm thick and a couple of beds graded from quartzwacke are present. Sericite fileske up to 1 as across occur densely in zones up to 10 cm vide, quartzwackes (one with chlorite) are calcareous. Slickensides noted on several bedding planes. Bedding to core 80° e 453' and 80° at 476'.
bit of faintly leasingted (file persile) throughout often without clear indication of what constitutes a complete bed, there are a faw arguitt unit (typical of between there are a faw arguitts unit (typical of between there are a faw arguitts unit (typical of between there are a faw arguitts unit (typical of between there are a faw arguitts unit (typical of between there are a faw arguitts unit (typical of between the arguitts	to faintly lesinated (fist persile) throughout often without clear indication of what constitutes a cosplete bad, there are fav argilite unit (typical of bed tops elsewhere) up to 1 cm thick and a couple of beds graded from quartzwacke are present. Sericit effects up to 1 an across occur densily in zones up to 10 cm vide, quartzwackes (one with chlorite) are calcareous. Slickensides noted on several bedding plane. Bedding to core 80° e 463' and 80° at 476'.         Drill Hole Record       Image: State of the several bedding to core 80° e 463' and 80° at 476'.         Droneced       Location         Commenced       Location         Completed       Core Size         Consiste       Core. Dip         Vert. Comp.       Logged by         Congleted       Yes and the secon. Dip         Objective       % Recov.         Date       Date         Constances       State and argillite, few quartzwacke beds, secius to light gray, thin beddod, contacts sharp and flat to wavy (sose flames), slickensides or several bod surfaces.         483.0 - 540.0       Guertz arenite and quartzwacke with wacke/subwacke/argillite tops and interbeds intervals generally less than 60 ct thick, light gray, thin bedded to lasinated, ace beds internelly less than 60 ct thick, light gray, very thin bedded to lasinated, ace beds internelly less than 60 ct thick, light gray, very thin bedded to lasinated, ace beds internelly less than 60 ct thick, light gray, very thin bedded to lasinated, ace beds internelly less than con the solutes and bed contacts are sharp and flat, to way and mascrous oneshave slickensides. Beddia to lasinated, ace beds i
bed tops elsewhere) up to 1 ce thick and a couple of beds greaded from quartwacke are present. Sericits fields up to 1 are across occur densely in some up to 10 ca vide, quartwackes (one with chlorits) are calcereous. Slickensides noted on enveral bedding plans. Bedding to core 00° 4 63' and 80° et 476'. Property Sullivan Distict Mole No. nu 6661 Commenced Location Tests al Mor Comp. Commenced Location Tests al Mor Comp. Completed Can Size Corr. Dip Van Size Size Corr. Size Corr. Size Corr. Size Corr. Size Corr. Size Corr. Size C	bed tops elsewhere) up to 1 cr thick and a couple of beds graded from quartzwacke are present. Sericite flecks up to 1 as across occur densely in zones up to 10 cr vide, quertzwackes (one with chlorite) are calcareous. Slickensides noted on several bedding planes. Bedding to core 80° € 463' and 80° at 476'.
ch vide, quertzwackes (one with chlorite) are calcoreous. Slickensides noted on several bedding planss. Bedding to core 80° 9 463' and 80° at 476'.	Cen vide, quertzveckes (one with chlorite) are calcareous. Slickensides noted on several bedding planes. Bedding to core 80° \$ 463' and 80° at 476'.
on several bedding planes. Bedding to core 80° # 463' and 80° at 476'.	on several bedding planes. Bedding to core 80° € 463' and 80° at 476'.
Property       Sullivan       District       Hols Mo.       Null £463         Commenced       Location       Tests at       Hor. Comp.         Completed       Core Size       Corr. Dp       Vart. Comp.         Co-ordinates       True Brg.       Logged by       Eg	Property       Sullivan       District       Hole No.       DDH 6463         Commenced       Location       Tests at       Nor. Comp.         Completed       Core Size       Corr. Dip       Vert. Comp.         Objective       % Recov.       Date       E <t< td=""></t<>
Property       Sullivan       District       Hole Mo.       Dut 6463         Commenced       Location       Tests at       Hor. Comp.         Commenced       Core Size       Corr. Dp       Vert. Comp.         Co-ordinates       True Brg.       Logged by       Eg	Property       Sullivan       District       Hole NO.       DDH 6463         Commenced       Location       Tests at       Hor. Comp.         Completed       Core Size       Corr. Dip       Vert. Comp.         Objective       % Recov.       Date       E <t< td=""></t<>
Property       Sullivan       District       Hole Mo.       Nut 6463         Commenced       Location       Tests at       Hor. Comp.         Commenced       Core Size       Corr. Dip       Vert. Comp.         Co-ordinates       True Brg.       Logged by         Objective       % Recor.       Date       E       #         Objective       % Recor.       Date       Date       E       #       #         Co-ordinates       Objective       % Recor.       Date       Date <thdate< th=""> <thdate< th="">       Date</thdate<></thdate<>	Property       Sullivan       District       Hole NO.       DDH 6463         Commenced       Location       Tests at       Hor. Comp.         Completed       Core Size       Corr. Dip       Vert. Comp.         Completed       Core Size       Corr. Dip       Vert. Comp.         Completed       Core Size       Corr. Dip       Vert. Comp.         Completed       K Recov.       Date       Size       Size </td
Commenced       Location       Tets at       Hor. Comp.         Commenced       Core Size       Corr. Dip       Vant. Comp.         Completed       Core Size       Corr. Dip       Vant. Comp.         Completed       True Brg.       Logged by       Size         Objective       %. Recov.       Date       Size         Secure       %. Recov.       Date       Size         Secure       Description       Analytic       Analytic         from To       Go P Size       Analytic       Analytic         from To       Go P Size	Commenced       Location       Tests at       Hor. Comp.         Commenced       Location       Tests at       Hor. Comp.         Completed       Core Size       Corr. Dip       Vent. Comp.         Co-ordinates       True Brg.       Logged by       Analysis         Co-ordinates       Description       Analysis       Analysis         Footage       Description       Analysis       Analysis         from       To       Analysis       Analysis         ded surfaces.       Analysis       Analysis
Completed         Core Size         Corr. Dip         Vert. Comp.         Bar           Co-ordinates         True Brg.         Logged by         Image: Correlation	Completed       Core Size       Corr. Dip       Vert. Comp.         Co-ordinates       True Brg.       Logged by       Base
Co-ordinates       True Brg.       Logged by       analysis         Objective       % Recov.       Date       g d d g d g d g d g d g d g d g d g d	Co-ordinates       True Brg.       Logged by       Bate         Objective       % Recov.       Date       E       Bate
Socialization         Analysis           from         To         To           477.5 - 483.0         Vecke, subwacke and argillite, few quertzwacke beds, medium to light gray, thin bedded, contacts sharp and flat to wavy (some flames), slickensides or several bed surfaces.         Image: State intervals of thick, light gray, fine grained, thick and medium bedded with short intervals of thin beds, bed contacts sharp and distinct and flat to wavy and numerous ones have slickensides. Bedding to core 81° 9 495', 60° 9 520', end 80° 9 528'.           540.0 - 542.5         Wecke, subwacke and argillite, sedium to light gray, very thin bedded to laminated, some beds internally lesinated (dark gray), laminations and bed contacts are sharp and flat, slickensides on some bed contacts and bed contacts are sharp and flat. slickensides on some bed contacts and one fracture at 20° to core. Bedding to core 80° 9 541.5'.           542.5 - 589.0         Quertz arenite, light gray, fine grained, thick bedded, bed contacts are sharp and distinct and generally flat on two of which slickensides were noted. Intervals up to 60 car of thin wecke/subwacke (argillite) beds.           589.0 - 596.0         Wacke, subwacke and argillite, sedium gray, thin bedded, bed contacts sharp and generally flat, a few are wavy or with flames, several sandatone dikelots, one wacke interval of 20 cc contans shreded argillaceous layers, slickensides noted on two bed contacts. Bedding to core 81° 9 590'.           596.0 - 652.0         Ouertz arenito, light grey, fine some aedium grained, thick bedded of which a fow have current laminations otherwise fairly honogenous, bed contacts sharp and flat fow wavy). Intorvals (about 10% of total) less then 60 cc (often 30 cs) of wacke, subwacke/argillite, ee	Poscription       Analysis         from To       477.5 - 483.0       Wacke, subwacke and argillite, few quartzwacke beds, medium to light grey, thin bodded, contacts sharp and flat to wavy (some flames), slickensides or several bod surfaces.       1         483.0 - 540.0       Guartz arenite and quartzwacke with wacke/subwacke/argillite tops and interbeds intervals generally less than 60 cm thick, light grey, fine grained, thick and medius bedded with short intervals of thin beds, bed contacts sharp and distinct and flat to wavy and numerous ones have slickensides. Bedding to core 81° @ 495', 80° @ 520', and 80° @ 528'.       1         540.0 - 542.5       Wacke, subwacke and argillite, sedium to light grey, very thin bedded to laminated, some beds internally laminated (dark grey), leminations and bed contacts are sharp and flat, slickensides on some bed contacts and one fracture at 20° to core.       1         542.5 - 589.0       Guartz arenite, light grey, fine grained, thick bedded, bed contacts are sharp and distinct and generally flat on two of which slickensides were noted. Intervals       1
Secure         Description         Analysis           from         To         Image: Tool of the second se	Description       Analysis         from To       477.5 - 483.0       Wacke, subwacke and argillite, few quartzwacke beds, medium to light grey, thin bodded, contacts sharp and flat to wavy (some flames), slickensides or several bod surfaces.       1         483.0 - 540.0       Guartz arenite and quartzwacke with wacke/subwacke/argillite tops and interbeds intervals generally less than 60 cm thick, light grey, fine grained, thick and sedius bedded with short intervals of thin beds, bed contacts sharp and distinct and flat to wavy and numerous ones have slickensides. Bedding to core 81° @ 495', 80° @ 520', and 80° @ 528'.       1         540.0 - 542.5       Wacke, subwacke and argillite, sedium to light grey, very thin bedded to laminated, some beds internally laminated (dark grey), laminations and bed contacts are sharp and flat, slickensides on some bed contacts and one fracture at 20° to core. Bedding to core 80° @ 541.5'.       1         542.5 - 589.0       Guartz arenite, light grey, fine grained, thick bedded, bed contacts are sharp and distinct and generally flat on two of which slickensides were noted. Intervals       1
Description         Description           from         10           477.5 - 483.0         Wacke, subwacke and argillits, few quartzwacke beds, medium to light grey, thin boddad, contacts sharp and flat to wavy (some flames), slickensides or several bod surfaces.           483.0 - 540.0         Guartz arenite and quartzwacke with wacke/subwacke/argillite tops and interbeds intervals generally less than 60 cm thick, light grey, fine grained, thick and medium bedded with short intervals of thin beds, bed contacts sharp and distinct and flat to wavy and numerous ones have slickensides. Bedding to core 810 @ 495', 80° £ 520', and 80° £ 528'.           540.0 - 542.5         Wacke, subwacke and argillite, medium to light grey, very thin bedded to laminated, some beds internally laminated (dark grey), leminations and bed contacts are sharp and flat, slickensides on some bed contacts and one fracture at 20° to core.           542.5 - 589.0         Quartz arenite, light grey, fine grained, thick bedded, bed contacts are sharp and distinct and generally flat on two of which slickensides were noted. Intorvals up to 60 cm of thin wacke/subwacke (argillite) beds.           589.0 - 596.0         Wacke, subwacke and argillite, medium grey, thin bedded, bed contacts sharp and generally flat, a few are wavy or with flames, several sandatone dikelots, one wacke interval of 20 cm contains shreded ergillaceous layers, slickensides noted on two bed contacts. Bedding to core 81° £ 590'.           596.0 - 652.0         Quertz arenite, light grey, fine some modium greined, thick bedded of which a fcw have current laminations otherwise fairly honogenous, bed contacts sharp and flat (few wary). Intorvals (about 10% of total) less than 60 cm (often 30 cm) of wacke, s	From       To         477.5 - 483.0       Wacke, subwacke and argillite, few quartzwacke beds, medium to light grey, thin bedded, contacts sharp and flat to wavy (some flames), slickensides or several bed surfaces.         483.0 - 540.0       Guartz arenite and quartzwacke with wacke/subwacke/argillite tops and interbeds intervals generally less than 60 cm thick, light grey, fine grained, thick and medium bedded with short intervals of thin beds, bed contacts sharp and distinct and flat to wavy and numerous ones have slickensides. Bedding to core 81° 0 495', 80° 0 520', and 80° 0 528'.         540.0 - 542.5       Wacke, subwacke and argillite, medium to light grey, very thin bedded to laminated, some beds internally laminated (dark grey), leminations and bed contacts are sharp and flat, slickensides on some bed contacts and one fracture at 20° to core. Bedding to core 80° 0 541.5'.         542.5 - 589.0       Guartz arenite, light grey, fine grained, thick bedded, bed contacts are sharp and distinct and generally flat on two of which slickensides were noted. Intervals
<ul> <li>477.5 - 483.0 Wacke, subwacke and argillite, few quartzwacke beds, medium to light grey, thin beddod, contacts sharp and flat to wavy (some flames), slickensides or several bed surfaces.</li> <li>483.0 - 540.0 Guartz arenite and quartzwacke with wacke/subwacke/argillite tops and interbeds intervals generally less than 60 cm thick, light grey, fine grained, thick and sedium bedded with short intervals of thin beds, bed contacts sharp and distinct and flat to wavy and numerous ones have slickensides. Bedding to core 81° 9 495', 80° # 520', and 80° # 528'.</li> <li>540.0 - 542.5 Wacke, subwacke and argillite, sedium to light grey, very thin bedded to laminated, some beds internally lesinated (dark grey), lesinations and bed contacts are sharp and flat, slickensides on some bed contacts and one fracture at 20° to core. Bedding to core 80° # 541.5'.</li> <li>542.5 - 589.0 Quartz arenite, light grey, fine grained, thick bedded, bed contacts are sharp and distinct and generally flat on two of which slickensides were noted. Intervals up to 60 cm of thin wacke/subwacke (argillite) beds.</li> <li>589.0 - 596.0 Wacke, subwacke and argillite, sedium grey, thin bedded, bed contacts sharp and generally flat, a few are wavy or with flamos, several sandatone dikelots, one wacks interval of 20 cm contains shreded argillaceous layers, slickensides noted on two bed contacts. Bedding to core 81° @ 550'.</li> <li>596.0 - 652.0 Quartz arenito, light grey, fine some and sub greined, thick bedded of which a few have current laminations otherwise fairly honogenous, bed contacts sharp and flat (fow wavy). Intervals (about 10% of total) less than 60 cm (off an 30 cm) of wacks, subwacke/argillite, sedium grey, thin bedded with sharp flat contacts. Several bed contacts. Area slickonsides. Crush zone (small fault) for a wide parallel</li> </ul>	<ul> <li>477.5 - 483.0</li> <li>483.0 - 540.0</li> <li>Guartz arenite and quartzwacke with wacke/subwacke/argillite tops and interbeds intervals generally less than 60 cm thick, light grey, fine grained, thick and medium bedded with short intervals of thin beds, bed contacts sharp and distinct and flat to wavy and numerous ones have slickensides. Bedding to core 81° 8 495', 80° 8 520', and 80° 8 528'.</li> <li>540.0 - 542.5</li> <li>540.0 - 542.5</li> <li>542.5 - 589.0</li> <li>Guartz arenite, light grey, fine grained, thick bedded, bed contacts are sharp and distinct and generally flat on two of which slickensides were noted. Intervals</li> </ul>
<ul> <li>bedded, contacts sharp and flat to wavy (some flames), slickensides or several bed surfaces.</li> <li>483.0 - 540.0 Guertz arenite and quertzwecke with wacke/subwacke/argillite tops and interbeds intervals generally less than 60 cm thick, light grey, fine grained, thick and sedius bedded with short intervals of thin beds, bed contacts sharp and distinct and flat to wavy and numerous ones have slickensides. Bedding to core 81° Ø 495', 60° Ø 520', and 80° Ø 528'.</li> <li>540.0 - 542.5 Wacke, subwacke and argillite, medius to light grey, very thin bedded to laminated, some beds internally laminated (dark grey), leminations and bed contacts are sharp and flat, slickensides on some bed contacts and one fracture at 20° to core. Bedding to core 80° Ø 541.5'.</li> <li>542.5 - 589.0 Guertz arenite, light grey, fine grained, thick bedded, bed contacts are sharp and distinct and generally flat on two of which slickensides were noted. Intervals up to 60 cm of thin wacke/subwacke (argillite) beds.</li> <li>589.0 - 596.0 Wacke, subwacke and argillite, medium grey, thin bedded, bed contacts sharp and generally flat, a few are usey or with flamos, several sandstone dikelots, one wacke interval of 20 cm contains shredded argillaceous layers, slickensides noted on two bed contacts. Bedding to core 81° Ø 590'.</li> <li>596.0 - 652.0 Guertz arenite, light grey, fine scome medium grained, thick bedded of which a few have current laminations otherwise fairly homogenous, bed contacts sharp and flat (fow wavy). Intervals (about 10% of totel) less than 60 cm (often 30 cm) of wacke, subwacke/argillite, sedium grey, thin bodded with sharp flat contacts. Several bod contacts have and flat (fow wavy). Intervals (about 10% of totel) less than 60 cm (often 30 cm) of wacke, slickensides.</li> </ul>	<ul> <li>bedded, contacts sharp and flat to wavy (some flames), slickensides or several bed surfaces.</li> <li>483.0 - 540.0 Guartz arenite and quartzwacke with wacke/subwacke/argillite tops and interbeds intervals generally less than 60 cm thick, light grey, fine grained, thick and serius bedded with short intervals of thin beds, bed contacts sharp and distinct and flat to wavy and numerous ones have slickensides. Bedding to core 81° Ø 495', 80° Ø 520', and 80° Ø 528'.</li> <li>540.0 - 542.5 Wacke, subwacke and argillite, medium to light grey, very thin bedded to laminated, some beds internally leminated (dark grey), leminations and bed contacts are sharp and flat, slickensides on some bed contacts and one fracture at 20° to core. Bedding to core 80° Ø 541.5'.</li> <li>542.5 - 589.0 Guartz arenite, light grey, fine grained, thick bedded, bed contacts are sharp and distinct and generally flat on two of which slickensides were noted. Intervals</li> </ul>
<ul> <li>bed surfaces.</li> <li>483.0 - 540.0</li> <li>Guartz arenite and quartzwacke with wacke/subwacke/argillite tops and interbeds intervals generally less than 60 cm thick, light grey, fine grained, thick and medius bedded with short intervals of thin beds, bed contacts sharp and distinct and flat to wavy and numerous ones have alickensides. Bedding to core 81° Ø 495', 80° Ø 520', and 80° Ø 528'.</li> <li>540.0 - 542.5</li> <li>Wecke, subwacke and argillite, medium to light grey, very thin bedded to laminated, some beds internally lesinated (dark grey), leminations and bed contacts are sharp and flat, alickensides on some bed contacts and one fracture at 20° to core. Bedding to core 80° Ø 541.5'.</li> <li>542.5 - 589.0</li> <li>Guartz arenite, light grey, fine grained, thick bedded, bed contacts are sharp and distinct and generally flat on two of which slickensides were noted. Intervals up to 60 cm of thin wacke/subwacke (argillite) beds.</li> <li>589.0 - 596.0</li> <li>Wacke, subwacke and argillite, medium grey, thin bedded, bed contacts sharp and generally flat, a few are wavy or with flamos, several sandstone dikelets, one wacke interval of 20 cm contains shredded argillaceous layers, slickonsides noted on two bed contacts. Bedding to core 81° Ø 550'.</li> <li>596.0 - 652.0</li> <li>Ouartz aronito, light grey, fine some medium grained, thick bedded of which a for wavy. Intervals (about 10% of totel) less than 60 cm (often 30 cm) of wacke, slibwacke/argillite, sedium grey, thin bodded with sharp flat contacts. Several bod contacts hierding arey, thin bodded with sharp flat contacts.</li> </ul>	<ul> <li>bed surfaces.</li> <li>483.0 - 540.0 Quartz arenite and quartzwacke with wacke/subwacke/argillite tops and interbeds intervals generally less than 60 cm thick, light grey, fine grained, thick and medium bedded with short intervals of thin beds, bed contacts sharp and distinct and flat to wavy and numerous ones have slickensides. Bedding to core 81° Ø 495', 80° Ø 520', and 80° Ø 528'.</li> <li>540.0 - 542.5 Wacke, subwacke and argillite, medium to light grey, very thin bedded to laminated, some beds internally laminated (dark grey), leminations and bed contacts are sharp and flat, slickensides on some bed contacts and one fracture at 20° to core. Bedding to core 80° Ø 541.5'.</li> <li>542.5 - 589.0 Quartz arenite, light grey, fine grained, thick bedded, bed contacts are sharp and distinct and generally flat on two of which slickensides were noted. Intervals</li> </ul>
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80° # 520', and 80° # 528'.         540.0 - 542.5         Wacke, subwacke and argillite, medium to light grey, very thin bedded to laminated, some beds internally laminated (dark grey), laminations and bed contacts are sharp and flat, slickensides on some bed contacts and one fracture at 20° to core. Bedding to core 80° # 541.5'.         542.5 - 589.0       Guartz arenite, light grey, fine grained, thick bedded, bed contacts are sharp and distinct and generally flat on two of which slickensides were noted. Intervals up to 60 cm of thin wacke/subwacke (argillite) beds.         589.0 - 596.0       Wacke, subwacke and argillite, medium grey, thin bedded, bed contacts sharp and generally flat, a few are wavy or with flamos, several sandstone dikelots, one wacke interval of 20 cm contains shredded argillaceous layers, slickensides noted on two bed contacts. Bedding to core 81° # 590'.         596.0 - 652.0       Guartz arenito, light grey, fine some modium grained, thick bedded of which a few have current laminations otherwise fairly homogenous, bed contacts sharp and flat (fow wavy). Intorvals (about 10% of total) less than 60 cm (often 30 cm) of wacke, subwacke/argillite, medium grey, thin bedded with sharp flat contacts. Several bod contacts.	80° £ 520', and 80° £ 528'.         540.0 - 542.5         Wacke, subwacke and argillite, medium to light grey, very thin bedded to laminated, some beds internally laminated (dark grey), leminations and bed contacts are sharp and flat, slickensides on some bed contacts and one fracture at 20° to core. Bedding to core 80° £ 541.5'.         542.5 - 589.0       Guartz arenite, light grey, fine grained, thick bedded, bed contacts are sharp and distinct and generally flat on two of which slickensides were noted. Intervals
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Several bod contacts have slickonsides. Crush zone (small fault) 10 cm wide parallel	
	few have current laminations otherwise fairly homogenous, bed contacts sharp and
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811-8457

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Property Sulliv	an <u>District</u>	Hole No. DDH 646						
Commenced	Location	Tests at	Hor. Comp.			1		
Completed	Core Size	Corr. Dip	Vert. Comp.					
		True Brg.	Logged by			<u>e</u>		
Co-ordinates	<u></u>				å	ē		
Objective		% Recov.	Dale		T Brg.	Cottar Dip	Elev.	
Footage De	scription				lysis		<u>ju</u>	
rom To		· · · · · · · · · · · · · · · · · · ·			1-	T	T	
652.0 - 660.0	Wacko, modium (minor dark) gr flocked wacko or quartz chl paper thin. Bedding to core	orite concretion, laminati	ons are flat, parallel and			+		
	to bedding.				1-		+	1
660.0 - 672.0	Quartz arenite and quartzw cm, light grey, thick bedde wore than adjacent, eg, beddi	d, bed contacts sharp, ap						
672.0 - 682.0	Wacke, subwacke and argillite bad contacts sharp and flat ( Badding to core 81° @ 680'.						+	
682.0 - 717.0	Quartz arenite, minor wack	e/subwacke/argillite fine	grained, thick bedded with		$\top$	1	$\dagger$	
	intervals generally 30 cm or laminite. Quartz vein (5 cm)							1
	at 699'. Pyrrhotite veinlet	at 20 <sup>0</sup> to core at 698'.	Pyrrhotite blob 4 by 2 cm					J
	contains chalcopyrite with sharp, most flat some incline to core 81° @ 691′ and 57° @	d to wavy and one has la		F				
717.0 - 720.5	Wacke, subwacke/argillite, m	inor quartzwacke, medium g	rey, thin bedded, contacts			Γ		]
	sharp (most) to vague, and fl contacts. Bedding to core 82	at, slickensides parallel						
720.5 - 740.5	Quartz arenite, light grey,							]
	sharp and flat to irregular ( and small broken zone (5 cm)				$\downarrow$	$\bot$	ļ_	ļ
	to core 81º @ 730'.			. <b> </b>		1	+-	1
								- 1
740.5 - 746.0			renite, medium grey, thin		1	4	+	_
740.5 - 746.0 Drill Hole Rec	(fow modium) beds, contacts s			·			<u> </u>	
Drill Hole Rec	(fow modium) beds, contacts s	harp and flat, minor shredd	ing of argillaceous layers					
Drill Hole Rec Property Sulliva	(few modium) beds, contacts s Ord District	harp and flat, minor shredd Hole No. DDH 6463	ing of argillaceous layers	· -				
Drill Hole Rec Property Sulliva Commenced	(few modium) beds, contacts s Ord District Location	harp and flat, minor shredd Hole No. DDH 6463 Tests at	ing of argillaceous layers ComminCO Page 9 Hor. Comp.	·				
Drill Hole Rec Property Sulliva Commenced Completed	(few modium) beds, contacts s Ord District	harp and flat, minor shredd Hole No. DDH 6463 Tests at Corr. Dip	Hor. Comp. Vert. Comp.					
Drill Hole Rec Property Sulliva Commenced Completed Co-ordinates	(few modium) beds, contacts s Ord District Location	harp and flat, minor shredd Hole No. DDH 6463 Tests at Corr. Dip True Brg.	Hor. Comp. Logged by			ar Dip		
Drill Hole Rec Property Sulliva Commenced Completed Co-ordinates	(few modium) beds, contacts s Ord District Location	harp and flat, minor shredd Hole No. DDH 6463 Tests at Corr. Dip	Hor. Comp. Vert. Comp.		. Brg.	ollar Dip		
Drill Hole Rec Property Sulliva Commenced Completed Co-ordinates Objective	(few modium) beds, contacts s ord District Location Core Size	harp and flat, minor shredd Hole No. DDH 6463 Tests at Corr. Dip True Brg.	Hor. Comp. Logged by			Collar Dip	Elev.	
Drill Hole Rec Property Sulliva Commenced Completed Co-ordinates Objective	(few modium) beds, contacts s Ord District Location	harp and flat, minor shredd Hole No. DDH 6463 Tests at Corr. Dip True Brg.	Hor. Comp. Logged by				Elev.	
Drill Hole Rec Property Sulliva Commenced Completed Co-ordinates Objective Footage Des	(few modium) beds, contacts s ord District Location Core Size	Hole No. DDH 6463 Tests at Corr. Dip True Brg. % Recov.	ing of argillaceous layers ComminCO Page 9 Hor. Comp. Vert. Comp. Logged by Date terial at 742', slickensides	Ana			Elev.	
Drill Hole Rec Property Sulliva Commenced Completed Co-ordinates Objective Footage From To 740.5 - 746.0	(few modium) beds, contacts s Ord District Location Core Size cription over short intervals, very small	Hole No. DDH 6463 Tests at Corr. Dip True Brg. % Recov.	Hor. Comp. Vert. Comp. Logged by Date	Ana			Elev	
Drill Hole Rec Property Sulliva Commenced Completed Co-ordinates Objective Footage Footage To 740.5 - 746.0 Cont'd.	(few modium) beds, contacts s Ord District Location Core Size cription over short intervals, very saw noted on a few bedding surface Quartz arenite, light grey, fi sous. Wacke, subwacke/argillite 600	Hole No. DDH 6463 Tests at Corr. Dip True Brg. % Recov.	ing of argillaceous layers ComminCO Page 9 Hor. Comp. Vert. Comp. Logged by Date terial at 742', slickensides 746'. k end medium bedded, homogen dium and light grey, former				Elev	
Drill Hole Rec Property Sulliva Commenced Completed Co-ordinates Objective From To 740.5 - 746.0 Cont'd. 746.0 - 751.0	(few modium) beds, contacts a Ord District Location Core Size cription over short intervals, very saw noted on a few bedding surface Duartz arenite, light grey, fr eous.	Hole No. DDH 6463 Tests at Corr. Dip True Brg. % Recov. all fold in argillaceous made as. Bedding to core 81° 6 1 ine to medium grained, thick k, quartz arenite 40%, med h sharp flat and irregular of with sharp and flat contact	ing of argillaceous layers ComminCO Page 9 Hor. Comp. Vert. Comp. Logged by Date terial at 742', slickensides 746'. k and medium bedded, homogen dium and light grey, former contacts, the quartz arenite					
Drill Hole Rec Property Sulliva Commenced Completed Co-ordinates Objective From To 740.5 - 746.0 Cont'd. 746.0 - 751.0	(few modium) beds, contacts s Ord District Location Core Size cription over short intervals, very small noted on a few bedding surface Duartz arenite, light grey,'f: sous. Wacke, subwacke/argillite 600 is medium and thin bedded with is medium and thick bedded	Hole No. DDH 6463 Tests at Corr. Dip True Brg. % Recov. all fold in argillaceous mat as. Bedding to core 81° @ 3 ine to medium grained, thick k, quartz arenite 40%, med h sharp flat and irregular ( with sharp end flat contact g to core 82° @ 758'. , first few feet is predomir cke) subwacke/argillite be	ing of argillaceous layers ComminCO Page 9 Hor. Comp. Vert. Comp. Logged by Date terial at 742', slickensides 746'. k end medium bedded, homogen dium and light grey, former contects, the quartz arenite contects, Slickensides noted on					
Drill Hole Rec           Property         Sullival           Commenced         Completed           Coordinates         Objective           Processe         Detective           Processe         Processe           Processe         Processe <td>(few modium) beds, contacts a Ord District Location Core Size cription over short intervals, very small noted on a few bedding surface Quartz arenite, light grey, f: sous. Wacke, subwacke/argillite 600 is medium and thin bedded with is medium and thin bedded with and thin b</td> <td>Hole No. DDH 6463 Tests at Corr. Dip True Brg. % Recov. all fold in argillaceous made as. Bedding to core 81° @ 3 ine to medium grained, thick k, quartz arenite 40%, med h sharp flat and irregular ( with sharp end flat contact g to core 82° @ 758'. , first few feet is predomin cke) subwacke/argillite be sh zone at 777'. Bedding to ine and medium grained, at (others broken), some some</td> <td>ing of argillaceous layers ComminCO Page 9 Hor. Comp. Vert. Comp. Logged by Date terial at 742', slickensides 746'. k and medium bedded, homogen dium and light grey, former contects, the quartz arenite contects, the quartz arenite contects, the quartz arenite contects, the quartz arenite contects. Slickensides noted on hantly medium bed of wacke, eds. Slickensides noted on core 81° € 775'. thick (few medium) beds, with slickensides, fracture</td> <td></td> <td></td> <td></td> <td></td> <td></td>	(few modium) beds, contacts a Ord District Location Core Size cription over short intervals, very small noted on a few bedding surface Quartz arenite, light grey, f: sous. Wacke, subwacke/argillite 600 is medium and thin bedded with is medium and thin bedded with and thin b	Hole No. DDH 6463 Tests at Corr. Dip True Brg. % Recov. all fold in argillaceous made as. Bedding to core 81° @ 3 ine to medium grained, thick k, quartz arenite 40%, med h sharp flat and irregular ( with sharp end flat contact g to core 82° @ 758'. , first few feet is predomin cke) subwacke/argillite be sh zone at 777'. Bedding to ine and medium grained, at (others broken), some some	ing of argillaceous layers ComminCO Page 9 Hor. Comp. Vert. Comp. Logged by Date terial at 742', slickensides 746'. k and medium bedded, homogen dium and light grey, former contects, the quartz arenite contects, the quartz arenite contects, the quartz arenite contects, the quartz arenite contects. Slickensides noted on hantly medium bed of wacke, eds. Slickensides noted on core 81° € 775'. thick (few medium) beds, with slickensides, fracture					
Drill Hole Rec Property Sulliva Commenced Completed Co-ordinates Objective Footage To 740.5 - 746.0 Cont'd. 746.0 - 751.0 751.0 - 771.5	(few modium) beds, contacts a Ord District Location Core Size Core Size	Hole No. DDH 6463 Tests at Corr. Dip True Brg. % Recov. all fold in argillaceous made as. Bedding to core 81° @ 3 ine to medium grained, thick k, quartz arenite 40%, med h sharp flat and irregular ( with sharp end flat contact g to core 82° @ 758'. , first few feet is predomin cke) subwacke/argillite be sh zone at 777'. Bedding to ine and medium grained, at (others broken), some to at 797'. Bedding to core 3 probably pulled rods (misla	hor. Comp. Hor. Comp. Vert. Comp. Logged by Date terial at 742', slickensides 745'. k end medium bedded, homogen dium and light grey, former contects, the quartz arenite cts. Slickensides noted on heantly medium bed of wacks. eds. Slickensides noted on b core 81° @ 775'. thick (few medium) beds, with slickensides, fracture 70° @ 797'. atch?). Argillite, subwacke					
Drill Hole Rec Property Sulliva Commenced Completed Co-ordinates Objective rom To 740.5 - 746.0 Cont'd. 746.0 - 751.0 751.0 - 771.5 771.5 - 781.0 781.0 - 801.0	(few modium) beds, contacts a District Location Core Size Core	Hole No. DDH 6463 Tests at Corr. Dip True Brg. % Recov. all fold in argillaceous mate ss. Bedding to core 81° @ 3 ine to medium grained, thick k, quartz erenite 40%, med h sharp flat and irregular ( with sharp end flat contact g to core 82° @ 758'. , first few feet is predomin cke) subwacke/argillite be sh zone at 777'. Bedding to ine and medium grained, at (others broken), some at 797'. Bedding to core 3 probably pulled rods (misle ssible cleavege at 30° to cou	hor. Comp. Hor. Comp. Vert. Comp. Logged by Dale terial at 742', slickensides 746'. k and medium bedded, homogen dium and light grey, former contacts, the quartz arenite cts. Slickensides noted on hantly medium bed of wacke. ads. Slickensides noted on b core 81° @ 775'. thick (few medium) beds, with slickensides, fracture 700 @ 797'. atch?). Argillite, subwacke bre between 804' and 805'. illite tops to 20 cm thick, , bed contacts are sharp					

Description         Description         Tests How         DDV 2642           Compared Com	Location         Test at         Test at         Test at         Test comp.           Dependence         Core Dise         Core Dis         Visit Core pin.         Visit Core p	· [ · · ·	e Record			٩	i		Page 10		ļ		
Description         Core Bits         Core Dig         Vent Cores.           Constitutes         The Bry.         Lisced for         Bits         Bits </th <th>Description         Description         Description         Second and second and</th> <th>Property S</th> <th>ullivan</th> <th></th> <th></th> <th></th> <th>DDH 6463</th> <th>··· •</th> <th></th> <th>.   }</th> <th></th> <th></th> <th></th>	Description         Description         Description         Second and	Property S	ullivan				DDH 6463	··· •		.   }			
Tome Bugs         Logget Bugs         Logget Bugs         Big         Big /</th <th>Tree By:         Legad by:         <thlegad by:<="" th="">         Legad by:         <thlegad by:<="" th=""> <thlegad by:<="" th=""> <thleg< th=""><th>Commenced</th><th>·</th><th></th><th></th><th></th><th>· · · · · · · · · · · · · · · · · · ·</th><th></th><th></th><th>┥╽</th><th></th><th></th><th></th></thleg<></thlegad></thlegad></thlegad></th>	Tree By:         Legad by: <thlegad by:<="" th="">         Legad by:         <thlegad by:<="" th=""> <thlegad by:<="" th=""> <thleg< th=""><th>Commenced</th><th>·</th><th></th><th></th><th></th><th>· · · · · · · · · · · · · · · · · · ·</th><th></th><th></th><th>┥╽</th><th></th><th></th><th></th></thleg<></thlegad></thlegad></thlegad>	Commenced	·				· · · · · · · · · · · · · · · · · · ·			┥╽			
Description         Autyni           C39.0 - 685.0         Dustrivecte, soveral bes very on querts arenits, includes about 20% werks, short advanced to lite and flat beingry, back both it a few madus and thin, contacts advanced to lite and flat beingry, back both it a few madus and thin, contacts advanced to lite and flat beingry, back both it are madus and thin, contacts advanced to lite and flat beingry, back both it are madus and thin, contacts advanced to lite and flat beingry, back both it are madus and thin bash; intervals to about 20 mark both it are expect to be vegue structures indicative of armadisentery wereal back and both area expect to be vegue structures indicative of armadisentery estemation, flame structure indicat at 805 (al. 15 cs. vide incomestive to adding partment. Bedding bot core 40 g 404 and 730 g 404 (into bash); intervals to about 20 mers and the armadise area at leased or were not fores at 10 mers and the press device bash. All liantantians are flat and partials. It is about a back to adding partment with togs are structure in the structure interval (there as into about and a few thin species/are flat and partials. It is about a back and a few thin species are not advang reases, thick and flat, short (clo cs) intervals list contact and interprets and interprets and flat, short (clo cs) intervals contact and care transmit with togs and interprets device and are brows and out the part for adding both and a few thin species and interprets and interprets device avect and avect and avechave and avect and avechave		Completed		Core S	ize	·····		L		-		_	
Description         Autyni           C39.0 - 887.0         Dustribucche, souveral boda vergu on quertz arenite, includes about 20% usere, minor abbested-regilitte, secting arer, that doe with a few madua mot thin, contacts abbested-regilitte, secting and fab biostry, but doe but a few madua mot thin, contacts abbested-regilitte, secting and fab biostry, but doe but a few madua mot thin, contacts abbested-regilitte, secting and fab biostry, but doe but a few madua mot the fab biostry biostry and the contact and fab biostry, but doe but a few madua mot and fab biostry and the contact and fab biostry, but doe but a few madua fab biostry abbested-regilitte, secting and fab biostry, but doe but a few of articles and abbested-regilitters and fab biostry, but doe but a few of articles and and abbested-regilitters and fab biostry, but doe but affect and and abbested-regilitters and fab biostry and abbested at 1850 - A 15 cm vide inclosed at abbested-regilitters and fab biostry and abbested at 1850 - A 15 cm vide inclosed at and abbested area and abbested area and abbested at 1850 - A 15 cm vide inclosed at 1850 - A 15 cm 10 c		Co-ordinates				ويتبالك فيستغديه كالتناسين كالتبعين يتشتر ويستاج المتنبي كالشر			<u></u>	┥ <sub>╸</sub> │	pi	2	.
Description         August           0.37.0887.0         Duscriveries, soveral hads vergo on quartz sreate, includes about 20% vertex, minor atheristics to fulling and fail boards, and board that for medium and thin, contacts atheristics to fulling and fail boards, and board that group areas noted on and at ico and the stand fail boards, and board that group areas noted on and at ico and the stand fail boards, and board the stand thin badd), intervalue to about 30 on are vegoint justiced. to about 30 on are vegoint justices at 100 on vegoint justices and to about 30 on are vegoint justices at 100 on vegoint intervalue to about 30 on are vegoint justices at 100 on vegoint intervalue to about 30 primetry with a stand (shades 0 grow vith fire bictite and transitices badd), all internations are first and prime justices board to about 30 of are vegoint justices badd, and justices badd, all transitices are readily and are vegoint with fire bictite and transities are and intervalue of vector standbards with the light transities and intervalue of vegoint vegoint, standbards with the about 30 of thin transities and and intervalue of vegoint vegoint intervalue standbards are and intervalue of vegoint vegoints, all intervalue standbards are and intervalue of vegoint vegoints, all intervalue standbards areas of vegoint vegoints areas and there are intervalue of vegoin reas and and intervalue of vegoint vegoints areasi		Objective				% Recov.	•			18	6	100	Elev.
239.0 - 805.0  239.0 - 805.0  239.0 - 805.0  239.0 - 805.0  239.0 - 805.0  239.0 - 805.0  239.0 - 805.0  239.0 - 805.0  240.0 - 902.6  240.0	39.0 - 885.0       Durstaursho, sourcel, bede version en quartz stemite, incluides abuel 20% users, since durstaurshow quarts at a few wedden and thin, construint distinct to very and flat to very, act bede horsgeneous with seve disegregated aubactoregrillite, and constructions and thin quarts at a licknesside and thin quarts at a licknesside and thin quarts at a licknesside of the set of the bedee, interveniation of the set of the bedee, interveniation of the set of the set of the bedee, interveniation of the set of the		Description					<u></u>	· · · · · · · · · · · · · · · · · · ·				
Besterie Argein and Jail Co very, sand best horgeneous with some disaggregated in angle to 2 few booking planes. Bedding to core 75° € 644 and 65° € 87°.           885.0 - 502.6         Subte, reducing grey, veryality bedde (preshigh the core 75° € 644 and 65° € 87°.)           885.0 - 502.6         Subte, reducing grey, veryality bedde (preshigh the core 75° € 644 and 65° € 87°.)           902.6 - 502.6         Subte, reducing grey, veryality bedde (preshigh the core 75° € 644 and 65° € 87°.)           902.6 - 502.6         Subte, reducing grey, veryality bedde (preshigh the core 14° € 60° and 72° € 60°.)           902.6 - 500.6         Subte, reducing grey, uniforsity lasineted to be reducing a former therein (there are sinor short fraint softime soft sinot statistic) thereughed there are sinor short fraint softime softime and e files and preshigh the core 14° € 60°.           902.6 - 907.0         Weeke, and subterker/statistical e files and preshigh. Althrough escalar bedding to core 54° € 80°.           903.6 - 907.0         Weeke, and subterker/statistical e core state and significal softem reducing the core 70° € 80°.           903.6 - 907.0         Dusttworker/statistical e core state and significal softem reducing the core 70° € 90°.           903.6 - 907.0         Dusttworker/statistical core in the disk short and section bedde with e state of a state of 140° et 100° et 1	cubecke/srgilite, sedue gray, thick bods with a few makus and thin, compared the regulation of the body setue is the hord sedue gray better is a few marked by the setue is the sedue gray body is a setue is the									+			÷
aubbacks/argililize units, slickensides and thin gouge mease noted on mail at a low angle to are backing biolocs. Bedding to core 250 e 834' and 50 e 874'.       A85.0 - 902.6     Wacks, medium gray, regely backed (probably thick, reduue and thin beds, intervale to about 50 error extratation, fiams structure include the error of a printed back mail to core 40' e 804' and 220 e 804'.       802.6 - 902.6     Wacks, mailum gray, uniferal lasinstad chards of error all the backte and the error all black mailer back mailers and the error all black mailers are filter and ending predetoxic backs.       802.6 - 900.6     Wacks, mailum gray, uniferal lasinstad chards of error all thoogh a backte more.       802.6 - 907.0     Wacks, mailer and the error all black mailers.       802.6 - 907.0     Wacks, mailer and the error all black mailers.       802.6 - 907.0     Wacks, mailer and the error all black mailers.       803.6 - 907.0     Wacks, mailer and the formal black mailers.       803.6 - 907.0     Wacks, mailer and the about the origin and the backte more.       803.6 - 907.0     Wacks, mailer and the formal the backte more.       803.6 - 907.0     Wacks, mailer and the formal the backte more.       803.6 - 907.0     Wacks, mailer and the set and the formal the backte more.       803.6 - 907.0     Wacks, mailer and the formal set and the formal the back the set and the formal the formal set and the formal the formal set and the for	aubecko/segilitie units, slickensides and thin gouys mean noted on and, et low angie to a two beding planes. Bedding to Core 700 B 543 and 550 million to averal to about 30 millions. Bedding the core 540 B 543 and 550 million to averal to about 30 millions. Bedding to core 540 B 545 and 550 million to averal to about 30 millions. Bedding to core 540 B 545 and 550 million to averal to about 30 millions. Bedding to core 540 B 545 and 550 million to averal to attace the bedding planes. Bedding to core 540 B 545 and 550 million to averal to attace 550 million to avera and through the second plane according to attace bedding planes. Bedding to core 540 B 545 and 550 million to averal to attace 550 million to avera and formed plane a couple of thing presel watche beddin. All leanntions are flat and parallal. All Khough a Bedding presel watche beddin. All leanntions are flat and parallal. All Khough a Bedding to core 510 to 300 r 350 r.           90.6 - 957.0         Watche, about 500 million to avera and formed plane a couple of this presel watche beddin. All leanntions are flat and parallal. All Khough a Bedding to core 510 to 300 r 350 r.           97.0 - 997.0         Watche, and guarts are antibu th tools and antibuties are antibuties and watche action antibuties attace to light gray, fine and aeding to core 760 B 960' and 770 B 950'.           97.0 - 997.0         Ouserboreford and including darger bedding to core 760 B 960' and 760 B 950'.         Million and antibuties and the adian back and bedding to core 760 B 960' and 760 B 950'.           97.0 - 997.0         Dastbedding to the secure atter antibuties and the secure atter atter atter atter article. Concertioner zero antibuties and the secure atter atter article. Concertioner zero atter atter atter atter atter atter atter atter atter atter atter atter atter atter atter atter atter atter	839.0 - 8	Eub	wacke/argillite	, medium grey	, thick beds wit	th a few med	lium and thin,	contacts				
ab5.0 - 902,6     Wacke, medium prov. vepuely bedded (probably bhick, medium and thin beds), intervale to explose of purchasion, flame structure noted at 895'. A 13 ce uide incohesive fault bractions where is certained at 894'. Silchensides parallel to everal bedding planes. Bedding to core 64 8 66' and 729 8 66'.       902,6 - 930.6     Vacke, medium prov. vepuely bedded (probably bhick, medium and parallel to everal bedding planes. Bedding to core 64 8 66' and 729 8 66'.       902,6 - 930.6     Vacke, medium prov. uniforsil, lannated (checkes of prov with fine biolite and e trace of pyrrholite) elessie entirely throughout interval (there are winor short fact accident where isse creatized or were not force flux a couple of thin provide file 1301'. All accidence prevent not ignificant silchensides noted. Bedding to core 310 el 301'. 730 el 320' and 800 el 330'.       930.6 - 957.0     were, sabue bothin fave bick beds, contactes abep and file. short (clo cr) intervalue thin goue sees noted. Bedding to core 700 for 90 el 90'.       937.0 - 997.0     Duertwecke and querts erenics with tops and interbeds of verck/subure/argillite. dr arcitics. Conservation and graph beds. contact access (up to 4 se) clote of erricits. Conservation and graph beds.       937.0 - 997.0     Duertwecke and guerts erenics in graph beds.     Bodding to core 760 8 800' and 770 9 800'.       937.0 - 997.0     Duertwecke and guerts erenics in graph beds.     Bodding to core 760 8 800' and 770 9 800'.       937.0 - 997.0     Duertwecke and guerts erenics in graph beds.     Bodding to core 760 8 800' and 770 9 800'.       937.0 - 997.0     Duertwecke and guerts erenics in graph beds.     Bodding to core 760 8 800' and 770 9 800'.   <	a5.0 - 902.6     Wacke, weitus grey, vaguely bedied (prochily thick, weitus and thin bash), intervelle to dynamodizentary witanaion, flame structure noted at 895'.     All on use intervelle and breachers witanaion, flame structure noted at 895'.       02.8 - 930.6     Wacke, medium grey, unifortly heiningted (and 732 9 895'.     Use and the second of the second of the second of the block and reacher second of pytholital allocate antirely throughout interval (there ere since short for faint excitions where large or wars not formed pices a couple of thin preside fiscility in allocate entirely throughout interval (there ere since short for faint excitions where large or wars not formed pices a couple of thin preside fiscility in allocate and pice or 90°.       y2.6 - 937.0     Wacke, medium grey, unifortly heads of grey interturbidite lesinite, slickensided and a few thin guese sease noted. Bedding to core 70° 9 900'.       y2.6 - 957.0     Wacke, medium grey, interturbidite lesinite, slickensided and a few thin guese sease noted. Bedding to core 70° 9 900'.       y2.6 - 957.0     Wacke, and guertz grenite with tops and alterbeds of wecke/subsck/srgrillite, estable in the sease noted. Bedding to core 70° 9 900' and 770° 9 900'.       y2.6 - 957.0     Wacke, and guertz grenite with tops and alterbeds of wecke/subsck/srgrillite, estable in the sease noted. Bedding to core 70° 9 900' and 770° 9 900'.       y2.6 - 957.0     Wacke, and guertz grenite with tops and alterbeds of wecke/subsck/srgrillite, estable in the sease noted. Bedding to core 70° 9 900'.       y2.7 - 997.0     Wacke, and guertz grenite with tops and alterbed of wecke/subsck/srgrillite, estable in the sease noted. Bedding to core 70° 9 950'.       y2.6 e 939'.		sub	wacko/argillite	units, slick	ensides and th:	in gouge seam	s noted on and					
<pre>to about 30 cm are veguary lesinated, there appear to be yeau structure indicative of syneadisettery extension. fines structure notes at 885. All cm vide incohering foult bracis and godge co.ors 64° g 66C and 72° 8 69C. 902.8 - 930.6 Werke, seliam grey, uniforniy lesinated (shedes of grey with fine biolite and a trees of princhiles all select entirely ther phote incohering blue at works of bhin for a trees of princhiles control incohering blue at works of the for at trees of princhiles control incohering blue at works of the for a trees of princhiles control incohering blue at works of the for a trees of princhiles control incohering blue at works of the for and the sections princhiles and the section of the for a blue the sections princhiles and the section of the for a blue the sections for a blue the provised blue the sections princhiles and the sections at the for the blue the sections for a blue the sections at the for the blue the section of the sections for a blue to light grey, section to thin (few thick) bade, contacts at here and filt, shorts (10 cm) internally lesinated beds in prinching to core 780° 8 90° and 70° 8 90°. 957.0 - 997.0 Courtsectes and guerts arenits with those and intervaled of core-sections (10 cm) and a faw thin gouge sees and section grey bade contain care section to fast of eratities. Contractionary for localing grey bade contain cares (10 to 4 section for attricts. Contractionary for localing grey bade contain cares (10 to 4 section for attricts. Contractionary for localing grey bade contain cares (10 to 4 section for attricts. Contractionary for localing grey bade contain cares (10 to 4 section for attricts. Contractionary for localing grey bade contain cares (10 to 4 section for attricts. Contractionary for localing grey bade contain cares (10 to 4 section for attricts. Contractionary for localing grey bade contain cares (10 to 4 section for attricts. Contractionary for localing grey bade contain cares (10 to 4 section for for contains). The section grey bade contain car</pre>	to about 30 cm are veguoly issinated, there appear to be vegue structure indicative f erreadershary extension. <i>flame structure</i> notes at 200°. All 50 cm uits inclusive fault breacts and poops to core 40° \$ 460° and 730° \$ 950°. 02.6 - 930.6 Uncket, wedue gray, unifortly leminated (sheese of gray with fine biotits and internal permittables alload enticity horoghout in frame allows at mouse of thin frame about 20 cm are 200° at 200°. All instantions are flat and permites an uple of thin frame about 200° at 200°, 70° at 200° and 80° at 200°. 190.6 - 957.0 Wacke, memorial constraints, section to fight to core 80° at 200°, 70° at 200° and 80° at 200°. 190.6 - 957.0 Wacke and uncertaints, section to addition to fight internally leminated back including darker gray interturbidite lemin to alloght internally leminated back including darker gray interturbidite and a few thin gray fine and aedius grained. Shick and wedue bedding to core 80° a 30°. 197.0 - 997.0 Ourftworks and gurits aremits with tops and interbased of vecker/arbutche/arbutche/arbut area few thin grays fine and aedius grained. Shick and wedue bedded with a few thin bod. Several of the media for the media field and the field of serial to light gray, fine and mediau grained. Shick and wedue bedded with a few thin bod. Several of the media. Badding to core 74° 8 950° and 74° 8 950°. 200 B 350°. 200	445 0 - 5		ke, medium grev	. vaguely bed	ded (probably t	hick. medium a	ind thin beds).	intervals				
Table breacts and gouge occurs at 954. 51(thensides noted parallel to exversible bedding to core 80 9 806. and 729 8 955.         902.8 - 930.6       Vackes, medium grey, uniforsly lesineted (shedes of grey with fine biotite and the stress of pyrretite) slacet entricely throughout interves (there are since above here). All language occurs at 920. and 920 set 920. The biotite and the stress of pyrretite) slower here in the stress of pyrretite) slower here in the stress of pyrce thist slower here in the stress of pyrce thist slower here in the stress of pyrce thist slower here in the stress of pyrce in the stress of the stress of pyrce in the stress of the s	fault brecks and gouge occurs at 894". Slittensides noted parallel to several bedding pices. Badding to core 60° edd' and 70° 8 695".       002.8 - 930.6         002.8 - 930.6       Wacke, andlus gray, uniforally leminated (shicks of gray vith fine blotite and to tores of pyrthotits) allost entirely throughout interval (there are sinor thort faint sections beddin, all lemination ere flat fine formed pices 6 500pl of thin graded worke beddin, all lemination ere flat fine formed pices 6 500pl of thin preductive beddin, all lemination ere flat fine formed pices 6 500pl of thin preductive beddin, all lemination ere flat fine formed pices 6 500pl of thin preductive beddin, all lemination ere flat fine formed pices 6 500°.         90.6 - 957.0       Wecke, subwecks/arglilit, some guarts contacts sharp and flat, shickensided into a faw thin gouge sease noted. Badding to core 760° 940° end 770° 950°.       1000000000000000000000000000000000000	665.0 - 9	to	about 30 cm are	• vaguely lami	nated, there app	pear to be way	que structures i	indicative				
a tree of pyrholic) alsest entrely throughout intervel (there wind form a couple of thin press accoupt as the altered or very and forms pice accoupt as the altered or very and forms pice accoupt as the altered or very and forms altered or very and the accoupt at the altered or very and the accoupt at the altered or very interverse and forms altered or very and the altered of very and the altered or very altered or very and the altered or very	strace of pyrnheite's alroat entirely throughout interval. (there exists alroat which the faint exists on and forwas of pixes acoults alroat thin graded works badding the entited of verse and forwas presents badding to core 310° at 320°, 750° at 320° and 80° at 330°.		fau	lt breccia and	gouge occurs	at 894'. 51ic	ckensides not	A 15 cm wide i ed parallel to	beveral				
<pre>e trees of pyrhotics) aisest entrely throughout intervel (there winds there faits exclose where isso are allowed pixes couple a couple de thin press at 20 et 30'0, 750 et 350' or 06 400 et 350'.</pre>	strace of pyrnheite's alroat entirely throughout interval. (there exists alroat which the faint exists on and forwas of pixes acoults alroat thin graded works badding the entited of verse and forwas presents badding to core 310° at 320°, 750° at 320° and 80° at 330°.	507 8 - P		ke, medium gr	ev. uniforal	v laminated (	shades of are	y with fine bic	tite and				
preaded worke bedd). All lasinstions are flat and perilist. Although e bedding           preaded is facelity is excettines present no significant alickensides moted. Bedding           to core 81° et 910', 75° et 920' and 80° at 930'.           930.6 - 957.0           Works, subwerke/regrility, escare quertzwerke (quertz arenite), medium to light gray, sedime to thin (for thick) beds, contacts sharp and flat, short (10 cm) internal beds including darker gray intertubidite leainits, alickensided and a few thin goups essas noted. Bedding to core 76° 8 940' and 77° 8 950'.           957.0 - 997.0         Ourtrowcrke and quertz arenit of the reg intertubidite leainits, alickensided and a few thin goups essas noted. Bedding to core 76° 8 940' and 77° 8 950'.           957.0 - 997.0         Ourtrowcrke and quertz arenits bed ac profile webds contacts and while webd. Bedding to core 76° 8 950' end resize of secilate. Contractions present on awarel beds. Bedding to core 76° 8 950' end resize of secilate and the resize of secilate and thin goups essas present on awarel beds. Bedding to core 76° 8 950' end resize of secilate and the resize of secilate and the resize of secilate and resiz	graded worke badel. All lawingtions are fist and parallel. Although e bedding parallel fiselity is concreased measure fightions lickensides noted. Bedding to core sl0 at 510°, 70° et 520° and 80° at 530°.           100.6 - 957.0         Vacks, eubweck/argilite, core guartracks (guartz arenite), sedius to light gry, sedius to thin (few thick) beds, contects sharp end fist, short (fild) cell internally lawined beds including darks gry interturbidts lawinits, sl0(0 cell and a few thin gouge sease noted. Badding to core 76° 8 540° and 70° 8 50°.           107.0 - 957.0         Ourstrawerst arenite with toos and interbeds of vacks/subweck/argilitts, secture to light grey, fine end wedsus grained, thick and medius bedded with a few thin bod. Bowstal of the medius grey beds contains bed at 970° 8 580° and 70° 8 595°.           Drill Hole Record	502.0 - 9	a t:	race of pyrrhot	ite) almost e	ntirely through	out interval	(there are min	nor short				
Drill Hole Record         Dunct         Total Shorts         Aunt         Shorts         Runs         Shorts         Run	partial fielity is acceliese present no significant slickensides noted. Bedding to core 80° at 30°. TSP at 520°.           y20.6 - 957.0         Wacks, subscholergillits, core quartreaches (guertz arenits), sedius to light press equips to thin (Gew thick) bada, cortextcs sheep and flat, short (40 cm) internally lesinated bads including darker grey interturbidits lesinits, slickensided and a few thin gouge sease noted. Bedding to core 76° 8 90° and 77° 8 950°.           57.0         Dustizueries and querts arenits with tops and interbads of water/subworks/argillite, core thin bad, Saveral of the sedius grey bads contain coares (up to 4 se) clots of sericits. Concretionery sonalizes in querts arenits with tops and thin gouge sease present on several bads. Bedding to core 76° 8 950° and 72° 8 955°.           Drill Hole Record         Image: Saveral of the sedius grey bads contain coares (up to 4 se) clots of sericits. Concretionery sonalizes in querts arenits well bads.         Bedding to core 76° 8 950° and 70° at 920°.           Drill Hole Record         Image: Saveral bads.         Bedding to core 76° 8 950° and 70° 8 955°.         Figure 11           Drill Hole Record         Image: Saveral bads.         Bedding to core 76° 8 950° and 70° 8 950°.         Figure 11           Drill Hole Record         Image: Saveral bads.         Bedding to core 76° 8 950° and 70° 8 950°.         Figure 11           Decommanced         Location         Test at 90° 70° 70° 70° 70° 70° 70° 70° 70° 70° 7		GTA	ded wacke beds)	. All lamin	ations are flat	t and paralle	1. Although a	a bedding				
930.6 - 957.0       Wacke, subwacke/argilits, some quartzwacke (quartz screnits), medius to light grey, sedum to thin (few thick) bade, contacts scharp and file, short it (0 cm) internative hainable bade includes and to core 760 \$ 940' and 770 \$ 950'.         957.0 - 997.0       Dustractex and quartz screnits uith tops and interbeds of wacke/subwacke/srgilits, medius to light grey, fine and sedue grained, thick and sedue badded with a few thin bed. Several of the medius grained, thick and sedue badded with a few thin bed. Several of the sedue grained, thick and sedue badded with a few thin bed. Several of the sedue grained, thick and sedue badded with a few thin bed. Several of the sedue grained, thick and sedue badded with a few thin bed. Several of the sedue grained.         Drill Hole Record       Image: the few thin top gray several present on several beds.       Bedding to core 76° \$ 950' and 76° \$ 950' and 76° \$ 950'.         Commanded       Location       Test at Mor. Comp.       Image: the few top gray several beds.       Bedding to core 76° \$ 950' and 76° \$ 950'.         Completed       Core Size       Core Size       Core Dip       Vert Comp.         Completed       Location       Test at Mor. Comp.       E gray fine         Recy:       Description       N Recy.       Date       Sorts Runt Shorts	30.6 - 957.0       Wacke, subwecke/argillite, some quartracke (quartz arenite), sedius to light grey, sedius to thin (few thick) bads, contacts sharp and filet, short (10 cm) internally lawinated beds influing darker grey interrbidits lawints. Schemsided and a few thin gouys sease moted. Bedding to core 70° # 940° and 70° # 950°.         87.0 - 997.0       Dustractors and quartz arenite with tops and interbeds of wacker/subwecker/srillite, sedue to light grey, fine and sedue greined. thick and sedue bedded with a few thin bod. Several of the medius greined. thick and sedue bedded with a few thin gouge sease present on several beds. Bedding to core 70° # 950° and 70° # 950°.         Drill Hole Record       few thick. DOW FOLE *****         Drill Hole Record       few thick. DOW 6463         Broperty Sullivan       Lession         Description       few thick. Bootts Runs Shorts Runs S		par	allel fissility	is sometimes	present no sign	nificant slick	ensides noted.	Bedding			┝┦	
grey, sedium to thin (few thick) beds, contacts sharp and file, short (10 cm) internally lesinted beds including darkers prey interturbidits lesinit. allockensided and a few thin gouge sease noted. Bedding to core 760 # 940 and 770 # 950'.           957.0 - 997.0         Quarts press in the with tops and interbeds of vecke/subscriptilits, redum to light grey, fine and sedium grained. thick and sedium bedded with a few thin bed. Several of the sedium grey beds contain coarse (up to 4 sm) clote of sericits. Concretionary zoncions in guarts arenits bed at 970'. Slickensides and thin gouge sease present on several beds.           Drill Hole Record	grey, sedius to thin (few thick) bads, contects sherp and file, short (10 cm)         internally lesinated bads including darker grey intertribidite lesinite, slickensided and a few thin gouge sease noted. Badding to core 760 8 940° and 770 8 950°.         1g7,0 - 997.0       Ourthoucks and quarts remits with tops and interkeds of vacke/subject/sergilite, seiture in bed, Beveral of the sedius grained. thick and sedius bedded with a few thin bed. Several of the sedius grained. thick and sedius bedded with a few thin gouge sease present on several beds. Bedding to core 760 8 950° and 760 8 950°.         Drill Hole Record       Image: Several of the sedius grained. Thick and sedius bedded with a few thin gouge sease present on several beds. Bedding to core 760 8 950° and 760 8 950°.         Drill Hole Record       Image: Several bedded the sedius grained. Thick and sedius bedded with a few thick and sedius few thick and sedius bedded with a few thick and sedius b											┝┈┤	
Internally leainated back including darker grey interturbidits. elickensided and a few thin googs seese noted. Badding to core 760 9 940° and 770 9 950°.           957.0 - 997.0         Dustizednik and querts gramits with torps and interbeds of werker/subwerke/srgillits. For thin bad. Several of the sadium grey bads contain cores (up to 4 sa) clots of sevirity. Concretionary tomestions in juerts grentits bed at 970°. Slickenside and thin gouge seese present on several bads. Bedding to core 76° 9 960° and 76° 9 995°.           Drill Hole Record         Fore thin bad. Several Description         Description           Completed         Core State         Corn. Dp         Vert. Comp.           Completed         Core State         Corn. Dp         Vert. Comp.           Objective         N. Record         State         Drill Hole State           Completed         Core State         Corn. Dp         Vert. Comp.           Objective         N. Record         State         State           Manne         Shorts Runs	Internally lesinated beds including darker grey interturbidite lesinite. slickensided and a few thin gouge seese noted. Badding to core 760 9 950'.           b57,0 - 997.0         Gustizvecks and quartz serenits with tops and interbeds of werk-nubwacks/srgilits. restitute. Concrete interty file and dulus grey beds contain cores (up to 4 se) clots of sericite. Concrete interty contains in quartz serenits bed at 970'. Slickensides and thin gouge seese present on several beds. Bedding to core 760 9 950' and 760 8 959'.           Drill Hole Record	930.6 - 9	957.0 Wac	ke, subwacke/ar	gillite, som	e quartzwacke ck) beds.conte	(quartz aren acts sharp am	hite), medium d flat. short	to light (<10 cm)		$\vdash$	┝╼┥	
957.0 - 997.0       Ousrtzwecke and quertz eremite with tops and interbede of wecke/subwacke/srgilliks.	by:r.o - 997.0       Ouertzwecke and quertz arenits with tops and interbeds of wecke/subwecke/srgillis.         redux to light grey. fine and sedius grained, thick and sediup to 4.00 clots or of		int	ernally laminat	ed beds inclu	ding darker grey	y interturbidi	te laminite, sl	lickensided		┝╌┥	┝─┦	
reduu to light grey, fine and medium greined. thick and medium bedded with a fock of sericito. Concretionery zonations in quarts greined. to at 970°. Slickensides and thin gouge sense present on saveral beds. Bedding to core 76° 995°.         Drill Hole Record         Completed         Consiste         Constant Runs Shorts Runs Sho	Product to light grey, fine and sedue grained, thick and sedue bedded with e for this bed. Several of the sedue grey bed contain corres (tot 4 m) close of sericite. Concretionary zonations in quarts arenits bed at 970°. Slickensides and thin gouge sease present on serveral beds. Bedding to corre 76° e 950°.           Drill Hole Record         Far this gouge sease present on serveral beds.         Bedding to corre 76° e 950°.           Drill Hole Record         Far this gouge sease present on serveral beds.         Bedding to corre 76° e 950°.           Drill Hole Record         Far this slick         Hole No. DDH 6463           Commenced         Location         Tests slickensity         Hor Comp.           Completed         Core Size         Corr. Dp         Vert. Comp.           Contrast Shorts         Runs         Shorts         Runs <td></td> <td>┝─┤</td> <td></td>											┝─┤	
Few thin bed. Several of the meduus grey beds contains corrections (up to 4 ms) clots of service. Concretions: years present on several beds. Bedding to core 760 9 960' and 760 9 995'.           Drill Hole Record         Function (up to 1 ms) close (up to 1 ms) close (up to 1 ms) close (up to 1 ms) close (up to 1 ms) close (up to 1 ms) close (up to 1 ms) close (up to 1 ms) close (up to 1 ms) close (up to 1 ms) close (up to 1 ms) close (up to 1 ms) clos (up to 1 ms) close (up to 1 ms) close (up to 1 ms	few thin bed. Several of the sedius grey beds contain bed at 970. Slichterides of sericits. Concretionary zonations in quarts areains bed at 970. Slichterides and thin gouge sears present on several beds. Bedding to core 760 9 960' and 760 9 995'.           Drill Hole Record           Dring Description           Runs Shorts	957.0 - 9	97.0 Qua	rtzwacke and qu	artz arenite	with tops and is	nterbeds of wa	icke/subwacke/at	rgillite, 1 with m	$\left  - \right $	┢─┤	┝─┤	
of sericite.         Concretionary zonations in quart erenite bed at 970°.         Slickensides and thin gouge sease present on several beds.         Bedding to core 760° 9 950°.           Drill Hole Record           District in the present on several beds.           Description           Property Sullivan           District in the present on several beds.           Description           Completed           Completed           Consister           Conce Size           Corr, Dip           Vert Comp.           Completed           Conception           Runs           Shorts Runs Shorts Runs Shorts Runs Shorts Runs Shorts Runs Shorts Runs Shorts           10-17           121-125 2.0           121-125 2.0           121-125 2.0           121-125 2.0           121-125 2.0           121-125 2.0           121-125 2.0           121-125 2.0           121-125 2.0           121-125 2.0           121-127 1.0	of sericite. Concretionary zonations in quarts premite bed at 970°. Slickensides and thin gouge sears present on several beds. Bedding to core 76° 9950°.         Drill Hole Record         Dring District         Dring District         Dotation Tests at Hor. Comp.         Commerced         Core Size         Corr. Dip         Vert. Comp.         Completed         Core Size         Corr. Dip         Vert. Comp.         Description         Runs         Shorts Runs       Shorts Runs		fou	thin bed. Se	everal of the	medium grey be	eds contain co	parse (up to 4 )	a) clots			┢─┤	
Property         Sullivan         District         Hole No.         DDH 6463           Property         Sullivan         District         Hole No.         DDH 6463           Commenced         Location         Tests at         Hor. Comp.           Completed         Core Stre         Corr, Dip         Vert. Comp.           Completed         Core Stre         Corr, Dip         Vert. Comp.           Copicities         % Recov.         Date         10           Feedage         Description         750 0.0         -277 0.0         -977 0.0           727 1.5         -130 0.0         -273 0.0         -265 0.0         121-747 0.0         121-747 0.0           730 2.2.0         -137 1.0         -283 0.0         -422 2.0         -565 0.0         -776 0.0         -937 0.0           -30 2.2.0         -137 1.0         -283 0.0         -422 2.0         -275 1.0         -765 0.0         -937 0.0           -41 1.5         -151 0.5         -331 0.5         -447 4.0         -447 4.0         -937 0.0         -477 0.0         -937 0.0           -55 0.6         -177 0.5         -177 0.0         -277 0.0         -937 0.0         -477 0.0         -937 0.0         -477 0.0         -937 0.0         -477 0.0         -937 0.	Drill Hole Record         District         Hole No.         DDH 6463           Property         Sullivan         District         Hole No.         DDH 6463           Commenced         Location         Tests at         Hor. Comp.           Commenced         Corr. Dip         Vert. Comp.           Commenced         Corr. Dip         Vert. Comp.           Completed         Corr. Dip         Vert. Comp.           Construct         N Recov.         Date         Date           Construct         Shorts         Runs         Shorts <th< td=""><td></td><td>of</td><td>sericite. Conc</td><td>retionary 200</td><td>ations in quart:</td><td>z arenite bed</td><td>at 970'. Slid</td><td>ckensides</td><td></td><td></td><td>┝─┤</td><td></td></th<>		of	sericite. Conc	retionary 200	ations in quart:	z arenite bed	at 970'. Slid	ckensides			┝─┤	
Drill Hole Record         Fage 11           Property Sulliven         District         Hole No. DDH 6463         Proge 11           Commenced         Location         Tests at         Hor. Comp.           Completed         Corr. Dip         Vert. Comp.         Egg 20           Completed         Corr. Dip         Vert. Comp.         Egg 20           Completed         Corr. Dip         Vert. Comp.         Egg 20           Objectilve         % Recov.         Date         B           Prom         % Recov.         Date         B           Tom         To         Shorts         Runs         Shorts         Runs           Shorts         Runs         Shorts         Runs         Shorts         Runs         Shorts         Runs           20.0         121-263         (4)         121-417         3.0         121-950         0.0         -271         0.0         -271         0.0         -272         0.0         -272         0.0         -272         0.0         -272         0.0         -272         0.0         -272         0.0         -272         0.0         -272         0.0         -272         0.0         -272         0.0         -272         0.0         -27	Buris         Shorts         Runs         Shorts <t< td=""><td>л. А</td><td></td><td></td><td>readic</td><td></td><td></td><td></td><td>•</td><td></td><td></td><td>┢─┤</td><td></td></t<>	л. А			readic				•			┢─┤	
Brill Hole Record         Earnings         Page 11           Property         Sullivan         District         Hole No.         DDH 6463         Page 11           Property         Sullivan         Lacation         Tests at         Hor. Comp.         Page 11           Commenced         Lacation         Tests at         Hor. Comp.         Lagged by         Page 11           Completed         Corr. Dip         Vert. Comp.         Lagged by         Page 11           Control to the state         True Brg.         Lagged by         Earning 31         Hor. Comp.         Lagged by         Earning 31         <	Buris         Shorts         Runs         Shorts <t< td=""><td></td><td></td><td></td><td></td><td></td><td></td><td></td><td></td><td></td><td>s</td><td>. 1</td><td></td></t<>										s	. 1	
Property         Sulliven         District         Hole No.         DDH 6463           Commenced         Location         Tests at         Hor. Comp.           Completed         Core Size         Corr. Dip         Vert. Comp.           Completed         Core Size         Corr. Dip         Vert. Comp.           Completed         True Brg.         Logged by         Starts           Description         K Recov.         Date         Starts           Non         To         Name         Shorts         Runs         Shorts         Runs <th>Runs         Shorts         Runs         Shorts         <th< th=""><th>· • • • • • • • • •</th><th></th><th></th><th>***** END O</th><th>F HOLE</th><th></th><th></th><th></th><th></th><th></th><th></th><th></th></th<></th>	Runs         Shorts         Runs         Shorts <th< th=""><th>· • • • • • • • • •</th><th></th><th></th><th>***** END O</th><th>F HOLE</th><th></th><th></th><th></th><th></th><th></th><th></th><th></th></th<>	· • • • • • • • • •			***** END O	F HOLE							
Runs         Shorts         Runs         Shorts <th< th=""><th>Runs         Shorts         Runs         Shorts         <th< th=""><th></th><th>le Record</th><th></th><th>••••• END O</th><th>OF HOLE</th><th></th><th><b>\$-\$</b></th><th></th><th> </th><th> </th><th></th><th>[</th></th<></th></th<>	Runs         Shorts         Runs         Shorts <th< th=""><th></th><th>le Record</th><th></th><th>••••• END O</th><th>OF HOLE</th><th></th><th><b>\$-\$</b></th><th></th><th> </th><th> </th><th></th><th>[</th></th<>		le Record		••••• END O	OF HOLE		<b>\$-\$</b>		 			[
Completed         Core Size         Corr. Dip         Vert. Comp.           Co-ordinates         True Brg.         Logged by	Completed         Corr. Dip         Vert. Comp.           Co-ordinates         True Brg.         Logged by           Shorts         Runs         Shorts						DD// 6462	Caminco	Page 11				
Co-ordinates         True Brg.         Logged by         Bais           Objective         % Recov.         Date         Bais           Protop         Description         Analysis           Runs         Shorts	Co-ordinates         True Brg.         Logged by           Objective         % Recov.         Date         E <the< th="">         E<!--</td--><td>Property</td><td>Sullivan</td><td>استيابيها الانتهاك وتوكر وتعرك فعاير النعب</td><td>ct</td><td>Hole No</td><td>•</td><td><b>\$</b>-\$</td><td></td><td>,</td><td></td><td></td><td></td></the<>	Property	Sullivan	استيابيها الانتهاك وتوكر وتعرك فعاير النعب	ct	Hole No	•	<b>\$</b> -\$		,			
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Processe         Description         Analysis           rom         To         To         Analysis           10-17         5.0         121-125         2.0         121-263         (1)         121-417         3.0         121-556         0.0         121-747         0.0         121-907         0.0         -21         0.0         -27         1.5         -130         0.0         -27         3.0         -566         0.0         -757         0.0         -917         0.0         -217         0.0         -213         0.0         -426         3.0         -566         0.0         -757         0.0         -917         0.0           -30         2.0         -137         1.0         -223         0.0         -426         3.0         -577         1.0         -766         0.0         -927         0.0           -317         2.0         -147         5.0         -233         0.0         -422         2.0         -585         0.0         -776         0.0         -937         0.0           -41         1.5         -157         1.0         -309         0.5         -447         0.0         -792         1.0         -957         0.0           -55	Bescription         Analysis           Runs         Shorts         Runs	Property Commenced Completed	Sullivan I	Local	ict	Hole No Tests at Corr. Di	Р	Hor. Comp Vert. Comp	) )				
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Runs         Shorts         Runs         Shorts <th< td=""><td>Runs         Shorts         Runs         Shorts         <th< td=""><td>Property Commenced Completed Co-ordinates</td><td>Sullivan I</td><td>Local</td><td>ict</td><td>Hole No Tests at Corr. Di True Br</td><td>ρ</td><td>Hor. Comp Vert. Comp Logged by</td><td>) )</td><td></td><td>Brg.</td><td></td><td>Elev.</td></th<></td></th<>	Runs         Shorts         Runs         Shorts <th< td=""><td>Property Commenced Completed Co-ordinates</td><td>Sullivan I</td><td>Local</td><td>ict</td><td>Hole No Tests at Corr. Di True Br</td><td>ρ</td><td>Hor. Comp Vert. Comp Logged by</td><td>) )</td><td></td><td>Brg.</td><td></td><td>Elev.</td></th<>	Property Commenced Completed Co-ordinates	Sullivan I	Local	ict	Hole No Tests at Corr. Di True Br	ρ	Hor. Comp Vert. Comp Logged by	) )		Brg.		Elev.
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$\begin{array}{ c c c c c c c c c c c c c c c c c c c$	$\begin{array}{c ccccccccccccccccccccccccccccccccccc$	Property Commenced Completed Co-ordinates Objective Feolage From Te	Sullivan B B B B B B B B B B B B B	Local           Core           Core           Runs         Shorts           121-125         2.0           -130         0.0           -137         1.0           -147         5.0           -151         0.5           -157         1.0           -167         0.5	<u>Runs</u> <u>Shorts</u> <u>121-263 (+1)</u> -273 0.0 -283 0.0 -293 0.0 -309 0/5 -317 0.5	Hole No Tests at Corr. Di True Bry % Reco 8 121-417 3.0 -421 3.0 -426 3.0 -432 2.0 -432 2.0 -440 0.0 -432 3.0	Runs         Shorts           121-556         0.0           -566         0.0           -577         1.0           -585         0.0           -603         0.0           -613         0.0           -623         0.0	Hor. Comp           Hor. Comp           Vert. Comp           Logged by           Date           121-747           0.0           -757           0.0           -766           0.0           -786           0.0           -786           0.0           -792           -801           0.0	<u>Runs</u> <u>Shorts</u> 121-907 0.0 -917 0.0 -927 0.0 -937 0.0 -937 0.0 -947 0.0 -947 0.0				Elev.
-72       1.5       -206       0.0       -354       0.0       -487       0.0       -657       0.0       -820       0.0         -75       2.0       -214       0.0       -364       0.0       -492       0.0       -667       0.0       -825       0.0         -77       1.0       -220       1.0       -367       1.0       -497       0.5       -675       0.5       -833       0.0         -86       3.0       -225       1.0       -336       0.0       -503       0.0       -685       0.0       -843       0.0         -90       2.0       -232       1.0       -387       0.0       -513       0.0       -694       0.0       -853       0.0         -97       2.0       -237       0.0       -389       1.0       -520       0.0       -701       0.5       -863       0.0         -103       1.0       -241       0.0       -337       5.0       -523       0.0       -701       10       -877       0.5         -107       2.0       -247       0.5       -339       1.0       -523       0.0       -716       0.0       -877       0.5 <td><math display="block">\begin{array}{c ccccccccccccccccccccccccccccccccccc</math></td> <td>Property Commenced Completed Co-ordinates Objective Feolage From Te</td> <td>Sullivan Sullivan B B B B B B B B B B B B B</td> <td>Local           Core           Core           121-125           121-125           2.0           -130           0.0           -137           1.0           -147           5.0           -151           0.5           -157           -167           0.5           -175           0.0</td> <td>Runs         Shorts           121-263         (+1)           -273         0.0           -283         0.0           -303         1.0           -309         0/5           -317         0.5           -327         0.5           -329         0.5</td> <td>Hole No. Tests at Corr. Di True Bry % Reco 8 Reco 121-417 3.0 -421 3.0 -421 3.0 -426 3.0 -432 2.0 -440 0.0 -447 4.0 -452 3.0 -459 0.5</td> <td>Runs         Shorts           121-556         0.0           -566         0.0           -577         1.0           -603         0.0           -613         0.0           -627         0.0           -627         0.0</td> <td>Hor. Comp           Hor. Comp           Vert. Comp           Logged by           Date           121-747           0.0           -757           0.0           -766           0.0           -786           0.0           -792           1.0</td> <td><u>Runs</u> <u>Shorts</u> 121-907 0.0 -917 0.0 -927 0.0 -937 0.0 -937 0.0 -947 0.0 -947 0.0</td> <td></td> <td></td> <td></td> <td>Elev.</td>	$\begin{array}{c ccccccccccccccccccccccccccccccccccc$	Property Commenced Completed Co-ordinates Objective Feolage From Te	Sullivan Sullivan B B B B B B B B B B B B B	Local           Core           Core           121-125           121-125           2.0           -130           0.0           -137           1.0           -147           5.0           -151           0.5           -157           -167           0.5           -175           0.0	Runs         Shorts           121-263         (+1)           -273         0.0           -283         0.0           -303         1.0           -309         0/5           -317         0.5           -327         0.5           -329         0.5	Hole No. Tests at Corr. Di True Bry % Reco 8 Reco 121-417 3.0 -421 3.0 -421 3.0 -426 3.0 -432 2.0 -440 0.0 -447 4.0 -452 3.0 -459 0.5	Runs         Shorts           121-556         0.0           -566         0.0           -577         1.0           -603         0.0           -613         0.0           -627         0.0           -627         0.0	Hor. Comp           Hor. Comp           Vert. Comp           Logged by           Date           121-747           0.0           -757           0.0           -766           0.0           -786           0.0           -792           1.0	<u>Runs</u> <u>Shorts</u> 121-907 0.0 -917 0.0 -927 0.0 -937 0.0 -937 0.0 -947 0.0 -947 0.0				Elev.
-86       3.0       -225       1.0       -376       0.0       -503       0.0       -685       0.0       -843       0.0         -90       2.0       -232       1.0       -387       0.0       -513       0.0       -694       0.0       -863       0.0         -97       2.0       -237       0.0       -389       1.0       -520       0.0       -701       0.5       -863       0.0         -103       1.0       -247       0.0       -339       5.0       -522       0.0       -707       1.0       -873       0.0         -107       2.0       -247       0.5       -399       1.0       -532       0.0       -716       0.0       -877       0.5	-86       3.0       -225       1.0       -376       0.0       -503       0.0       -685       0.0       -843       0.0         -90       2.0       -232       1.0       -387       0.0       -513       0.0       -694       0.0       -853       0.0         -97       2.0       -237       0.0       -389       1.0       -520       0.0       -701       0.5       -863       0.0         -103       1.0       -241       0.0       -399       5.0       -523       0.0       -707       1.0       -873       0.0         -107       2.0       -247       0.5       -399       1.0       -532       0.0       -716       0.0       -877       0.5	Property Commenced Completed Co-ordinates Objective Feolage From Te	Sullivan           B<	Local           Core           Core           Core           Local           Core           Runs         Shorts           121-125         2.0           -130         0.0           -137         1.0           -147         5.0           -151         0.5           -157         1.0           -167         0.5           -175         0.0           -187         0.5           -197         0.5	Runs         Shorts           121-263         (+1)           -273         0.0           -283         0.0           -303         1.0           -309         0/5           -317         0.5           -329         0.5           -337         0.5	Hole No. Tests at Corr. Di True Bry % Reco 8 121-417 3.0 -421 3.0 -426 3.0 -432 2.0 -432 2.0 -432 2.0 -432 3.0 -432 3.0 -432 3.0 -457 1.5 -459 0.5 -467 1.0 -477 0.0	P         Shorts           9.	Hor. Comp           Vert. Comj           Logged by           Date           121-747           0.0           -757           0.0           -766           0.0           -766           0.0           -786           0.0           -780           0.0           -805           0.0           -801           0.0           -805           -812           0.0	<u>Runs</u> <u>Shorts</u> 121-907 0.0 -917 0.0 -927 0.0 -937 0.0 -937 0.0 -947 0.0 -947 0.0				Elev.
-86       3.0       -225       1.0       -376       0.0       -503       0.0       -685       0.0       -843       0.0         -90       2.0       -232       1.0       -387       0.0       -513       0.0       -694       0.0       -863       0.0         -97       2.0       -237       0.0       -389       1.0       -520       0.0       -701       0.5       -863       0.0         -103       1.0       -247       0.0       -339       5.0       -522       0.0       -707       1.0       -873       0.0         -107       2.0       -247       0.5       -399       1.0       -532       0.0       -716       0.0       -877       0.5	-86       3.0       -225       1.0       -376       0.0       -503       0.0       -685       0.0       -843       0.0         -90       2.0       -232       1.0       -387       0.0       -513       0.0       -694       0.0       -853       0.0         -97       2.0       -237       0.0       -389       1.0       -520       0.0       -701       0.5       -863       0.0         -103       1.0       -241       0.0       -399       5.0       -523       0.0       -707       1.0       -873       0.0         -107       2.0       -247       0.5       -399       1.0       -532       0.0       -716       0.0       -877       0.5	Property Commenced Completed Co-ordinates Objective Feotage From Te	Sullivan Sullivan B B B B B B B B B B B B B	Local           Core           Core           121-125           121-125           2.0           -130           0.0           -137           1.0           -147           5.0           -151           0.5           -157           -167           0.0           -187           -187           -187           -197           0.5           -197           0.5           -197           0.0	Runs         Shorts           121-263         (+1)           -273         0.0           -283         0.0           -303         1.0           -309         0.5           -317         0.5           -329         0.5           -337         0.5           -347         0.0	Hole No           Tests at           Corr. Dig           True Brg           % Record           121-417           3.0           -421           -426           3.0           -426           -432           2.0           -440           -452           -457           1.5           -459           -457           -457           -457           -457           -457           -457           -457           -457           -457           -457           0.0	P         Shorts           9.	Hor. Comp           Hor. Comp           Vert. Comp           Logged by           Date           121-747           0.0           -757           -766           0.0           -786           0.0           -786           0.0           -801           -805           0.5           -812           0.0           -820           0.0	<u>Runs</u> <u>Shorts</u> 121-907 0.0 -917 0.0 -927 0.0 -937 0.0 -937 0.0 -947 0.0 -947 0.0				
-97       2.0       -237       0.0       -389       1.0       -520       0.0       -701       0.5       -863       0.0         -103       1.0       -241       0.0       -397       5.0       -523       0.0       -707       1.0       -873       0.0         -107       2.0       -247       0.5       -399       1.0       -532       0.0       -716       0.0       -877       0.5	-97 2.0 -237 0.0 -389 1.0 -520 0.0 -701 0.5 -863 0.0 -103 1.0 -241 0.0 -397 5.0 -523 0.0 -707 1.0 -873 0.0 -107 2.0 -247 0.5 -399 1.0 -532 0.0 -716 0.0 -877 0.5	Property Commenced Completed Co-ordinates Objective Feolage From Te	Sullivan Sullivan B B B B B B B B B B B B B	Local           Core           Core           Core           Core           Runs         Shorts           121-125         2.0           -130         0.0           -137         1.0           -147         5.0           -151         0.5           -157         1.0           -167         0.5           -175         0.0           -187         0.5           -197         0.5           -206         0.0           -220         1.0	Runs         Shorts           121-263         (+1)           -273         0.0           -283         0.0           -293         0.0           -303         1.0           -309         0/5           -317         0.5           -327         0.5           -337         0.5           -347         0.0           -364         0.0           -367         1.0	Hole No.           Tests at           Corr. Dig           True Brg           % Reco           121-417           3.0           -421           -426           3.0           -426           -421           -420           -421           -420           -432           -447           -452           -457	Runs         Shorts           121-556         0.0           -566         0.0           -577         1.0           -585         0.0           -603         0.0           -613         0.0           -627         0.0           -627         0.0           -637         0.0           -647         0.0           -657         0.5	Hor. Comp           Hor. Comp           Vert. Comj           Logged by           Date           121-747           0.0           -757           0.0           -766           0.0           -776           0.0           -785           0.0           -785           0.0           -785           0.0           -801           0.0           -803           -805           -812           0.0           -820           -825           0.0	<u>Runs</u> <u>Shorts</u> 121-907 0.0 -917 0.0 -927 0.0 -937 0.0 -937 0.0 -947 0.0 -947 0.0				
-107 2.0 -247 0.5 -399 1.0 -532 0.0 -716 0.0 -877 0.5	-107 2.0 -247 0.5 -399 1.0 -532 0.0 -716 0.0 -877 0.5	Property Commenced Completed Co-ordinates Objective Feotage From Te	Sullivan Sullivan Description Runs Shorts 10-17 5.0 -27 1.5 -30 2.0 -37 2.0 -41 1.5 -51 2.0 -55 0.8 -57 0.5 -66 0.0 -70 0.5 -72 1.5 -75 2.0 -77 1.0 -86 3.0	Runs         Shorts           121-125         2.0           -130         0.0           -137         1.0           -147         5.0           -157         0.0           -157         0.0           -157         0.0           -157         0.0           -175         0.0           -187         0.5           -206         0.0           -220         1.0	Runs         Shorts           Size	Hole No           Tests at           Corr. Dig           True Brg           % Record           121-417           3.0           -421           -426           3.0           -422           -440           0.0           -447           -452           -457           1.5           -459           -457           -477           -503           -503	P         Shorts           9.	Hor. Comp           Hor. Comp           Vert. Comp           Logged by           Date           121-747           0.0           -757           -766           0.0           -766           -776           0.0           -788           0.0           -803           -803           -805           -812           0.0           -820           -833           0.0           -833           -843	<u>Runs</u> <u>Shorts</u> 121-907 0.0 -917 0.0 -927 0.0 -937 0.0 -937 0.0 -947 0.0 -947 0.0				Elev.
		Property Commenced Completed Co-ordinates Objective Feotage From Te	Sullivan Sullivan B B B B B B B B B B B B B	Local           Core           Core           121-125         2.0           -130         0.0           -137         1.0           -147         5.0           -157         1.0           -167         0.5           -179         0.0           -187         0.5           -197         0.5           -206         0.0           -214         0.0           -225         1.0           -237         0.0	Runs         Shorts           8ize	Hole No. Tests at Corr. Di True Bry % Reco 8 Reco 8 Reco 8 Reco 9 Norts 121-417 3.0 -421 3.0 -426 3.0 -432 2.0 -447 4.0 -452 3.0 -447 4.0 -457 1.5 -459 0.5 -457 1.0 -477 0.0 -487 0.0 -497 0.5 -503 0.0 -513 0.0 -513 0.0 -520 0.0	Runs         Shorts           121-556         0.0           -566         0.0           -577         1.0           -585         0.0           -603         0.0           -613         0.0           -627         0.0           -627         0.0           -627         0.0           -637         0.0           -637         0.0           -637         0.0           -637         0.0           -637         0.0           -657         0.5           -685         0.0           -701         0.5	Hor. Comp           Vert. Comp           Logged by           Date           121-747         0.0           -757         0.0           -766         0.0           -776         0.0           -786         0.0           -792         1.0           -799         2.0           -803         1.0           -805         0.5           -812         0.0           -825         0.0           -833         0.0           -843         0.0           -853         0.0	<u>Runs</u> <u>Shorts</u> 121-907 0.0 -917 0.0 -927 0.0 -937 0.0 -937 0.0 -947 0.0 -947 0.0				Elev.
		Property Commenced Completed Co-ordinates Objective Feolage From Te	Sullivan Sullivan B B B B B B B B B B B B B	Local           Core           Core           Core           Core           Local           Core           Core           Local           Core           Local           Core           Core           Local           Core           Local           Core           Local           Core           Local           Local <thlocal< th=""> <thlocal< th=""></thlocal<></thlocal<>	Runs         Shorts           121-263         (+1)           -273         0.0           -283         0.0           -293         0.0           -303         1.0           -303         0.0           -303         0.0           -303         0.0           -303         0.0           -303         0.0           -303         0.0           -303         0.0           -304         0.0           -354         0.0           -364         0.0           -367         1.0           -376         0.0           -387         0.0           -387         0.0           -387         5.0	Hole No.           Tests at           Corr. Dig           True Brg           % Reco           21-417           3.0           -426           -426           3.0           -426           -421           -426           3.0           -426           -432           -447           4.0           -457           -503           -513           -520           -523           -523	Runs         Shorts           121-556         0.0           -566         0.0           -577         1.0           -585         0.0           -603         0.0           -613         0.0           -627         0.0           -627         0.0           -627         0.0           -627         0.0           -627         0.0           -627         0.0           -627         0.0           -627         0.0           -637         0.0           -657         0.5           -665         0.0           -667         0.0           -667         0.5           -685         0.0           -694         0.0           -707         1.0	Hor. Comp           Hor. Comp           Vert. Comp           Logged by           Date           121-747         0.0           -757         0.0           -766         0.0           -776         0.0           -786         0.0           -776         0.0           -786         0.0           -792         1.0           -799         2.0           -803         0.0           -803         0.5           -812         0.0           -820         0.0           -825         0.0           -833         0.0           -843         0.0           -853         0.0           -877         0.5	<u>Runs</u> <u>Shorts</u> 121-907 0.0 -917 0.0 -927 0.0 -937 0.0 -937 0.0 -947 0.0 -947 0.0				
		Property Commenced Completed Co-ordinates Objective Feolage From Te	Sullivan           Sullivan           Description           Runs         Shorts           10-17         5.0           -27         1.5           -30         2.0           -41         1.5           -47         3.5           -55         0.8           -57         0.5           -66         0.0           -70         0.5           -75         2.0           -77         1.0           -90         2.0           -97         2.0           -103         1.0	Local           Core           Core           Core           Core           Runs         Shorts           121-125         2.0           -130         0.0           -137         1.0           -147         5.0           -151         0.5           -157         0.0           -179         0.0           -187         0.5           -206         0.0           -214         0.0           -225         1.0           -237         0.0           -241         0.0           -247         0.5           -252         0.0	Runs         Shorts           Size	Hole No.           Trests at           Corr. Di           True Bry           % Record           % Record           121-417           3.0           -421           -426           3.0           -432           -440           0.0           -447           -457           -459           0.5           -467           -457           -452           -457           -457           -457           -457           -457           -457           -457           -457           -503           0.0           -513           -503           0.0           -513           -520           -532           -537           -537	Runs         Shorts           2	Hor. Comp           Hor. Comp           Vert. Comp           Logged by           Date           121-747           0.0           -757           -756           0.0           -766           -776           0.0           -786           -792           2.0           -801           -805           -812           0.0           -820           -820           -833           0.0           -833           -843           0.0           -833           -873           -873           -873           0.0	<u>Runs</u> <u>Shorts</u> 121-907 0.0 -917 0.0 -927 0.0 -937 0.0 -937 0.0 -947 0.0 -947 0.0				Elev.
		Property Commenced Completed Co-ordinates Objective Feotage From Te	Sullivan Sullivan B Description Runs Shorts 10-17 5.0 -27 1.5 -30 2.0 -41 1.5 -47 3.5 -51 2.0 -55 0.8 -57 0.5 -66 0.0 -70 0.5 -72 1.5 -75 2.0 -77 1.0 -86 3.0 -90 2.0 -97 2.0 -103 1.0 -107 2.0	Local           Core           Core           Core           Core           Runs         Shorts           121-125         2.0           -130         0.0           -137         1.0           -147         5.0           -151         0.5           -157         0.0           -179         0.0           -187         0.5           -206         0.0           -214         0.0           -225         1.0           -237         0.0           -241         0.0           -247         0.5           -252         0.0	Runs         Shorts           Size	Hole No.           Trests at           Corr. Di           True Bry           % Record           % Record           121-417           3.0           -421           -426           3.0           -432           -440           0.0           -447           -457           -459           0.5           -467           -457           -452           -457           -457           -457           -457           -457           -457           -457           -457           -503           0.0           -513           -503           0.0           -513           -520           -532           -537           -537	Runs         Shorts           2	Hor. Comp           Hor. Comp           Vert. Comp           Logged by           Date           121-747           0.0           -757           -756           0.0           -766           -776           0.0           -786           -792           2.0           -801           -805           -812           0.0           -820           -820           -833           0.0           -833           -843           0.0           -833           -873           -873           -873           0.0	<u>Runs</u> <u>Shorts</u> 121-907 0.0 -917 0.0 -927 0.0 -937 0.0 -937 0.0 -947 0.0 -947 0.0				Elev.
		Property Commenced Completed Co-ordinates Objective Feolage From Te	Sullivan Sullivan B Description Runs Shorts 10-17 5.0 -27 1.5 -30 2.0 -41 1.5 -47 3.5 -51 2.0 -55 0.8 -57 0.5 -66 0.0 -70 0.5 -72 1.5 -75 2.0 -77 1.0 -86 3.0 -90 2.0 -97 2.0 -103 1.0 -107 2.0	Local           Core           Core           Core           Core           Runs         Shorts           121-125         2.0           -130         0.0           -137         1.0           -147         5.0           -151         0.5           -157         0.0           -179         0.0           -187         0.5           -206         0.0           -214         0.0           -225         1.0           -237         0.0           -241         0.0           -247         0.5           -252         0.0	Runs         Shorts           Size	Hole No.           Trests at           Corr. Di           True Bry           % Record           % Record           121-417           3.0           -421           -426           3.0           -432           -440           0.0           -447           -457           -459           0.5           -467           -457           -452           -457           -457           -457           -457           -457           -457           -457           -457           -503           0.0           -513           -503           0.0           -513           -520           -532           -537           -537	Runs         Shorts           2	Hor. Comp           Hor. Comp           Vert. Comp           Logged by           Date           121-747           0.0           -757           -756           0.0           -766           -776           0.0           -786           -792           2.0           -801           -805           -812           0.0           -820           -820           -833           0.0           -833           -843           0.0           -833           -873           -873           -873           0.0	<u>Runs</u> <u>Shorts</u> 121-907 0.0 -917 0.0 -927 0.0 -937 0.0 -937 0.0 -947 0.0 -947 0.0				
		Property Commenced Completed Co-ordinates Objective Feetage From Te	Sullivan Sullivan B Description Runs Shorts 10-17 5.0 -27 1.5 -30 2.0 -41 1.5 -47 3.5 -51 2.0 -55 0.8 -57 0.5 -66 0.0 -70 0.5 -72 1.5 -75 2.0 -77 1.0 -86 3.0 -90 2.0 -97 2.0 -103 1.0 -107 2.0	Local           Core           Core           Core           Core           Runs         Shorts           121-125         2.0           -130         0.0           -137         1.0           -147         5.0           -151         0.5           -157         0.0           -179         0.0           -187         0.5           -206         0.0           -214         0.0           -225         1.0           -237         0.0           -241         0.0           -247         0.5           -252         0.0	Runs         Shorts           Size	Hole No.           Trests at           Corr. Di           True Bry           % Record           % Record           121-417           3.0           -421           -426           3.0           -432           -440           0.0           -447           -457           -459           0.5           -467           -457           -452           -457           -457           -457           -457           -457           -457           -457           -457           -503           0.0           -513           -503           0.0           -513           -520           -532           -537           -537	Runs         Shorts           2	Hor. Comp           Hor. Comp           Vert. Comp           Logged by           Date           121-747           0.0           -757           -756           0.0           -766           -776           0.0           -786           -792           2.0           -801           -805           -812           0.0           -820           -820           -833           0.0           -833           -843           0.0           -833           -873           -873           -873           0.0	<u>Runs</u> <u>Shorts</u> 121-907 0.0 -917 0.0 -927 0.0 -937 0.0 -937 0.0 -947 0.0 -947 0.0				

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# Diamond Drill Geological Log For D.D.H. <u>6464</u>

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LAT. 20,000'N DEP. 8,450'W ELEV. 5,500 feet					
DIP: -68,5° AZIM.: 270° LENGTH: 5,701 feet	GENERAL COMMENT	Crew and first	load arrived Oc	t. 28, rig arrived	
HORIZ. COMP. 975 feet VERT. COMP. 5,582 feet	Oct. 31. Field	Supervisor John Ca	ntin. Drilling	Forman John Corsi,	
DATE COLLARED: Nov. 3, 1987 DATE COMPLETED: Feb. 2, 1988	Driller Richard	Druske, helpers D.	Goforth, Bill	Gilroy, Rob Brown,	
CORE STORAGE: Sullivan Mine	cook C. Coomes.	Residence at Kimb			
DRILLED ON CLAIM(S): Telfer and Burgess		SPERRY SUN		Angle	
OBJECTIVE To explore for the continuation of the Sullivan orebody	Depth Dig	Azm Angle	Unit Depth ·	Dip Azm Unit	
north of the Kimberley Fault.	0'-68	.0 270 900	3901'	-84.3 260 200	
PLANNED LENGTH: 6,500 feet	88' -67		4111'	-84.1 not used 60	, 
TERMINATION COMMENTS: Rig not capable of lowering NO rods safely	498 -70		4311	-85.4 251 "	
below 5,700 feet. Considering replacing rig.	751'70		4521	-86.0 243 -86.2 261	
	1001' -74		4719'	<u>-86.2 261 "</u> -86.6 255 "	
	1191' -74		4898 '	-80.6 255	
	<u>1391' -75</u>		5099'	-87.3 252	
DRILLED BY: Connors Drilling Ltd.	1611 -77			0.10	
TYPE DRILL: 56HD	1801' -77		5500 '	-88.1 254 "	·····
CORE SIZE: HQ, NQ	2011' -78			· · · · · · · · · · · · · · · · · · ·	
PERFORMANCE COMMENTS:	2321 -79				
	2521' -80	.4 262 "			
	2701' -80				
	2911' -80				
	3121' -81			·	
	3311 -82				
	3521' -83		<u>`</u>		
	3701' -84	.0 280			
	-		LOG LEGEND		
CASING REMAINING IN HOLE (LENGTH & SIZE): 2,030' NQ			111 11111		
42 HW	- BED THIC	NESS CLASSIFICATIO	N	Quartz	
TYPE CAP & SEALING METHOD: 2' HW welded cap.				$\wedge \cdot$	7
		Very Thick Bed	ded	<b>/</b> ѯ∕~~	
OTHER MATERIAL REMAINING IN HOLE:	-    -	100 cm		<u>  ₹ </u> ₹	
		Thick Bedded	<b> </b>		
	-	30 cm			
	BEDS	Medlum Bedde		Argill	lite
SURVEY INSTRUMENT USED: Sperry Sun. See results to right.		10 cm			
		Thin Beddeo		Hatrix	
ADDITIONAL DOWN HOLE TESTS: Temperature		3 ст			
Depth Time thermometer on bottom Temperature	-1 [	Very Thin Bed		ITHOLOGIC CLASSIFICATION	
5,578 feet 2 hours 115.5° F	┝━━━━━━	1_ cm		-	
5,701 feet 3 hours 118.50 F	-	Laminated			
	LAMINAE	0.3 cm Thinly Lamina		D.H. 6464	

APPENDIX

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Page 1

Comment

Property Sulliva	District Western	Hole No. DDH6464	<b>* *</b>	1	1		
Commenced	Location	Tests at	Hor. Comp.				
Completed	Core Size	Corr. Dip	Vert. Comp.				
Co-ordinates		True Brg.	Logged by	1		đ	
Objective	· · · · · · · · · · · · · · · · · · ·	% Recov.	Date	E			
				Claim	f Brg.	Collar	
	cription			Anal	ysis		
FIOT TO					μ_	-	7
0.0 - 14.0	Overburden				ļ	<b> </b>	_
14.0 - 243.0	Wacke, subwacke and argillite; da	Tk grey and medium grey	we thin the dealers with a star		L		1
	medium beds; bed contacts sharp	p and flat; about 70% or	f interval is laminito most				
	of which is very dark grey with pyrrhotite, some beds are light	h extremely thin lamina torev with more widely	e and which contains fine			L	1
	with minor disseminated pyrrhotit	te, graded beds are prese	ent some with flat parallel	<u> </u>	$\vdash$		4
	current (?) lamination others wi pyrrhotite especially near the	ithout and most of which bases. The latter body	ch have minor disseminated		<b>_</b>	L	4
	gradually and in others acros	55 a planar contact, in	sto distinct argillite Te			L	
	some sections, distinct argillit with the dark laminite. Two th	te also occurs as the Nick wacke/subwacke beda	only lithotype alternating				1
	189.0 to 190.5 contain a few lith	nic clasts. Calcite is p	present as pale grey pheno-		$\vdash$	ļ	4
	crysts in many of the subwacke a few cm long. Bedding to core 6	and wacke beds and ir	a rare liev intervals up to			<b> </b>	1
	@ 115' 55° @ 140', 56° @ 170', 58	e 1964, 56° @ 2234.	- e oz , og- e o/, odo				⊥
243.0 - 264.0	Lithology described above contin	Wes with addition of -	Marty aronito that is list.				1
	grey, fine grained and Calcareous	and containing some f	fine pyrrhotite, especially				1
	at the base. This new lithotyp to 243.7 and 246.0 to 247.1; it o	e is not abundant, the t or quartz wacke forms *	two thickest beds are 243.0				
	2 cm) of a few graded beds. Bedd		ANTH AG989 (1882 CUGN				
							1
264.0 - 336.0	Wacke, subwacke and argillite,	much like first inte	erval, medium to dark grey;				1
	thin bedded with rare medium beds with extremely thin laminations	and contacts sharp and and very fine pyrrhetit	1 flat; dark grey laminite			<u> </u>	1
н. -	beds graded from wacke to argilli	te. Of the latter the g	gradation may be impreceptable	•			1
	or abrupt with sharp internal con	itacts. Several beds not	ted with dark grey elongate				1
		•			. /		
		· · · · · · · · · · · · · · · · · · ·	•				
Drill Hole Rec	ord		Cominco Page 3	·			
		Hole No. DDH6464	Cominco Page 3				
Property Sulliv	n District Western	Hole No. DDH6464 Tests at	Hor. Comp.				
Property Sulliv Commenced	n District Western Location		<b></b>				
Property Sulliv Commenced Completed	n District Western	Tests at Corr. Dip	Hor. Comp.			Dip	
Property Sulliv Commenced	n District Western Location	Tests at Corr. Dip True Brg.	Hor. Comp. Vert. Comp. Logged by		rg.	llar Dip	
Property Sulliv Commenced Completed	n District Western Location	Tests at Corr. Dip	Hor. Comp. Verl. Comp.			Collar Dip	
Property Sulliv Commenced Completed Co-ordinates Objective	n District Western Location Core Size	Tests at Corr. Dip True Brg.	Hor. Comp. Vert. Comp. Logged by			Collar Dip	
Property Sullivi Commenced Completed Co-ordinates Objective Footage Des From To	n District Western Location Core Size	Tests at Corr. Dip True Brg. % Recov.	Hor. Comp. Vert. Comp. Logged by Date			Collar Dip	
Property Sullivi Commenced Completed Co-ordinates Objective Footage Desi From To 254.0 - 336.0	In District Western Location Core Size	Tests at Corr. Dip True Brg. % Recov.	Hor. Comp. Vert. Comp. Logged by Date Date			Collar Dip	
Property Sullivi Commenced Completed Co-ordinates Objective Footage Des From To	In District Western Location Core Size	Tests at Corr. Dip True Brg. % Recov. ************************************	Hor. Comp. Vert. Comp. Logged by Date Date Ay have been precursors to 2657'). From 290 - 291' is attered pyrrhotite. Small			Collar Dip	
Property Sullivi Commenced Completed Co-ordinates Objective Footage Desi From To 254.0 - 336.0	n District Western Location Core Size	Tests at Corr. Dip True Brg. % Recov. % Recov.	Hor. Comp. Vert. Comp. Logged by Date Date Ay have been precursors to 2657'). From 290 - 291' is attered pyrrhotite. Small			Collar Dip	
Property Sulliv: Commenced Completed Co-ordinates Objective Footage From To 264.0 - 336.0 (Cont'd.)	n District Western Location Core Size cription lensoid material in a lighter m laminites produced by dissolut an irregular wacke/subwacke with pale grey calcite phenocrysts a to core 55° @ 276';, 57° @ 303',	Tests at Corr. Dip True Brg. % Recov. % Recov. Matrix, similar beds ma ion stylolitization (2 rip-up clasts and sca tre common. Chlorite cal 55° @ 332'.	Nor. Comp. Vert. Comp. Logged by Date Date Ay have been precursors to 267'). From 290 - 291' is attered pyrrhotite. Small Loite vein @ 329'. Bedding			Collar Dip	
Property Sullivi Commenced Completed Co-ordinates Objective Footage Desi From To 254.0 - 336.0	In District Western Location Core Size Fription lensoid material in a lighter m laminites produced by dissolut an irregular wacke/subwacke with pale grey calcite phenocrysts a to core 55° € 276'; 57° € 303', Wacke, subwacke and argillite; me	Tests at Corr. Dip True Brg. % Recov. % Recov. Matrix, similar beds ma ion stylolitization (2 rip-up clasts and sca ire common. Chlorite cal 55° @ 332'. odium and dark grey; me a graded to argillite al	Hor. Comp. Vert. Comp. Logged by Date Date Ay have been precursors to 267'). From 290 - 291' is attered pyrrhotite. Small Icite vein @ 329'. Bedding edium and thin bedded; bed Iternate with laminites and			Collar Dip	
Property Sulliv: Commenced Completed Co-ordinates Objective Footage From To 264.0 - 336.0 (Cont'd.)	In District Western Location Core Size Scription lensoid material in a lighter m laminites produced by dissolut an irregular wacke/subwacke with pale grey calcite phenocrysts a to core 55° @ 276'; 57° @ 303', Wacke, Subwacke and argillite; me contacts sharp and flat; beds	Tests at Corr. Dip True Brg. % Recov. % Recov. Matrix, similar beds ma ion stylolitization (2 rip-up clasts and sca ire common. Chlorite cal 55° @ 332'. adium and dark grey; me is graded to argillite al isseminated pyrrhotite.	Hor. Comp. Vert. Comp. Logged by Date Date Ay have been precursors to 267'). From 290 - 291' is attered pyrrhotite. Small Icite vein @ 329'. Bedding edium and thin bedded; bed Iternate with laminites and Small pale grey calcite			Collar Dip	
Property Sulliv: Commenced Completed Co-ordinates Objective Footage From To 264.0 - 336.0 (Cont'd.)	In District Western Location Core Size Core Size Core Size Internation Interpolation I	Tests at Corr. Dip True Brg. % Recov. % Recov. Matrix, similar beds ma ion stylolitization (2 rip-up clasts and sca tre common. Chlorite cal S50 @ 332'. Addum and dark grey; me s graded to argillite al disseminated pyrrhotite.	Nor. Comp. Vert. Comp. Logged by Date Date Date Any have been precursors to 267'). From 290 - 291' is attered pyrrhotite. Small lette vein @ 329'. Bedding adium and thin bedded; bed Iternate with laminites and Small pale grey calcite te homogeneous however some			Collar Dip	
Property Sulliv: Commenced Completed Co-ordinates Objective Footage From To 264.0 - 336.0 (Cont'd.)	In District Western Location Core Size Scription lensoid material in a lighter m laminites produced by dissolut an irregular wacke/subwacke with pale grey calcite phenocrysts a to core 55° @ 276'; 57° @ 303', Wacke, Subwacke and argillite; me contacts sharp and flat; beds	Tests at Corr. Dip True Brg. % Recov. % Recov. datrix, similar beds ma ion stylolitization (2 rip-up clasts and sca tre common. Chlorite cal 55° @ 332'. odium and dark grey; me s graded to argillite al lisseminated pyrrhotite. beds are generally guit ally in the lower porti	Nor. Comp. Vert. Comp. Logged by Date Date Date Any have been precursors to 267'). From 290 - 291' is attered pyrrhotite. Small lette vein @ 329'. Bedding adium and thin bedded; bed Iternate with laminites and Small pale grey calcite te homogeneous however some			Collar Dip	
Property Sulliv: Commenced Completed Co-ordinates Objective Footage From To 264.0 - 336.0 (Cont'd.) 336.0 - 410.0	In District Western Location Core Size Core Size Core Size Internation Interna	Tests at Corr. Dip True Brg. % Recov. % Recov. Matrix, similar beds ma ion stylolitization (2 rip-up clasts and sca tre common. Chlorite cal S50 @ 332'. Odium and dark grey; me s graded to argillite al Hisseminated pyrrhotite. beds are generally guit hilly in the lower porti- bed are generally guit hilly in the lower porti- bed 407'.	Nor. Comp. Vert. Comp. Logged by Date Date Any have been precursors to 267'). From 290 - 291' is attered pyrrhotite. Small leite vein @ 329'. Bedding adium and thin bedded; bed Iternate with laminites and Small pale grey calcite te homogeneous however some ion. Bedding to core 57° bedded with thin and medium			Collar Dip	
Property Sulliv: Commenced Completed Co-ordinates Objective Footage From To 264.0 - 336.0 (Cont'd.)	In District Western Location Core Size	Tests at Corr. Dip True Brg. % Recov. % Re	Hor. Comp.         Vert. Comp.         Logged by         Date         ay have been precursors to         257').         From 290 - 291' is         attered pyrrhotite.         Jate         attered pyrrhotite.         beddium and thin bedded; bed         ternate with laminites and         Small pale grey calcite         te homogeneous however some         ion.         Bedding to core \$7°         bedded with thin and medium         p to vague and flat; most			Collar Dip	
Property Sulliv: Commenced Completed Co-ordinates Objective Footage From To 264.0 - 336.0 (Cont'd.) 336.0 - 410.0	In District Western Location Core Size	Tests at Corr. Dip True Brg. % Recov. % Recov. Matrix, similar beds ma ion stylolitization (2 rip-up clasts and sca tre common. Chlorite cal 550 @ 332'. Adium and dark grey; me is graded to argillite al lisseminated pyrhotite. beds are generally quit ally in the lower porti 30 @ 407'. medium grey; thick to be contacts are sharp subtle grading, very fet anyoluted. Pyrhotite.	Hor. Comp. Vert. Comp. Logged by Date Date Any have been precursors to 267'). From 290 - 291' is attered pyrrhotite. Small lotie vein @ 329'. Bedding edium and thin bedded; bed Iternate with laminites and Small pale grey calcite te homogeneous however some ion. Bedding to core 37° bedded with thin and medium p to vague and flat; most w laminites noted. Portion is rare in scattered weak			Collar Dip	
Property Sulliv: Commenced Completed Co-ordinates Objective Footage From To 264.0 - 336.0 (Cont'd.) 336.0 - 410.0	In District Western Location Core Size	Tests at Corr. Dip True Brg. % Recov. % Re	Nor. Comp. Vert. Comp. Logged by Date Date Date Any have been precursors to 267'). From 290 - 291' is attered pyrrhotite. Small lette vein @ 329'. Bedding adium and thin bedded; bed lternate with laminites and Small pale grey calcite te homogeneous however some ion. Bedding to core 57° bedded with thin and medium p to vague and flat; most w laminites noted. Portion is rare in scattered weak attered 581 and 587' contain			Coltar Dip	
Property Sulliv: Commenced Completed Co-ordinates Objective Footage From To 264.0 - 336.0 (Cont'd.) 336.0 - 410.0	In District Western Location Core Size	Tests at Corr. Dip True Brg. % Recov. % Recov. % Recov. atrix, similar beds ma ion stylolitization (2 rip-up clasts and sca are common. Chlorite cal 550 @ 332'. bdium and dark grey; me s graded to argillite al disseminated pyrhotite. beds are generally quit his eminated pyrhotite. beds are generally quit is bed contacts are sharp subtle grading, very few onvoluted. Pyrhotite is bases. Three beds be	Hor. Comp. Vert. Comp. Logged by Date Date Ay have been precursors to 267'). From 290 - 291' is attered pyrrhotite. Small Icite vein @ 329'. Bedding edium and thin bedded; bed Iternate with laminites and Small pale grey calcite te homogeneous however some ion. Bedding to core 57° bedded with thin and medium p to vague and flat; most w laminites noted. Portion is rare in scattered weak atteen 581 and 587' contain e 55° @ 431', 57° @ 465'.			Collar Dip	
Property Sulliv: Commenced Completed Co-ordinates Objective From To 264.0 - 336.0 (Cont'd.) 336.0 - 410.0 410.0 - 632.0	In District Western Location Core Size Core Si	Tests at Corr. Dip True Brg. % Recov. % Recov. % Recov. % Recov. True Brg. % Recov. % R	Nor. Comp. Vert. Comp. Logged by Date Date Ay have been precursors to 267'). From 290 - 291' is attered pyrrhotite. Small leite vein @ 329'. Bedding adium and thin bedded; bed lternate with laminites and Small pale grey calcite te homogeneous however some ion. Bedding to core 37° bedded with thin and medium p to vague and flat; most w laminites noted. Portion is rare in scattered weak atween 581 and 587' contain a 55° @ 431', 57° @ 465'. , 61° @ 613'.	Analy		Coltar Dip	
Property Sulliv: Commenced Completed Co-ordinates Objective Footage From To 264.0 - 336.0 (Cont'd.) 336.0 - 410.0	In District Western Location Core Size	Tests at Corr. Dip True Brg. % Recov. % Recov. % Recov. Matrix, similar beds ma fill and beds ma fill and beds ma sca are common. Chlorite cal 55° @ 332'. Sodium and dark grey; me is graded to argillite al bisseminated pyrhotite. beds are generally quit and dark grey; me is graded to argillite al bisseminated pyrhotite. beds are generally quit and the lower portion of @ 407'. medium grey: thick bed subtle grading, very fee provoluted. Pyrhotite is beds are beds be ghout. Bedding to corr 5', 56° 575', 64° @ 600'. enite 60% of interval. wa	Hor. Comp. Vert. Comp. Logged by Date Date Date Date Any have been precursors to 267'). From 290 - 291' is attered pyrrhotite. Small licite vein @ 329'. Bedding adium and thin bedded; bed Iternate with laminites and Small pale grey calcite te homogeneous however some ion. Bedding to core 570 bedded with thin and medium p to vague and flat; most w laminites noted. Portion is rare in scattered weak atween 581 and 587' contain a 550 @ 431', 570 @ 465'. , 610 @ 613'. acke, subwacke and argillite; edium beds are common and	Analy		Collar Dip	
Property Sulliv: Commenced Completed Co-ordinates Objective From To 264.0 - 336.0 (Cont'd.) 336.0 - 410.0 410.0 - 632.0	In District Western Location Core Size	Tests at Corr. Dip True Brg. % Recov. % Recov. % Recov. % Recov. atrix, similar beds ma ion stylolitization (2 rip-up clasts and sca recommon. Chlorite cal 55° @ 332'. Adium and dark grey; me s graded to argillite al lisseminated pyrhotite. beds are generally quit ally in the lower porti 90 @ 407'. s medium grey; thick be subtle grading, very few powoluted. Pyrhotite i d bases. Three beds be ghout. Bedding to core 5', 56° 575', 64° @ 600'. anite 60% of interval. we d very thick bedded, me	Hor. Comp. Veri. Comp. Logged by Date Date Date Any have been precursors to 267'). From 290 - 291' is attered pyrrhotite. Small Icite vein @ 329'. Bedding edium and thin bedded; bed Iternate with laminites and Small pale grey calcite te homogeneous however some ion. Bedding to core 570 bedded with thin and medium p to vague and flat; most w laminites noted. Portion is rare in scattered weak atween 581 and 587' contain a 550 @ 431'. 570 @ 465'. , 610 @ 613'. acke, subwacke and argillite; edium beds are common and inct and wavy to irregular;	Analy		Collar Dip	
Property Sulliv: Commenced Completed Co-ordinates Objective From To 264.0 - 336.0 (Cont'd.) 336.0 - 410.0 410.0 - 632.0	In District Western Location Core Size	Tests at Corr. Dip True Brg. % Recov. % Recov. % Recov. atrix, similar beds ma clon stylolitization (2 rip-up clasts and sca tre common. Chlorite cal 55° @ 332'. addum and dark grey; me s graded to argillite al disseminated pyrrhotite. beds are generally quit ally in the lower porti 30° @ 407'. medium grey; thick be bed contacts are sharp subtle grading, very few phout. Bedding to corres 5', 56° 575', 64° @ 600', anite 60% of interval, we d very thick bedded, me tacts are sharp to dist: or argillite on top com	Hor. Comp. Vert. Comp. Logged by Date Date Date Date Any have been precursors to 267'). From 290 - 291' is attered pyrrhotite. Small Icite vein @ 329'. Bedding adium and thin bedded; bed Iternate with laminites and Small pale grey calcite te homogeneous however some ion. Bedding to core 57° bedded with thin and medium p to vague and flat; most w laminites noted. Portion is rare in scattered weak atteen 581 and 587' contain is 55° @ 431', 57° @ 465'. , 61° @ 613'. acke, subwacke and argillite; edium beds are common and inct and wavy to irregular; monly with narrow intervals	Analy		Collar Dip	
Property Sulliv: Commenced Completed Co-ordinates Objective From To 264.0 - 336.0 (Cont'd.) 336.0 - 410.0 410.0 - 632.0	In District Western Location Core Size	Tests at Corr. Dip True Brg. % Recov. % Re	Hor. Comp. Veri. Comp. Logged by Date	Analy		Collar Dip	
Property Sulliv: Commenced Completed Co-ordinates Objective From To 264.0 - 336.0 (Cont'd.) 336.0 - 410.0 410.0 - 632.0	In District Western Location Core Size Core Size in Core Size in Core Size in I contain the second secon	Tests at Corr. Dip True Brg. % Recov. % Re	Nor. Comp. Vert. Comp. Logged by Date Date Any have been precursors to 267'). From 290 - 291' is attered pyrrhotite. Small lottered pyrrhotite. Small lotte vein @ 329'. Bedding adium and thin bedded; bed Iternate with laminites and Small pale grey colcite te homogeneous however some ion. Bedding to core 57° bedded with thin and medium p to vague and flat; most w laminites noted. Portion is rare in scattered weak atween 581 and 587' contain e 55° @ 431', 57° @ 465'. , 61° @ 613'. acke, subwacke and argillite; edium beds are common and inct and wavy to irregular; monly with narrow intervals voluted bedding are common, thin and medium beds (lass irregualr. From 825 - 826'	Analy		Collar Dip	
Property Sulliv: Commenced Completed Co-ordinates Objective From To 264.0 - 336.0 (Cont'd.) 336.0 - 410.0 410.0 - 632.0	In District Western Location Core Size	Tests at Corr. Dip True Brg. % Recov. % Re	Hor. Comp. Vert. Comp. Logged by Date	Analy		Collar Dip	

			Hole No. DDH6464	District Western	Property Sullivan
			Tests at Hor. Comp.	Location	Commenced
			Corr. Dip Vert. Comp.	Core Size	Completed
ġ			True Brg. Logged by		Co-ordinates
Collar	a a		% Recov. Date	· · ·	Diective
. 0	+				
	alys			······································	ootage Descriptio
	_	-	ium to dark grey; thin to very thin bedded;		
	-	-	to flat; beds are graded, bases have flame ns. Bedding to core 70° @ 903′.		
		-	e and argillite; medium to light grey; thick	rtz wacke, wacke, minor sub	909.0 - 934.0 Qu
			distinct and flat, a few have small scale ture; beds are featureless except for grading.		
	-		t 922' is 10 cm zone of breccia and gouge nclosing bedding surfaces (thrust?). Bedding	or bleaching on some fractures	Mi pa
			nite and wacke alternate with intervals of		
_		r;  -	former are medium and light grey; thick and istinct and vary from flat to wavy or irregular;		
	_		ng and tops are usually subwacke or argillite. ark grey; medium, thin bedded and laminated;		
_+		L	to flat; beds are graded, some are laminites.		
+		┝	- 937.0'; 940.0 - 950.0'; 951.0 - 953.0'; - 996.0'; 1008,5 - 1018.0'; 1020.0 - 1025.0';		
+		ŀ	46.5 - 1050.0'; 1056.5 - 1058.5'; (Run 1059.0	6.4 - 1037.2'; 1042.3 - 1044.5'	10
	+	ŀ	71.5 - 1079.8. Bedding (where flat) to core; 0° @ 1015'; 68° @ 1037'; 60° @ 1049'; 67°	@ 935'; 70° @ 966'; 70° @ 989	70
	-	l I		079'.	e
	╈	. · F	and dark grey; medium, thick and thin bedded;		
			aded, the coarsest (approach quartz wacke minations (Bouma B) and as well have disseminated	position) generally have curren	
	T	te	erval) - one bed 1104.0 - 1104.5' has pyrrhotite at grade in size to minute at the top. Also		
	$\square$	Ľ	distinctive homogeneous subwacke/argillite	sent are dark grey laminites	pr
	_		, 00- 0 1111 ; /0 0 1128 .	tops. Bedding to core 74° @ 1	þe
			· · · · · · · · · · · · · · · · · · ·		
			Rominon Page 5		ole Record
			<b>Cominco</b> Page 5 Hole No. DDH6464	District Western	6 . 11 i
				District Western Location	Drill Hole Record
			Hole No. DDH6464		roperty Sullivan
r Dip			Hole No. DDH6464 Tests at Hor. Comp.	Location	roperty Sullivan commenced completed
collar Dip	Bra.		Hole No. DDH6464 Tests at Hor. Comp. Corr. Dip Vert. Comp.	Location	roperty Sullivan ommenced ompleted o-ordinates
Collar	Jaka Jaka Jaka		Hole No.     DDH6464       Tests at     Hor. Comp.       Corr. Dip     Vert. Comp.       True Brg.     Logged by	Location	roperty Sullivan ommenced ompleted o-ordinates bjective
Collar			Hole No.     DDH6464       Tests at     Hor. Comp.       Corr. Dip     Vert. Comp.       True Brg.     Logged by       % Recov.     Date	Location Core Size	roperty Sullivan commenced completed co-ordinates bbjective polage Description om To
Collar			Hole No. DDH6464         Tests at       Hor. Comp.         Corr. Dip       Vert. Comp.         True Brg.       Logged by         % Recov.       Date         from 1143.0 - 1160.5', wacke, subwacke and tz arenite/ quartz wacke is thick and medium	Location Core Size rtz arenite, quartz wacke v fillite; medium and light grey;	roperty Sullivan commenced completed co-ordinates bejective polage Description om To Description ar
Collar			Hole No. DDH6464         Tests at       Hor. Comp.         Corr. Dip       Vert. Comp.         True Brg.       Logged by         % Recov.       Date         from 1143.0 - 1160.5', wacke, subwacke and         rtz arenite/ quartz wacke is thick and medium         tinct and flat to undulating; quartz arenite/	Location Core Size rtz arenite, quartz wacke fillite; medium and light grey; ded; bed contacts sharp to	roperty Sullivan commenced completed co-ordinates bjective polage com To 1129.0 - 1168.0 Gu be
Collar			Hole No. DDH6464         Tests at       Hor. Comp.         Corr. Dip       Vert. Comp.         True Brg.       Logged by         % Recov.       Date         from 1143.0 - 1160.5', wacke, subwacke and tz arenite/ quartz wacke is thick and medium stinct and flat to undulating; quartz arenite/ pise featureless.         Wacke/argillite       beds are or p to distinct and flat to undulating; a thick	Location Core Size rtz arenite, quartz wacke v illite; medium and light grey; ded; bed contacts sharp to rtz wacke beds are graded of ium to thin bedded; contacts	roperty Sullivan ommenced ompleted o-ordinates bjective otage Description om To Description 1129.0 - 1168.0 Qu ar be gu
Collar			Hole No. DDH6464         Tests at       Hor. Comp.         Corr. Dip       Vert. Comp.         True Brg.       Logged by         % Recov.       Date         from 1143.0 - 1160.5', wacke, subwacke and         tz arenite/ quartz wacke is thick and medium         stinct and flat to undulating; quartz arenite/         pise featureless.         Wacke/argillite beds are         p to distinct and flat to undulating; a thick         d clasts of argillite indicative of resediment-	Location Core Size rtz arenite, quartz wacke v illite; medium and light grey; ded; bed contacts sharp to rtz wacke beds are graded of ium to thin bedded; contacts	roperty Sullivan commenced completed co-ordinates bjective biage Description om To Description 1129.0 - 1168.0 Gu ar be qu me
Collar			Hole No. DDH6464         Tests at       Hor. Comp.         Corr. Dip       Vert. Comp.         True Brg.       Logged by         % Recov.       Date         from 1143.0 - 1160.5', wacke, subwacke and         tz arenite/ quartz wacke is thick and medium         stinct and flat to undulating; quartz arenite/         pise featureless.         Wacke/argillite beds are         p to distinct and flat to undulating; a thick         d clasts of argillite indicative of resediment-	Location Core Size Trtz arenite, quartz wacke v fillite; medium and light grey; ded; bed contacts sharp to rtz wacke beds are graded of ium to thin bedded; contacts several medium beds have shree on. Bedding to core 71° @ 1143	roperty Sullivan ommenced ompleted o-ordinates bjective bigetive b
Collar			Hole No. DDH6464         Tests at       Hor. Comp.         Corr. Dip       Vert. Comp.         True Brg.       Logged by         % Recov.       Date         from 1143.0 - 1160.5', wacke, subwacke and         tz arenite/ quartz wacke is thick and medium         stinct and flat to undulating; quartz arenite/         pt to distinct and flat to undulating; a thick         dclasts of argillite indicative of resediment-         550 @ 1160'.         um with some dark grey; medium and thin bedded         ontacts are sharp and flat; grading is common	Location Core Size rtz arenite, quartz wacke w illite; medium and light grey; ded; bed contacts sharp to rtz wacke beds are graded of ium to thin bedded; contacts several medium beds have shree on. Bedding to core 71° @ 1143 ke, subwacke and argillite; m h a few isolated thick beds; be	roperty Sullivan ommenced o-ordinates bjective Description om To 1129.0 - 1168.0 Gu ar turne 1168.0 - 1523.0 Wa
Collar			Hole No. DDH6464         Tests at       Hor. Comp.         Corr. Dip       Vert. Comp.         True Brg.       Logged by         % Recov.       Date         A from 1143.0 - 1160.5', wacke, subwacke and tz arenite/ quartz wacke is thick and medium stinct and flat to undulating; quartz arenite/ pise featureless.         Wacke/argillite       beds are         pt to distinct and flat to undulating; a thick id clasts of argillite indicative of resediment-1550 @ 1160'.         m with some dark grey; medium and thin bedded ontacts are sharp and flat; grading is common bed bases and more weakly disseminated above, aminites, base of a thick bed at 1884' has	Location Core Size Trtz arenite, quartz wacke w fillite; medium and light grey; ded; bed contacts sharp to rtz wacke beds are graded of ium to thin bedded; contacts several medium beds have shree on. Bedding to core 71° @ 1143 ke, subwacke and argillite; m h a few isolated thick beds; be en with disseminated pyrrhotite y of the thin beds are dark gre	roperty Sullivan ommenced oordinates bjective Description om To Description 1129.0 - 1168.0 Gu ar be 1168.0 - 1523.0 Wa wi of mathemathemathemathemathemathemathemathe
Collar			Hole No. DDH6464         Tests at       Hor. Comp.         Corr. Dip       Vert. Comp.         True Brg.       Logged by         % Recov.       Date         A from 1143.0 - 1160.5', wacke, subwacke and tz arenite/ quartz wacke is thick and medium stinct and flat to undulating; quartz arenite/         vise featureless.       Wacke/argillite beds are rep to distinct and flat to undulating; a thick id clasts of argillite indicative of resediment-         550 @ 1160'.       Um with some dark grey; medium and thin bedded ontacts are sharp and flat; grading is common bed bases and more weakly disseminated above, aminites, base of a thick bed at 1884' has im beds of predominantly argillite have wacke	Location Core Size Trtz arenite, quartz wacke w illite; medium and light grey; ded; bed contacts sharp to rtz wacke beds are graded of ium to thin bedded; contacts several medium beds have shree on. Bedding to core 71° @ 1143 ke, subwacke and argillite; m h a few isolated thick beds; be en with disseminated pyrrhotite y of the thin beds are dark gre ma B current laminations, m	roperty Sullivan ommenced onpleted o-ordinates bjective Description in To Description 1129.0 - 1168.0 Qu ar be qu 1168.0 - 1523.0 Wa wi off Bc
Collar			Hole No. DDH6464         Tests at       Hor. Comp.         Corr. Dip       Vert. Comp.         True Brg.       Logged by         % Recov.       Date         from 1143.0 - 1160.5', wacke, subwacke and         tz arenite/ quartz wacke is thick and medium         tinct and flat to undulating; quartz arenite/         vise featureless.       Wacke/argillite beds are         rp to distinct and flat to undulating; a thick         ad clasts of argillite indicative of resediment-         550 @ 1160'.         um with some dark grey; medium and thin bedded         ontacts are sharp and flat; grading is common         bed bases and more weakly disseminated above,         aminites, base of a thick bed at 1804' has         um beds of predominantly argillite have wacke         te, medium wacke bed at 1209' is calcareous         sand grains, medium beds of quartz wacke from	Location Core Size Core Si	roperty Sullivan commenced condinates bjective Description To Description De
Collar			Hole No. DDH6464         Tests at       Hor. Comp.         Corr. Dip       Vert. Comp.         True Brg.       Logged by         % Recov.       Date         from 1143.0 - 1160.5', wacke, subwacke and tz arenite/ quartz wacke is thick and medium stinct and flat to undulating; quartz arenite/ vise featureless.         Wacke/argillite beds are 'p to distinct and flat to undulating; a thick id clasts of argillite indicative of resediment-150 @ 1160'.         im with some dark grey; medium and thin bedded ontacts are sharp and flat; grading is common bed bases and more weakly disseminated above, aminites, base of a thick bed at 1884' has im beds of predominantly argillite have wacke ite, medium wacke bed at 1209' is calcareous sand grains, medium beds of quartz wacke from from 1286 - 1289' contains argillite clasts im) grains of pyrrhotite disseminated throughout	Location Core Size rtz arenite, quartz wacke w illite; medium and light grey; ded; bed contacts sharp to rtz wacke beds are graded of ium to thin bedded; contacts several medium beds have shree on. Bedding to core 71° @ 1143 ke, subwacke and argillite; m h a few isolated thick beds; be en with disseminated pyrnhotite y of the thin beds are dark gre ma B current laminations, m ps containing disseminated pyrn contains medium and fine qua 6 - 1229', portion of a thick h	roperty Sullivan commenced co-ordinates bjective Description m To 1129.0 - 1168.0 Gu ar 1168.0 - 1523.0 Wa wi of ma Bc wi ar 12 UBB - 1523.0 Wa Bc Wa Bc Wa Bc Wa Bc Wa Bc Wa Bc Wa Bc Wa Bc Wa Bc Bc Wa Bc Bc Bc Bc Bc Bc Bc Bc Bc Bc
Collar			Hole No. DDH6464         Tests at       Hor. Comp.         Corr. Dip       Vert. Comp.         True Brg.       Logged by         % Recov.       Date         from 1143.0 - 1160.5', wacke, subwacke and         tz arenite/ quartz wacke is thick and medium         stinct and flat to undulating; quartz arenite/         vise featureless.       Wacke/argillite beds are         pt to distinct and flat to undulating; a thick         dclasts of argillite indicative of resediment-         550 @ 1160'.         um with some dark grey; medium and thin bedded         ontacts are sharp and flat; grading is common         bed bases and more weakly disseminated above,         aminites, base of a thick bed at 1884' has         um beds of predominantly argillite have wacke         tte, medium wacke bed at 1209' is calcareous         sand grains, medium beds of quartz wacke from         from 1286 - 1289' contains argillite clasts         um) grains of pyrrhotite disseminated throughout	Location Core Size Core Si	roperty Sullivan commenced condinates bjective Description To Description De
Collar			Hole No. DDH6464         Tests at       Hor. Comp.         Corr. Dip       Vert. Comp.         True Brg.       Logged by         % Recov.       Date	Location Core Size Core Si	roperty Sullivan ommenced onpleted o-ordinates bjective Description To 1129.0 - 1168.0 Gu ar be 1168.0 - 1523.0 Wa wi of me Bc Wi an Bc Wi Ce Ce Ce Ce Ce Ce Ce Ce Ce Ce
Collar			Hole No. DDH6464         Tests at       Hor. Comp.         Corr. Dip       Vert. Comp.         True Brg.       Logged by         % Recov.       Date         A from 1143.0 - 1160.5', wacke, subwacke and         tz arenite/ quartz wacke is thick and medium         tinct and flat to undulating; quartz arenite/         vise featureless.       Wacke/argillite beds are         pt to distinct and flat to undulating; a thick         dclasts of argillite indicative of resediment-         550 @ 1160'.         um with some dark grey; medium and thin bedded         ontacts are sharp and flat; grading is common         bed bases and more weakly disseminated above,         aminites, base of a thick bed at 1804' has         um beds of predominantly argillite have wacke         tte, medium wecke bed at 1209' is calcareous         sand grains, medium beds of quartz wacke from         from 1286 - 1289' contains argillite clasts         um) grains of pyrrhotite disseminated throughout         fracture).       From 1290 to 1510' bedding to         ge fold is penetrated, core in about 25% of         tte was noted in 1-3 mm seams on several         Broken core 1290 - 1336' with short segments         N 1326.5 - 1330.0, broken 1465 - 1508' with	Location Core Size Core Size Trtz arenite, quartz wacke w fillite; medium and light grey; ded; bed contacts sharp to rtz wacke beds are graded of ium to thin bedded; contacts several medium beds have shree on. Bedding to core 71° @ 1143 ke, subwacke and argillite; m h a few isolated thick beds; be en with disceminated pyrrhotice y of the thin beds are dark gre ma B current laminations, m ps containing disseminated pyrrhotice (to 1X4 cm in size and coarse (1 e angle changes radically as s interval is badly broken. P; contacts and rarely in veinla	roperty Sullivan commenced condinates bjective Description To Description To Description Description Description ar at 1129.0 - 1168.0 Gu ar at 1168.0 - 1523.0 Wa off an Be Condinates Description Descript
Collar			Hole No. DDH6464         Tests at       Hor. Comp.         Corr. Dip       Vert. Comp.         True Brg.       Logged by         % Recov.       Date         A from 1143.0 - 1160.5', wacke, subwacke and transmitter and flat to undulating; quartz arenite/ quartz wacke is thick and medium stinct and flat to undulating; quartz arenite/ pise featureless.         Wacke/argillite beds are up to distinct and flat to undulating; a thick and clasts of argillite indicative of resediment-50 @ 1160'.         Im with some dark grey; medium and thin bedded ontacts are sharp and flat; grading is common bed bases and more weakly disseminated above, aminites, base of a thick bed at 1884' has m beds of predominantly argillite have wacke tte, medium wacke bed at 1209' is calcareous sand grains, medium beds of quartz wacka from from 1286 - 1289' contains argillite clasts is m) grains of pyrrhotite disseminated throughout Tracture). From 1290 to 1510' bedding to up fold is penetrated, core in about 25% of thite was noted in 1-3 mm seams on several Broken core 1290 - 1336' with short segments in 1326.5 - 1330.0, broken 1465 - 1508' with yes if present in opposite sense to bedding:	Location Core Size Core Si	roperty Sullivan commenced condinates bjective condinates bjective condinates bjective condinates bjective condinates bjective condinates bjective condinates bjective condinates bjective condinates bjective condinates condinates bjective condinates condinates bjective condinates
Collar			Hole No. DDH6464         Tests at       Hor. Comp.         Corr. Dip       Vert. Comp.         True Brg.       Logged by         % Recov.       Date         from 1143.0 - 1160.5', wacke, subwacke and         tz arenite/ quartz wacke is thick and medium         stinct and flat to undulating; quartz arenite/         vise featureless.         Wacke/argillite beds are         rp to distinct and flat to undulating; a thick         dd clasts of argillite indicative of resediment-         550 @ 1160'.         um with some dark grey; medium and thin bedded         ontacts are sharp and flat; grading is common         bed bases and more weakly disseminated above,         aminites, base of a thick bed at 1864' has         m beds of predominantly argillite have wacke         te, medium wacke bed at 1209' is calcareous         sand grains, medium beds of quartz wacke from         from 1286 - 1289' contains argillite clasts         m) grains of pyrrhotite disseminated throughout         fracture).       From 1290 to 1510' bedding to         fe fold is penetrated, core in about 25% of         btite was noted in 1-3 mm seams on several         Broken core 1290 - 1336' with short segments         1326,5 - 1330.0, broken 1465 - 1508' with         seif present in op	Location Core Size Trtz arenite, quartz wacke fillite; medium and light grey; ded; bed contacts sharp to rtz wacke beds are graded of ium to thin bedded; contacts several medium beds have shree on. Bedding to core 71° @ 1143 ke, subwacke and argillite; m h a few isolated thick beds; be en with disseminated pyrrhotite y of the thin beds are dark gre ma B' current laminations, m ps containing disseminated pyrrhotite to 1229', portion of a thick I to 124 cm in size and coarse (2 d a 2 mm wide pyrrhotite-calcif e angle changes radically as s interval is badly broken. Py contacts and rarely in veinle good core, gouge in intervals r intervals. Bedding/with cla 9 @ 1269'; 55° @ 1179', 71° @ 2 @ 2269'; 75° @ 1284'; 53° @	operty Sullivan ommenced ompleted o-ordinates bjective Description m To 1129.0 - 1168.0 Gu ar 1168.0 - 1523.0 Wa off m ar 1168.0 - 1523.0 Wa off ar at 1168.0 - 1523.0 Wa off ar at 1168.0 - 1523.0 Wa ar at 1168.0 - 1523.0 Wa ar at 1172 - 1523.0 Wa at at 1168.0 - 1523.0 Wa at 1168.0 - 1523.0 Wa at 1168.0 - 1523.0 Wa at 1172 - 1523.0 Wa 1172 - 152
Collar			Hole No. DDH6464Tests atHor. Comp.Corr. DipVert. Comp.True Brg.Logged by% Recov.Date% Recov.Date	Location Core Size Core Size C	operty Sullivan ommenced ompleted o-ordinates bjective Description m To 1129.0 - 1168.0 Gu me at 1168.0 - 1523.0 Wa of ma Bc wi of at 125.0 Va of at 125.0 Va at 125.0 Va 125.0
Collar			Hole No. DDH6464         Tests at       Hor. Comp.         Corr. Dip       Vert. Comp.         True Brg.       Logged by         % Recov.       Date         .       from 1143.0 - 1160.5', wacke, subwacke and         .       from 1141.0 undulating; quartz arenite/         .       from 1141.0 undulating; quartz arenite/         .       from 1141.0 undulating; a thick         .       for distinct and flat to undulating; a thick         .       for distinct and flat; grading is common         .       beds of argillite indicative of resediment-         .50° @ 1160'.       for distinct and flat; grading is common         .       beds of predominantly argillite have wacke         .       sam beds of quartz wacke from         .       fr	Location Core Size Core Size C	roperty Sullivan commenced completed co-ordinates bjective Description To Description To Description To Description Description To Description To Description To Description To Description To Car Car Car Car Car Car Car Car
Collar			Hole No. DDH6464         Tests at       Hor. Comp.         Corr. Dip       Vert. Comp.         True Brg.       Logged by         % Recov.       Date         from 1143.0 - 1160.5', wacke, subwacke and transmitter (quartz wacke is thick and medium stinct and flat to undulating; quartz arenite/ pise featureless.       Wacke/argillite beds are to be distinct and flat to undulating; a thick dist control of the contro	Location Core Size Core Size C	operty Sullivan primenced profinates poletive Description m To 1129.0 - 1168.0 Gu ar be qu 168.0 - 1523.0 Wa off ar at 168.0 - 1523.0 Wa off ar at 129.0 - 1523.0 Wa Second ar at 129.0 - 1523.0 Wa Be at 129.0 - 1523.0 Wa Be at 129.0 - 1523.0 Wa Be at 129.0 - 1523.0 Wa Be at 129.0 - 1523.0 Wa at 129.0 - 1523.0 Wa 129.0 - 1523.0 Wa

Property       Sullivan       District       Western       Hole No.       Dunbedb4         Commenced       Location       Tests at       Hor. Comp.         Completed       Core Size       Corr. Dip       Vert. Comp.         Co-ordinates       True Brg.       Logged by         Objective       % Recov.       Date       E         Foolage       Description       Analysis         From Yo       Sull to medium greey; grains to fine sand size; thick, rarely medium bedded; contacts distinct to vague, most flat, some load features; Bouma AE beds, E portion is very minor. Alteration comprises minor silica enrichment along fractures, some quartz veinlets, patchy chlorite sericite. The wacke, subwacke and argillite, from 1539' - 1544'.       Figure thick beds; contacts distinct to vague most flat, some load features; Bouma AE beds, from 1539' - 1544'.       Figure thick beds; contacts distinct to dark greey; medium and thin bedded with some thick beds; contacts generally sharp and flat; beds are graded. Thick subwacke and argillite beds between 1584 and 1588' contain pyrrhotitiferous wacke dikes 0.5 to 1.5 cm wide, the dikes have been folded and esparated into segments during compaction, pyrrhotite content is up ot 50X. Pyrrhotite and pyrite noted on fractures, most often parallel to bedding to core: 680' (irregular) @ 1523', 700' @ 1539'; 690' 1552'; 650' @ 1562'; 650' @ 1570' and 690' @ 1575'.
Co-ordinates       True Brg.       Logged by         Objective       % Recov.       Date       E         Foolage       Description       Analysis         From Ta       Analysis         1523.0 - 1593.0       Quartz wacke and quartz arenite with intervals of wacke, subwacke and argillite.       Analysis         Istance       The former is light to medium grey; grains to fine sand size; thick, rarely medium bedded; contacts distinct to vague, most flat, some load features; Bouma AE beds, E portion is very minor. Alteration comprises minor silica enrichment along fractures, some quartz veinlets, patchy chlorite sericite. The wacke, subwacke and argillite, from 1539' - 1544', 1548 - 1564' and 1570 - 1576' is medium dark to dark grey; medium and thin bedded with some thick beds; contacts generally sharp and flat; beds are graded. Thick subwacke and argillite beds between 1584 and 1588' contain pyrrhotitiferous wacke dikes 0.5 to 1.5 cm wide, the dikes have been folded and separated into segments during compaction, pyrrhotite content is up ot 50%. Pyrhotite and pyrite noted on fractures, most often parallel to bedding. Bedding to core: 68° (irregular) E 1523', 70° E 1539'; 65° E 1552'; 65° E 1570' and
Objective       % Recov.       Date       E       B         Footage       Description       Analysis         From       To       Analysis         1523.0 - 1593.0       Quartz wacks and quartz arenite with intervals of wacks, subwacks and argillite.       Analysis         Iscale       The former is light to medium grey; grains to fine sand size; thick, rarely medium bedded; contacts distinct to vague, most flat, some load features; Bouma AE beds, E portion is very minor. Alteration comprises minor silica enrichment along fractures, sone quartz veinlets, patchy chlorite sericite. The wacks, subwacks and argillite, from 1539' - 1544', 1548 - 1564' and 1570 - 1576' is medium dark to dark grey; medium and thin bedded with some thick beds; contacts generally sharp and flat; beds are graded. Thick subwacke and argillite beds between 1584 and 1584 and 1584' contain pyrrhotitiferous wacke dikes 0.5 to 1.5 cm wide, the dikes have been folded and separated into segments during compaction, pyrrhotite content is up ot 50%. Pyrrhotite and pyrite noted on fractures, most often parallel to bedding. Bedding to core: 68° (irregular) £ 1523', 70° £ 1537'; 65° £ 1552'; 65° € 1570' and
Footage       Description       Analysis         from       To       Interval
Foolage       Description         from       To         1523.0 - 1593.0       Quartz wacke and quartz arenite with intervals of wacke, subwacke and argillite.         The former is light to medium grey; grains to fine sand size; thick, rarely medium       bedded; contacts distinct to vague, most flat, some load features; Bouma AE beds, E portion is very minor. Alteration comprises minor silica enrichment along fractures, some quartz veinlets, patchy chlorite sericite. The wacke, subwacke and argillite, from 1539' - 1544', 1548 - 1564' and 1570 - 1576' is medium dark to dark grey; medium and thin bedded with some thick beds; contacts generally sharp and flat; beds are graded. Thick subwacke and argillite beds between 1584 and 1586' contain         pyrrhotitiferous wacke dikes 0.5 to 1.5 cm wide, the dikes have been folded and separated into segments during compaction, pyrrhotite content is up ot 50%. Pyrrhotite and pyrite noted on fractures, most often parallel to bedding. Bedding to core:         68° (irregular) @ 1523', 70° @ 1539'; 65° [1552'; 65° @ 1562'; 65° [6 1570' and
From To 1523.0 - 1593.0 Quartz wacke and quartz arenite with intervals of wacke, subwacke and argillite. The former is light to medium grey; grains to fine sand size; thick, rarely medium bedded; contacts distinct to vague, most flat, some load features; Bouma AE beds, E portion is very minor. Alteration Comprises minor silica enrichment along fractures, some quartz veinlets, patchy chlorite sericite. The wacke, subwacke and argillite, from 1539' - 1544', 1548 - 1564' and 1570 - 1576' is medium dark to dark grey; medium and thin bedded with some thick beds; contacts generally sharp and flat; beds are graded. Thick subwacke and argillite beds between 1584 and 1588' contain pyrrhotitiferous wacke dikes 0.5 to 1.5 cm wide, the dikes have been folded and separated into segments during compaction, pyrrhotite content is up ot 50%. Pyrrhotite and pyrite noted on fractures, most often parallel to bedding. Bedding to core: 68° (irregular) € 1523', 70° € 1539'; 65° € 1522'; 65° € 1570' and
The former is light to medium grey; grains to fine sand size; thick, rarely medium bedded; contacts distinct to vague, most flat, some load features; Bouma AE beds, E portion is very minor. Alteration comprises minor silica enrichment along fractures, some quartz veinlets, patchy chlorite sericite. The wacke, subwacke and argillite, from 1539' - 1544', 1548 - 1564' and 1570 - 1576' is medium dark to dark grey; medium and thin bedded with some thick beds; contacts generally sharp and flat; beds are graded. Thick subwacke and argillite beds between 1584 and 1586' contain pyrrhotitiferous wacke dikes 0.5 to 1.5 cm wide, the dikes have been folded and separated into segments during compaction, pyrrhotite content is up ot 50%. Pyrrhotite and pyrite noted on fractures, most often parallel to bedding. Bedding to core: 68° (irregular) @ 1523', 70° @ 1539'; 69° 1552'; 65° @ 1562'; 65° @ 1570' and
bedded; contacts distinct to vague, most flat, some load features; Bouma AE beds, E portion is very minor. Alteration comprises minor silica enrichment along fractures, some quartz veinlets, patchy chlorite sericite. The wacke, subwacke and argillite, from 1539' - 1544', 1548 - 1564' and 1570 - 1576' is medium dark to dark grey; medium and thin bedded with some thick beds; contacts generally sharp and flat; beds are graded. Thick subwacke and argillite beds between 1584 and 1588' contain pyrrhotitiferous wacke dikes 0.5 to 1.5 cm wide, the dikes have been folded and separated into segments during compaction, pyrrhotite content is up ot 50%. Pyrrhotite and pyrite noted on fractures, most often parallel to bedding. Bedding to core: 68° (irregular) @ 1523', 70° @ 1539'; 69° 1552'; 65° @ 1562'; 65° @ 1570' and
E portion is very minor. Alteration comprises minor silica enrichment along fractures, some quartz veinlets, patchy chlorite sericite. The wacke, subwacke and argillite, from 1539' - 1544', 1548 - 1564' and 1570 - 1576' is medium dark to dark grey; medium and thin bedded with some thick beds; contacts generally sharp and flat; beds are graded. Thick subwacke and argillite beds between 1584 and 1588' contain pyrrhotitiferous wacke dikes 0.5 to 1.5 cm wide, the dikes have been folded and separated into segments during compaction, pyrrhotite content is up ot 50%. Pyrrhotite and pyrite noted on fractures, most often parallel to bedding. Bedding to core: 68° (irregular) @ 1523', 70° @ 1539'; 69° 1552'; 65° @ 1562'; 65° @ 1570' and
from 1539' - 1544', 1548 - 1564' and 1570 - 1576' is medium dark to dark grey; medium and thin bedded with some thick beds; contacts generally sharp and flat; beds are graded. Thick subwacke and argillite beds between 1584 and 1588' contain pyrrhotitiferous wacke dikes 0.5 to 1.5 cm wide, the dikes have been folded and separated into segments during compaction, pyrrhotite content is up ot 50%. Pyrrhotite and pyrite noted on fractures, most often parallel to bedding. Bedding to core: 68° (irregular) @ 1523', 70° @ 1539'; 69° 1552'; 65° @ 1562'; 65° @ 1570' and
medium and thin bedded with some thick beds; contacts generally sharp and flat; beds are graded. Thick subwacke and argillite beds between 1584 and 1588' contain pyrrhotitiferous wacke dikes 0.5 to 1.5 cm wide, the dikes have been folded and separated into segments during compaction, pyrrhotite content is up ot 50%. Pyrrhotite and pyrite noted on fractures, most often parallel to bedding. Bedding to core: 68° (irregular) @ 1523', 70° @ 1539'; 69° 1552'; 65° @ 1562'; 65° @ 1570' and
pyrrhotitiferous wacke dikes 0.5 to 1.5 cm wide, the dikes have been folded and separated into segments during compaction, pyrrhotite content is up of 50%. Pyrrhotite and pyrite noted on fractures, most often parallel to bedding. Bedding to core: 68° (irregular) @ 1523', 70° @ 1539'; 69° 1552'; 65° @ 1562'; 65° @ 1570' and
and pyrite noted on fractures, most often parallel to bedding. Bedding to core: 68° (irregular) @ 1523', 70° @ 1539'; 69° 1552'; 65° @ 1562'; 65° @ 1570' and
68° (irregular) @ 1523', 70° @ 1539'; 69° 1552'; 65° @ 1562'; 65° @ 1570' and
1593.0 - 1789.0 Wacke, subwacke and argillite; medium and dark grey; 1593.0 - 1630.0' thin bedded; bed contacts sharp and flat or undulating; graded
beds alternate with dark laminites; graded bases often have disseminated
pyrrhotite and some are cross laminated (Bouma CE and CDE beds). 1630.0 - 1674.0′ medium and thin bedded, few thick beds; of latter one is vaguely
laminated wacke, another mostly wacke/subwacke with disseminated and blebs of pyrrhotite with a quartz wacke base overlying a medium quartz wacke bed
(1664').
1674.0 - 1680.0' thin bedded; contacts sharp and flat; small fold faulted at 1675.0.
1680.0 - 1712.0' medium and thin bedded, three thick beds; most beds graded, many of the wacke bases have weak disseminated pyrrhotite. Thin laminates
frequently separate beds; bed contacts sharp to distinct and flat, rarely
wavy. Disaggregated bed of argillite and subwacke at 1710'.
Drill Hole Record Page 7
Drill Hole Record Property Sullivan District Western Hole No. DDH6464
Property Sullivan District Western Hole No. DDH6464 Commenced Location Tests at Hor. Comp.
Property         Sullivan         District         Western         Hole No.         DDH6464           Commenced         Location         Tests at         Hor. Comp.           Completed         Core Size         Corr. Dip         Vert. Comp.
Property     Sullivan     District     Western     Hole No.     DDH6464       Commenced     Location     Tests at     Hor. Comp.       Completed     Core Size     Corr. Dip     Vert. Comp.       Co-ordinates     True Brg.     Logged by
Property     Sullivan     District     Western     Hole No.     DDH6464       Commenced     Location     Tests at     Hor. Comp.       Completed     Core Size     Corr. Dip     Vert. Comp.       Co-ordinates     True Brg.     Logged by
Property       Sullivan       District       Western       Hole No.       DDH6464         Commenced       Location       Tests at       Hor. Comp.         Completed       Core Size       Corr. Dip       Vert. Comp.         Co-ordinates       True Brg.       Logged by       Egiter         Objective       % Recov.       Date       Egiter       Garatysis
Property       Sullivan       District       Western       Hole No.       DDH6464         Commenced       Location       Tests at       Hor. Comp.         Completed       Corre Size       Corr. Dip       Vert. Comp.         Co-ordinates       True Brg.       Logged by       E
Property       Sullivan       District       Western       Hole No.       DDH6464         Commenced       Location       Tests at       Hor. Comp.         Completed       Corre Size       Corr. Dip       Vert. Comp.         Co-ordinates       True Brg.       Logged by       District       Mailyeis         Objective       % Recov.       Date       E       O       District         Feotage       Description       True       Separated       by 2.5' of thin beds.       Both thick
Property       Sullivan       District       Western       Hole No.       DDH6464         Commenced       Location       Tests at       Hor. Comp.         Completed       Core Size       Corr. Dip       Vert. Comp.         Co-ordinates       True Brg.       Logged by       Property         Objective       % Recov.       Date       E       P         Footage       Description       Footage       P       Analysis         from       To       1593.0 - 1789.0       1712.0 - 1718.0       two thick beds separated by 2.5' of thin beds. Both thick (Cont'd.)       Isequence of the sequence of the
Property       Sullivan       District       Western       Hole No.       DDH6464         Commenced       Location       Tests at       Hor. Comp.         Completed       Core Size       Corr. Dip       Vert. Comp.         Co-ordinates       True Brg.       Logged by       E       Objective       % Recov.       Date       E       Objective         Processe       Description       To       State       State       State       Analysis         Footage       Description       From To       State       State       State       State       State       State         1593.0 - 1789.0       1712.0 - 1718.0       two thick beds separated by 2.5' of thin beds. Both thick (Cont'd.)       Deds are disaggregated, most likely resedimented. Upper one is approaching quartz wacke composition and has numerous granule and slightly larger argillite and subwacke clasts 'in the basal half and scattered pyrhotite throughout. Lower one is mostly argillite with fine wisps of slightly pyrhotitic subwacke.       Lower cone is mostly argillite with fine wisps of slightly pyrhotitic subwacke.
Property       Sullivan       District       Western       Hole No.       DDH6464         Commenced       Location       Tests at       Hor. Comp.         Completed       Core Size       Corr. Dip       Vert. Comp.         Co-ordinates       True Brg.       Logged by       E
Property       Sullivan       District       Western       Hole No.       DDH6464         Commenced       Location       Tests at       Hor. Comp.         Completed       Core Size       Corr. Dip       Vert. Comp.         Co-ordinates       True Brg.       Logged by       Property         Objective       % Recov.       Date       E       Property       Property       Sullivan       Analysis         Footage       Description       Model of the set of th
Property       Sullivan       District       Western       Hole No.       DDH6464         Commenced       Location       Tests at       Hor. Comp.         Completed       Core Size       Corr. Dip       Vert. Comp.         Co-ordinates       True Brg.       Logged by         Objective       % Recov.       Date       E         Footage       Description       Analysis         From       To       Itspace       Soft Hin beds.       Both thick         1593.0 - 1789.0       1712.0 - 1718.0       two thick beds separated by 2.5' of thin beds. Both thick       Analysis         from       To       Itspace       Itspace       Itspace       Itspace         1593.0 - 1789.0       1712.0 - 1718.0       two thick beds separated by 2.5' of thin beds. Both thick       Itspace         icont'd.)       beds are disaggregated, most likely resedimented.       Upper one is approaching quartz wacke composition and has numerous granule and slightly larger argillite and subwacke.       Itspace         i1718.0       1784.0       thin bedded with quite a few medium beds; dark grey laminites alternate with medium grey beds predominantly argillite with bases that grade from subwacke or wacke. Most of these bases and the few wacke/subwacke wispy layers in the argillite have disseminated pyrrhotite and in more weathered looking layers pyrite (often with minor calcite).       Pyrrhotite i
Property       Sullivan       District       Western       Hole No.       DDH6464         Commenced       Location       Tests at       Hor. Comp.         Completed       Core Size       Corr. Dip       Vert. Comp.         Co-ordinates       True Brg.       Logged by       E       B         Objective       % Recov.       Date       E       B       B         reelage       Description       X       Recov.       Date       E       B       B         1593.0 - 1789.0       1712.0 - 1718.0       two thick beds separated by 2.5' of thin beds. Both thick beds are disaggregated, most likely resedimented. Upper one is approaching quartz wacke composition and has numerous granule and slightly larger argillite and subwacke clasts in the basel half and scattered pyrrhotite throughout. Lower one is mostly argillite with fine wisps of slightly pyrrhotitic subwacke.       Image: Construct and the second with quite a few medium beds; dark grey laminites alternate with medium grey beds predominantly argillite with bases that grade from subwacke or wacke. Nost of these bases and the few wacke/subwacke wispy layers in the argillite have disseminated pyrrhotite and in more weathered looking layers pyrite (often with minor calcite). Pyrhotite is up to 50% across 1 cm. One quartz arenite sandstone dike cuts bedding near 90° @ 1771
Property       Sullivan       District       Western       Hole No.       DDH6464         Commenced       Location       Tests at       Hor. Comp.         Completed       Core Size       Corr. Dip       Vert. Comp.         Co-ordinates       True Brg.       Logged by       E         Objective       % Recov.       Date       E       Component         Coolage       Description       Analysis       Analysis         Tro       Its93.0 - 1789.0       1712.0 - 1718.0       two thick beds separated by 2.5' of thin beds. Both thick beds are disaggregated, most likely resedimented. Upper one is approaching quartz wacke composition and has numerous granule and slightly larger argillite and subwacke clasts in the basel half and scattered pyrrhotite throughout. Lower one is mostly argillite with fine wisps of slightly pyrrhotitic subwacke.         1718.0 - 1784.0       thin bedded with quite a few medium beds; dark grey laminites alternate with medium grey beds predominantly argillite with bases that grade from subwacke or wacke. Most of these bases and the few wacke/subwacke wispy layers in the argillite have disseminated pyrrhotite is up to 50x across 1 ca. One quartz arenite sendstone dike cuts bedding near 90° g 1771 - 1772'.
Property       Sullivan       District       Western       Hole No.       DDH6464         Commenced       Location       Tests at       Hor. Comp.         Completed       Core Size       Corr. Dip       Vert. Comp.         Co-ordinates       True Brg.       Logged by         Objective       % Recov.       Date       E         Processe       Description       Analysis         rem       To       Not. Comp.       Analysis         1593.0 - 1789.0       1712.0 - 1718.0       two thick beds separated by 2.5' of thin beds. Both thick beds are disaggregated, most likely resedimented. Upper one is approaching quartz wacke composition and has numerous granule and slightly larger argillite and subwacke clasts in the base half and scattered pyrrhotite throughout. Lower one is mostly argillite with fine wisps of slightly pyrrhotitic subwacke.       Initial scattered pyrrhotite throughout.         1718.0 - 1764.0       thin bedded with quite a few medium beds; dark grey lamintes alternate with medium grey beds predominantly argillite with bases that grade from subwacke or wacke. Most of these bases and the few wacke/subwacke wispy layers in the argillite have disseminated pyrrhotite and in more weathered looking layers pyrite (often with minor calcite). Pyrhotite is up to 50x across 1 Ca. One quartz arenite sendstone dike cuts bedding near 90° @ 1771 - 1772'.         1764.0 - 1789.0'       Argillite and subwacke and wacke, one or two graded intervals within which a faint lamination throughout is accentuated by disseminated
Property       Sullivan       District       Western       Hole No.       DDH6464         Commenced       Location       Tests at       Hor. Comp.         Completed       Core Size       Corr. Dip       Vert. Comp.         Co-ordinates       True Brg.       Logged by         Objective       % Recov.       Date       E         Proctage       Description       Analysis         From       To       Second and an analysis       Analysis         From       To       Description       Analysis         I 1593.0 - 1789.0       1712.0 - 1718.0       two thick beds separated by 2.5' of thin beds. Both thick beds are disaggregated, most likely resedimented. Upper one is approaching quartz wacke composition and has numerous granule and slightly larger argillite and subwacke classis in the basel half and scattered pyrrhotite throughout. Lower one is mostly argillite with fine wisps of slightly pyrhotitic subwacke.       Internet with mostly argillite with fine wisps of slightly pyrhotitic subwacke.         1718.0 - 1764.0       thin bedded with quite a few medium beds; dark grey leminites after and in per beds predominantly argillite with bases that grade from subwacke or wacke. Most of these bases and the few wacke/subwacke wispy layers in the argillite have disseminated pyrrhotite is up to 50% across 1 CB. One quartz arenite sendstone dike cuts bedding near 90° § 1771 - 1772'.         1764.0 - 1789.0'       Argillite and subwacke and wacke, one or two graded intervals within which a
Property       Sullivan       District       Western       Hole No.       DDH6464         Commenced       Location       Tests at       Hor. Comp.         Completed       Corr. Dip       Vert. Comp.         Co-ordinates       True Brg.       Logged by         Objective       % Recov.       Date       E         Solgs       Description       Analysis         Footage       Description       Analysis         Tom       To       Supprove the second
Property       Sullivan       District       Western       Hole No.       DDH6464         Commenced       Location       Tests at       Hor. Comp.         Completed       Core Size       Corn. Dip       Vert. Comp.         Co-ordinates       True Brg.       Logged by         Objective       % Recov.       Date       State         Progence       % Recov.       Date       State       State         1593.0 - 1789.0       1712.0 - 1718.0       two thick beds separated by 2.5' of thin beds. Both thick is an subwacke clasts' in the basel half end scattered pyrrhotite troughout.       Dower one is approaching quartz wacke composition and has numerous granule and slightly larger argilite       State         1593.0 - 1784.0       the and graph
Property       Sullivan       District       Western       Hole No.       DDH6454         Commenced       Location       Tests at       Hor. Comp.         Completed       Core Size       Corr. Dip       Vert. Comp.         Co-ordinates       True Brg.       Logged by         Objective       % Recov.       Date       E         Footage       Description       Analysis         Toom To       Issign - 1789.0       1712.0 - 1718.0       two thick beds separated by 2.5' of thin beds. Both thick         Logged by       Makeysis       Makeysis       Makeysis         Toom To       Date       Toom To       Analysis         Toom To       Date       Toom To       Analysis         Toom To       Description       Makeysis       Analysis         Toom To       Description and has numerous granule and slightly larger argillite       Analysis         Toom To       Description and has numerous granule and slightly pyrrhotitic subwacke.       District work coaposition and has numerous granule and slightly pyrrhotite subwacke.         1718.0       Total and subwacke or wacke.       Total and subwacke or wacke.       Total and subwacke with grade argillite with bases that grade from subwacke or wacke.       Total and subwacke and wacke, one or two graded intervals within which a faint lamination throughout is
Property       Sullivan       District       Western       Hole No.       DDH6464         Commenced       Location       Tests at       Hor. Comp.         Campleted       Corr. Dip       Vert. Comp.         Co-ordinates       True Brg.       Logged by         Objective       % Recov.       Date       E         control       10       Vert. Comp.       Analysis         control       1712.0 - 1718.0       two thick beds separated by 2.5' of thin beds. Both thick beds are disaggregated, nost likely resediamende.       Upper one is approaching guartz wacke composition and has numerous granule and slightly larger argillite and subwacke clasts in the basel half and scattered pyrrhotite throughout.       Lower one is mostly argillite with fine wips of slightly pyrrhotitic subwacks.         1718.0       1768.0       Trade or wacks. Most of these bases end the fire weaches/bubacke wispy layers in the argillite. Nave disseminated pyrrhotite and in more weathered looking layers pyrite (often with ainor calcite). Pyrrhotite is up to 50% arcross 1 cs. One quartz arents esnabtened dike cuts bedding neer 90° @ 1771 - 1772'.         1784.0       -1789.0'       Argilite and subwacke and wacke, one or two graded intervals with claewage pyrrhotite is up to 50% arcross 1 cs. One quartz arents sandstone dike cuts bedding neer 90° @ 1771 - 1772'.         1784.0       -1789.0'       Argilite and subwacke and wacke, one or two graded intervals with claewage pyrrhotite and in sore weathered pyrrhotite clustered and sosetiase slon
Property       Sullivan       District       Western       Hole No.       DDH6464         Commenced       Location       Tests at       Hor. Comp.         Completed       Core Size       Corn. Dip       Vert. Comp.         Completed       Core Size       Corn. Dip       Vert. Comp.         Objective       Yes       Logged by       Analysis         Objective       Yes       Recov.       Date       E         Control       Bescription       Analysis       Analysis         Tom       To       District       West thick beds separated by 2.5' of thin beds. Both thick beds are disaggregated, not likely resedimented. Upper one is approaching quartz wacke composition and has numerous granule and slightly larger argillite and abwacke clasts in the basel half and scattered pyrrhotite throughout. Lower one is apstly argillite with fine wises of slightly pyrrhotitic subwacke.       Intellite have disseminated pyrrhotite is up to Sox arrows it cs. One quartz arents sendatone dike cuts bedding ner yoo 2 1771 - 1772'.         1764.0       1789.0'       Argillite and subwacke and wacke, one or two graded intervals with one or size or size or sox are cores i cs. One quartz arenite sendatone dike cuts bedding ner yoo 2 1771 - 1772'.         1764.0       1789.0'       Argillite and subwacke and wacke, one or two graded intervals with with or faint lamination throughout is accentuated by disseminted pyrrhotite clustered and sonstines elongated grains of which are sligned partice is the of d
Property       Sullivan       District       Western       Hole No.       DDH6464         Commenced       Location       Tests at       Hot. Comp.         Completed       Corr. Dip       Vent. Comp.         Co-ordnales       True Brg.       Logged by         Objective       % Recov.       Date       E         Processory       Description       Kecov.       Date       E       G         Cont/d.)       beds are disaggregated, sost likely resedimented.       Upper one is approaching quartz wacks composition and has numerous granule and slightly larger argillite and subwacks clasts in the basel half and scattered pyrrhotite throughout.       Lower one is socity argillite with fine wisp of slightly pyrhotitic subwacks.         1718.0       1724.0       thin bedded with quite a few sedius beds, dark grey laminites alternate with sedium grey beds predominantly argillite with bases that grade from subwacks or wacks. Nost of these bases and the few wack/subwacks wispy layers in the argillite have dissemanted pyrrhotite and in sore weathered looking layers in the argillite have dissemanted pyrrhotite and in sore weathered looking layers in the argillite and southes elonget grains of which are aligned pyrrhotite through out is accentuated by dissemineted pyrrhotite claverse pyrrhotite in bedsas with dia cust bedding near 90° 0 1771 - 1772'.         1784.0       1789.0'       Argillite and southese selected or which are aligned pyrrhotite claverse pyrrhotite in bedsas.       Pyrhotice clayerse ore wacks.       Pyrhotice and in sore w
Property       Sullivan       District       Western       Hole No.       DDH6464         Commenced       Location       Tests at       Hor. Comp.         Completed       Corr. Dip       Vert. Comp.         Co-ordnates       True Brg.       Logged by         Objective       % Recov.       Date       E         Toolage       Description       Mode No.       Date       E       E         Toolage       Description       Mode No.       Date       E <the< th="">       E       E</the<>
Sullivan       District       Western       Hole No.       DDH6464         Commenced       Location       Tests at       Hot. Comp.         Completed       Corr. Dip       Vent. Comp.         Coordinates       True Brg.       Logged by         Objective       % Recov.       Date       E         Property       Description       Kecov.       Date       E       E         Toolage       Description       Mole No.       Diff of the back are disaggregated, sost likely resedimented.       Upper one is approaching quartz wacks composition and has numerous grounle and slightly larger argillite and subwacks clasts in the basel half and scattered pyrrhotite throughout.       Description         1593.0 - 1789.0       1712.0 - 1718.0       two thick beds separated by 2.5' of thin beds. Both thick and subwacks clasts in the basel half and scattered pyrrhotite throughout.       Description         100011       Lower one is socity argillite with fine wisp of slightly preprint and the regulation.       Description         1718.0 - 1789.0       1712.0 - 1764.0       thin bedded with quite a few sedius beds, fark group lamintes       Internate with sedium groy beds predoxinantly argillite with bases that grade from subwacks or wacks. Nost of these bases and the few wack/subwacke with grade from subwacks or wacks. Nost of these bases due beds or store so by 2.5' of elido'; 50° elido;

Property Sull:	van <b>District</b> Wester	nn Hole No. DDH6464					
Commenced	Location	Tests at	Hor. Comp.		[	1	
Completed	Core Size	Corr. Dip	Vert. Comp.				
Co-ordinates		True Brg.	Logged by			ā	
Objective	· · · · · · · · · · · · · · · · · · ·	% Recov.	Date	Claim	Brg.	Collar	
			· · · · · · · · · · · · · · · · · · ·	- Ö Analı	►.	8	
ootage D rom To	escription				1		7
1789.0 - 1917.	5 some intervals are amalga	mated beds; bed contacts var	y but most are distinct and		<u> </u>		
(Cont'd.)	• •	ular; most beds are 95% or i start contain pale grey argil		_	ļ	1_	
		nlets near top and bottom of		·•			_
		interval 1865.0 - 1889.0'. Br					
• .		einlets below 1900.0'. Bedd , 60° @ 1830', 55° @ 1866',			L	1	_
		t 13 <sup>0</sup> average in opposite sens	e to bedding, 530 @ 1885',				
	40° and 45° @ 1900′.						
1917.5 - 2116.		m and coarse grained with a			L		
		at 40 <sup>0</sup> to core; basal conta artz veins up to 10 cm wide, so			[		
	chlorite and rarely pyrrho	tite and most are brecciated a	nd healed.			1_	1
2116.0 - 2211.	0 Wacke, subwacke and argill	ite with several beds of quar	tz wacke to 2135.0; medium		<u> </u>		
·	and dark grey; medium and	thin bedded with some thick be	eds to 2135.0; bed contacts		ļ		
		common however some units of show no internal variations					
	rip up clasts of argillite	<ul> <li>Pyrrhotite is sometimes pre-</li> </ul>	sent disseminated in portions				
		rticular at the base and in s me beds contains greater that					
	alteration due to intrusion	on noted to 2135.0'. Bedding	g to core 73 <sup>0</sup> @ 2119′, 52 <sup>0</sup>			$\square$	
		cleavage pyrrhotite at 27° in ( 58° @ 2210' with cleavage, py					
	sense to bedding.		••				
2211.0 - 2308.	0 Wacke and quartz wacke (ra:	rely quartz arenite) alternate	s with intervals of subwacke				
	and argillite with some wa	acke; medium grey; the former	is thick and medium bedded,				
	latter is medium and thin to wavy; a few beds have	bedded; bed contacts are sha			1	1	
		, diditing atobs dud some abb	ear disaddiedacad, bropanty		1	1.	
Drill Hole Re	· · · · · · · · · · · · · · · · · · ·	yrrhotite is almost absent, cl					
	cord	yrrhotite is almost absent, cl	eavage chlorites are common.				
	cord	yrrhotite is almost absent, cl	eavage chlorites are common.				
roperty Sulli	cord van District West	yrrhotite is almost absent, cl ern Hole No. DDH6464	eavage chlorites are common.				
roperty Sulli commenced	Cord van District West Location	yrrhotite is almost absent, cl ern Hole No. DDH6464 Tests at	Bavage chlorites are common.			Dip	
roperty Sulli Commenced Completed	Cord van District West Location	yrrhotite is almost absent, cl ern Hole No. DDH6464 Tests at Corr. Dip	Bavage chlorites are common. Common Page 9 Hor. Comp. Vert. Comp.		Brg.	ollar Dip	
Property Sulli Commenced Completed Co-ordinates	Cord van District West Location Core Size	yrrhotite is almost absent, cl ern Hole No. DDH6464 Tests at Corr. Dip True Brg.	eavage chlorites are common. Common Page 9 Hor. Comp. Vert. Comp. Logged by		T Brg.	Collar Dip	
Property Sulli Commenced Completed Co-ordinates	Cord van District West Location	yrrhotite is almost absent, cl ern Hole No. DDH6464 Tests at Corr. Dip True Brg.	eavage chlorites are common. Common Page 9 Hor. Comp. Vert. Comp. Logged by	Lange Care Care Care Care Care Care Care Car	T Brg.	Collar Dip	
Commenced Completed Co-ordinates Dejective Colage Deform To	Cord van District West Location Core Size	yrrhotite is almost absent, clo ern Hole No. DDH6464 Tests at Corr. Dip True Brg. % Recov.	eavage chlorites are common. Common Page 9 Hor. Comp. Vert. Comp. Logged by Date	Analy	T Brg.	Collar Dip	
roperty Sulli Commenced Completed Co-ordinates Objective	cord van District West Location Core Size scription The medium and thin bedded 2280-2285', 2300-2304'. 15	yrrhotite is almost absent, cla ern Hole No. DDH6464 Tests at Corr. Dlp True Brg. % Recov. subwacke intervals are: 2234-2 5 cm gouge zone, mostly clay wi	Hor. Comp. Vert. Comp. Logged by Date 2240', 2255-2263', 2268-2273' thh about 10% small fragments	Analy	T Brg.	Collar Dip	
Comperty Sulli Commenced Completed Co-ordinates Dejective Destage De Com To De 2211.0 - 2308.0	Cord Van District West Location Core Size scription The medium and thin bedded 2280-2285', 2300-2304'. 15 <0.5 cm. Bedding to core 5 sense to beds, 50° @ 2280	ern Hole No. DDH6464 Tests at Corr. Dlp True Brg. % Recov. 55° @ 2237' with cleavage of o' with cleavage chlorites at	Hor. Comp. Vert. Comp. Logged by Date 2240', 2255-2263', 2268-2273' th about 10% small fragments chlorites at 20° opposite t 11° in opposite sense to	Analy	T Brg.	Collar Dip	
Comperty Sulli Commenced Completed Co-ordinates Dejective Destage De Com To De 2211.0 - 2308.0	Cord Van District West Location Core Size scription The medium and thin bedded 2280-2285', 2300-2304'. 15 <0.5 cm. Bedding to core 5 sense to beds, 50° @ 2280	yrrhotite is almost absent, cla ern Hole No. DDH6464 Tests at Corr. Dlp True Brg. % Recov. subwacke intervals are: 2234-2 5 cm gouge zone, mostly clay wi	Hor. Comp. Vert. Comp. Logged by Date 2240', 2255-2263', 2268-2273' th about 10% small fragments chlorites at 20° opposite t 11° in opposite sense to	Analy	T Brg.	Collar Dip	
Comperty Sulli Commenced Completed Co-ordinates Dejective Destage De Com To De 2211.0 - 2308.0	Cord Van District West Location Core Size Discription D The medium and thin bedded 2280-2285', 2300-2304'. 15 <0.5 cm. Bedding to core 5 sense to beds, 50° @ 2280 beds, 55° with cleavage chil D Subwacke and argillite (or	yrrhotite is almost absent, cla ern Hole No. DDH6464 Tests at Corr. Dip True Brg. % Recov. Subwacke intervals are: 2234-2 5 cm gouge zone, mostly clay wi 55° @ 2237' with cleavage c 0' with cleavage chlorites at lorites in opposite sense at 15 ne medium bed of quartz wack	Hor. Comp. Vert. Comp. Logged by Date 2240', 2255-2263', 2268-2273' ith about 10% small fragments chlorites at 20° opposite this are to 50°. (re); medium grey with dark	Analy	T Brg.	Collar Dip	
roperty Sulli commenced completed co-ordinates objective com To 2211.0 - 2308.0 (Cont'd.)	Cord Van District West Location Core Size Secription D The medium and thin bedded 2280-2285', 2300-2304'. 15 <0.5 cm. Bedding to core 5 sense to beds, 50° @ 2280 beds, 55° with cleavage chi D Subwacke and argillite (or grey intervals from 2309-23	ern Hole No. DDH6464 Tests at Corr. Dip True Brg. % Recov. Subwacke intervals are: 2234-2 5 cm gouge zone, mostly clay with 55° @ 2237' with cleavage chlorites at lorites in opposite sense at 15 ne medium bed of quartz wack 314' and 2318-2320'; medium to	Hor. Comp. Vert. Comp. Logged by Date 2240', 2255-2263', 2268-2273' ith about 10% small fragments chlorites at 20° opposite t 11° in opposite sense to 5°. (e); medium grey with dark thin bedded and laminated,	Analy	T Brg.	Collar Dip	
roperty Sulli commenced completed co-ordinates objective com To 2211.0 - 2308.0 (Cont'd.)	Cord Van District West Location Core Size Discription D The medium and thin bedded 2280-2285', 2300-2304'. 15 <0.5 cm. Bedding to core 5 sense to beds, 50° @ 2280 beds, 55° with cleavage chil D Subwacke and argillite (or grey intervals from 2309-25 bed contacts and lamination upper dark zone, good cleav	ern Hole No. DDH6464 Tests at Corr. Dip True Brg. % Recov. Subwacke intervals are: 2234-2 5 cm gouge zone, mostly clay wi 55° @ 2237' with cleavage co 0' with cleavage chlorites at lorites in opposite sense at 15 ne medium bed of quartz wack 314' and 2318-2320'; medium to ns are sharp and flat, faint ca vage chlorites in lighter grey	Hor. Comp. Vert. Comp. Logged by Date 2240', 2255-2263', 2268-2273' ith about 10% small fragments chlorites at 20° opposite to 11° in opposite sense to 50. (ce); medium grey with dark thin bedded and laminated, alcite laths and rhombs in argillites and some dissem-	Analy	T Brg.	Collar Dip	
roperty Sulli commenced completed co-ordinates objective com To 2211.0 - 2308.0 (Cont'd.)	cord <u>Location</u> <u>Location</u> <u>Core Size</u> <u>Scription</u> The medium and thin bedded 2280-2285', 2300-2304'. 15 (0.5 cm. Bedding to core 5 sense to beds, 50° @ 2280 beds, 55° with cleavage chi beds, 55° with cleavage chi bo Subwacke and argillite (or grey intervals from 2309-25 bed contacts and lamination upper dark zone, good cleave in ated pyrrhotite in siltie in medium and thin beds 2	ern Hole No. DDH6464 Tests at Corr. Dip True Brg. % Recov. 550 @ 2237' with cleavage of 0' with cleavage chlorites at lorites in opposite sense at 15 ne medium bed of quartz wack 314' and 2318-2320'; medium to ns are sharp and flat, faint ca vage chlorites in lighter grey er parts of beds. Pyrrhotite H	eavage chlorites are common. Forming Page 9 Hor. Comp. Vert. Comp. Logged by Date 2240', 2255-2263', 2268-2273' ith about 10% small fragments chlorites at 20° opposite t 11° in opposite sense to 50. (ce); medium grey with dark thin bedded and laminated, alcite laths and rhombs in argillites and some dissem- olebs and coarse disseminatio 51° with cleavage chlorites	Analy	T Brg.	Collar Dip	
roperty Sulli commenced completed co-ordinates objective com To 2211.0 - 2308.0 (Cont'd.)	cord <u>Location</u> <u>Location</u> <u>Core Size</u> <u>Scription</u> The medium and thin bedded 2280-2285', 2300-2304'. 15 (0.5 cm. Bedding to core 5 sense to beds, 50° @ 2280 beds, 55° with cleavage chi beds, 55° with cleavage chi bo Subwacke and argillite (or grey intervals from 2309-25 bed contacts and lamination upper dark zone, good cleave in ated pyrrhotite in siltie in medium and thin beds 2	ern Hole No. DDH6464 Tests at Corr. Dip True Brg. % Recov. Subwacke intervals are: 2234-2 5 cm gouge zone, mostly clay wi 55° @ 2237' with cleavage co 0' with cleavage chlorites at lorites in opposite sense at 15 ne medium bed of quartz wack 314' and 2318-2320'; medium to ns are sharp and flat, faint ca vage chlorites in lighter grey	eavage chlorites are common. Forming Page 9 Hor. Comp. Vert. Comp. Logged by Date 2240', 2255-2263', 2268-2273' ith about 10% small fragments chlorites at 20° opposite t 11° in opposite sense to 50. (ce); medium grey with dark thin bedded and laminated, alcite laths and rhombs in argillites and some dissem- olebs and coarse disseminatio 51° with cleavage chlorites	Analy	T Brg.	Collar Dip	
roperty Sulli commenced completed co-ordinates bbjective com To 2211.0 - 2308.0 (Cont'd.) 2308.0 - 2325.0	Cord           Van         District         West           Location         Core Size           Scription         Core Size           0         The medium and thin bedded           2280-2285', 2300-2304'. 15         Sense to beds, 50° @ 2286           beds, 55° with cleavage child         Subwacke and argillite (or grey intervals from 2309-23           bed contacts and lamination         upper dark zone, good cleaving the dark zone	ern Hole No. DDH6464 Tests at Corr. Dlp True Brg. % Recov. Subwacke intervals are: 2234-2 % Recov. Subwacke intervals are: 2234-2 % Recov. Signature of the sense at 12 ne medium bed of quartz wack 314' and 2318-2320'; medium to ne are sharp and flat, faint cov vage chlorites in lighter grey er parts of beds. Pyrrhotite H 2321-2325'. Bedding to core 5 with cleavage chlorites 19° op hick beds above 2338') wacke ar	eavage chlorites are common. Forming Page 9 Hor. Comp. Vert. Comp. Logged by Date 2240', 2255-2263', 2268-2273' th about 10% small fragments chlorites at 20° opposite thorites at 20° opposite to poposite sense to 50. (e); medium grey with dark thin bedded and laminated, alcite laths and rhombs in argillites and some dissem- olebs and coarse disseminatio 51° with cleavage chlorites poposite at 2321'. ad subwacke, minor argillite;	Analy	T Brg.	Collar Dip	
roperty Sulli commenced completed co-ordinates bbjective com To 2211.0 - 2308.0 (Cont'd.) 2308.0 - 2325.0	Cord           Van         District         West           Location         Location           Core Size         Core Size   Scription           District         West           0         The medium and thin bedded           2280-2285', 2300-2304'.         15           <0.5 cm.	ern Hole No. DDH6464 Tests at Corr. Dip True Brg. % Recov. Subwacke intervals are: 2234-2 5 cm gouge zone, mostly clay wi 55° @ 2237' with cleavage co 0' with cleavage chlorites at lorites in opposite sense at 15 ne medium bed of quartz wack 314' and 2318-2320'; medium to ns are sharp and flat, faint co vage chlorites in lighter grey er parts of beds. Pyrrhotite H 2321-2325'. Bedding to core 5 with cleavage chlorites 19° op hick beds above 2338') wacke ar dium (rarely thin) bedded; bed	eavage chlorites are common. Figure Page 9 Hor. Comp. Vert. Comp. Logged by Date 2240', 2255-2263', 2268-2273' ith about 10% small fragments chlorites at 20° opposite t 11° in opposite sense to 50. (e); medium grey with dark thin bedded and laminated, alcite laths and rhombs in argillites and some dissem- olebs and coarse disseminatio 51° with cleavage chlorites opposite at 2321'.	Analy	T Brg.	Collar Dip	
roperty Sulli commenced completed co-ordinates bbjective com To 2211.0 - 2308.0 (Cont'd.) 2308.0 - 2325.0	Cord           van         District         West           Location         Core Size           Scription         Core Size           0         The medium and thin bedded           2280-2285', 2300-2304'.         15           <0.5 cm. Bedding to core 5	ern Hole No. DDH6464 Tests at Corr. Dip True Brg. % Recov. Subwacke intervals are: 2234-2 5 cm gouge zone, mostly clay wi 55° @ 2237' with cleavage cl o' with cleavage chlorites at lorites in opposite sense at 15 ne medium bed of quartz wach 314' and 2318-2320'; medium to ns are sharp and flat, faint co vage chlorites in lighter grey er parts of beds. Pyrrhotite 1 2321-2325'. Bedding to core 5 with cleavage chlorites 19° op hick beds above 2338') wacke ar dium (rarely thin) bedded; bed wary); some bases of beds are	eavage chlorites are common. Forming Page 9 Hor. Comp. Vert. Comp. Logged by Date 2240', 2255-2263', 2268-2273' th about 10% small fragments chlorites at 20° opposite chlorites at 20° opposite chlor	Analy	T Brg.	Collar Dip	
roperty Sulli ommenced ompleted o-ordinates bjective ctage De om To De 2211.0 - 2308.0 (Cont'd.)	Cord Van District West Location Core Size Secreption D The medium and thin bedded 2280-2285', 2300-2304'. 15 <0.5 cm. Bedding to core 5 sense to beds, 50° @ 2286 beds, 55° with cleavage child D Subwacke and argillite (or grey intervals from 2309-23 bed contacts and lamination upper dark zone, good cleav inated pyrrhotite in siltie in medium and thin beds 2 20° opposite at 2309', 53° D Guartz wacke (as part of th medium grey; thick and mediand flat (rarely slightly video and in siltier bases of the second	ern Hole No. DDH6464 Tests at Corr. Dip True Brg. % Recov. Subwacke intervals are: 2234-2 5 cm gouge zone, mostly clay wi 55° @ 2237' with cleavage co 0' with cleavage chlorites at lorites in opposite sense at 15 ne medium bed of quartz wack 314' and 2318-2320'; medium to ns are sharp and flat, faint co vage chlorites in lighter grey er parts of beds. Pyrrhotite H 2321-2325'. Bedding to core 5 with cleavage chlorites 19° op hick beds above 2338') wacke ar dium (rarely thin) bedded; bed	eavage chlorites are common. Forming Page 9 Hor. Comp. Vert. Comp. Logged by Date 2240', 2255-2263', 2268-2273' th about 10% small fragments chlorites at 20° opposite chlorites at 20° opposite chlor	Analy	T Brg.	Collar Dip	
roperty Sulli commenced completed co-ordinates objective com To 2211.0 - 2308.0 (Cont'd.)	Cord Van District West Location Core Size Discription D The medium and thin bedded 2280-2285', 2300-2304'. 15 <0.5 cm. Bedding to core 5 sense to beds, 50° @ 2280 beds, 55° with cleavage child D Subwacke and argillite (or grey intervals from 2309-23 bed contacts and lamination upper dark zone, good cleav inated pyrrhotite in siltie in medium and thin beds 2 20° opposite at 2309', 53° D Guartz wacke (as part of th medium grey; thick and med and flat (rarely slightly v are graded. Pyrrhotite 5 beds and in siltier bases of 18° opposite at 2339'.	ern Hole No. DDH6464 Tests at Corr. Dlp True Brg. % Recov. Subwacke intervals are: 2234-2 5 cm gouge zone, mostly clay wi 55° @ 2237' with cleavage c 0' with cleavage chlorites at lorites in opposite sense at 15 ne medium bed of quartz wack 314' and 2318-2320'; medium to ns are sharp and flat, faint ca vage chlorites in lighter grey er parts of beds. Pyrrhotite h 2321-2325'. Bedding to core 5 with cleavage chlorites 19° of hick beds above 2338') wacke ar dium (rarely thin) bedded; bed wavy); some baces of beds are is usually disseminated through of other beds. Bedding to core	eavage chlorites are common. Formation Page 9 Hor. Comp. Vert. Comp. Logged by Date 2240', 2255-2263', 2268-2273' ith about 10% small fragments chlorites at 20° opposite that about 10% small fragments chlorites at 20° opposite to 11° in opposite sense to 50. Ke); medium grey with dark thin bedded and laminated, alcite laths and rhombs in argillites and some dissem- blebs and coarse disseminatio 51° with cleavage chlorites opposite at 2321'. ad subwacke, minor argillite; contacts sharp to distinct a fine grained, most beds hout the thick quartz wacke a 54° with cleavage chlorites	Analy	T Brg.	Collar Dip	
roperty Sulli commenced completed co-ordinates bbjective com To 2211.0 - 2308.0 (Cont'd.) 2308.0 - 2325.0	<pre>cord van District West: Location Core Size  scription  The medium and thin bedded 2280-2285', 2300-2304'. 15 &lt;0.5 cm. Bedding to core 5 sense to beds, 50° @ 2286 beds, 55° with cleavage chi Subwacke and argillite (or grey intervals from 2309-23 bed contacts and laminatior upper dark zone, good cleav inated pyrrhotite in siltite in medium and thin beds 2 20° opposite at 2309', 53° Guartz wacke (as part of th medium grey; thick and medi and flat (rarely slightly v are graded. Pyrrhotite beds and in siltier bases of 18° opposite at 2339'.</pre>	ern Hole No. DDH6464 Tests at Corr. Dip True Brg. % Recov. Subwacke intervals are: 2234-2 5 cm gouge zone, mostly clay wi 55° @ 2237' with cleavage c 0' with cleavage chlorites at lorites in opposite sense at 15 ne medium bed of quartz wack 314' and 2318-2320'; medium to ns are sharp and flat, faint cc vage chlorites in lighter grey er parts of beds. Pyrrhotite 1 2321-2325'. Bedding to core 5 with cleavage chlorites 19° of hick beds above 2338') wacke ar dium (rarely thin) bedded; bed wary); some bases of beds are is usually disseminated through of other beds. Bedding to core illite, calcareous; medium an	eavage chlorites are common. France Page 9 Hor. Comp. Vert. Comp. Logged by Date 2240', 2255-2263', 2268-2273' ith about 10% small fragments chlorites at 20° opposite thin bedded and laminated, shlorites at 20° opposite thin bedded and laminated, sold ite laths and rhombs in argillites and some dissem- blebs and coarse disseminatio 50° (Ne); medium grey with dark thin bedded and laminated, sold ite laths and rhombs in argillites and some dissem- blebs and coarse disseminatio 50° with cleavage chlorites posite at 2321'. Ind subwacke, minor argillite; contacts sharp to distinct a fine grained, most beds bout the thick quartz wacke a 54° with cleavage chlorites and dark grey; thin (more in	Analy	T Brg.	Collar Dip	
roperty         Sulli           commenced         completed           co-ordinates         co-ordinates           objective         co-ordinates           conage         Defective           conage         Conage           conage         Defective           conage         Conage           conage         Conage           conage         Conage           conage         Conage           conage         Conage	Cord           Van         District         West           Location         Location           Core Size         Core Size   Secription           District         West           0         The medium and thin bedded           2280-2285', 2300-2304'.         15           <0.5 cm.	ern Hole No. DDH6464 Tests at Corr. Dlp True Brg. % Recov. Subwacke intervals are: 2234-2 % Recov. Som gouge zone, mostly clay with 55° @ 2237' with cleavage co 0' with cleavage chlorites at lorites in opposite sense at 15 ne medium bed of quartz wack 314' and 2318-2320'; medium to ns are sharp and flat, faint co vage chlorites in lighter grey er parts of beds. Pyrrhotite 1 2321-2325'. Bedding to core 5 with cleavage chlorites 19° op hick beds above 2338') wacke ar dium (rarely thin) bedded; bed way); some bases of beds arc is usually disseminated through of other beds. Bedding to core illite, calcareous; medium and d medium bedded; bed contacts pyrrhotite disseminated in the	eavage chlorites are common. From Page 9 Hor. Comp. Vert. Comp. Logged by Date 2240', 2255-2263', 2268-2273' ith about 10% small fragments chlorites at 20° opposite t 11° in opposite sense to 50°. (e); medium grey with dark thin bedded and laminated, alcite laths and rhombs in argillites and some dissem- obes and coarse disseminatio 51° with cleavage chlorites opposite at 2321'. Ind subwacke, minor argillite; contacts sharp to distinct a fine grained, most beds bout the thick quartz wacke a 54° with cleavage chlorites bad dark grey; thin (more in are sharp and flat; beds a wacke portions, particularl	Analy	T Brg.		
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roperty         Sulli           ommenced         ompleted           o-ordinates         bjective           bjective         Definition           conditionates         Definition           collage         Definition           coll	Cord           Van         District         West           Location         Core Size           Scription         Core Size           District         Core Size   Service in the service of the servi	yrrhotite is almost absent, cla ern Hole No. DDH6464 Tests at Corr. Dlp True Brg. % Recov. Subwacke intervals are: 2234-2 5 cm gouge zone, mostly clay wi 55° @ 2237' with cleavage clorites at lorites in opposite sense at 15 ne medium bed of quartz wach 314' and 2318-2320'; medium to ns are sharp and flat, faint cc vage chlorites in lighter grey er parts of beds. Pyrrhotite 1 2321-2325'. Bedding to core 5 with cleavage chlorites 19° op hick beds above 2338') wacke ar dium (rarely thin) bedded; bed way); some bases of beds are is usually disseminated through of other beds. Bedding to core illite, calcarecus; medium an d medium bedded; bed contacts pyrrhotite disseminated in the laminites 1 to 10 cm thick al, both graded beds and lamini	Hor. Comp. Hor. Comp. Vert. Comp. Logged by Date 2240', 2255-2263', 2268-2273' ith about 10% small fragments chlorites at 20° opposite t 10° in opposite sense to 50°. (e); medium grey with dark thin bedded and laminated, alcite laths and rhombs in argillites and some dissem- blebs and coarse disseminatio 51° with cleavage chlorites opposite at 2321'. Ind subwacke, minor argillite; contacts sharp to distinct a fine grained, most beds bout the thick quartz wacke 54° with cleavage chlorites bout the thick quartz wacke 54° with cleavage chlorites bout the thick quartz wacke s 54° with cleavage chlorites bout the thick quartz wacke a fine grained, most beds bout the thick quartz wacke a fine grained, most beds bout the thick quartz wacke a fine grained, most beds bout the thick quartz wacke a fine grained flat; beds a wacke portions, particularl alternate with the graded ites, is weakly to moderately	Алаly	T Brg.		
roperty         Sulli           ommenced         ompleted           o-ordinates         bjective           otage         Defense           otage         Defense           Scont'd.>         2308.0           2308.0         2325.0           2325.0         2351.0	Cord           Van         District         West           Location         Core Size           Scription         Core Size   Intervals from 2309-2304'. 15 (0.5 cm. Bedding to core 5 sense to beds, 50° @ 2280' beds, 55° with cleavage chills Subwacke and argillite (or grey intervals from 2309-23 bed contacts and lamination upper dark zone, good cleavinated pyrrhotite in siltie in medium and thin beds 20° opposite at 2309', 53° Quartz wacke (as part of the medium grey; thick and medium grey; thick and mediand flat (rare1y slightly victor graded. Pyrrhotite 18° opposite at 2339'. Wacke, subwacke and arg: upper half of interval and arg: upper half of interval are are graded, typically with near the bases; dark grey beds. About 70% of interval calcareous. From 2420-2433' bets 2422-2423'). Lithic	ern Hole No. DDH6464 Tests at Corr. Dlp True Brg. % Recov. Subwacke intervals are: 2234-2 5 cm gouge zone, mostly clay wi 55° @ 2237' with cleavage c 0' with cleavage chlorites at lorites in opposite sense at 15 ne medium bed of quartz wach 314' and 2318-2320'; medium to ns are sharp and flat, faint cc vage chlorites in lighter grey er parts of beds. Pyrrhotite H 2321-2325'. Bedding to core 5 with cleavage chlorites 19° op hick beds above 2338') wacke ar dium (rarely thin) bedded; bed wavy); some bases of beds are is usually disseminated through of other beds. Bedding to core illite, calcareous; medium and d medium bedded; bed contacts pyrrhotite disseminated in the laminites 1 to 10 cm thick al, both graded beds and lamini 5' limy wacke bases (50%) are	eavage chlorites are common. Hor. Comp. Vert. Comp. Logged by Date 2240', 2255-2263', 2268-2273' ith about 10% small fragments chlorites at 20° opposite t 11° in opposite sense to 50. (e); medium grey with dark thin bedded and laminated, alcite laths and rhombs in argillites and some dissem- bebs and coarse disseminatio 51° with cleavage chlorites opposite at 2321'. Ind subwacke, minor argillite; contacts sharp to distinct a fine grained, most beds hout the thick quartz wacke 54° with cleavage chlorites bout the thick quartz wacke 54° with cleavage chlorites are sharp and flat; beds a wacke portions, particularl alternate with the graded ites, is weakly to moderately a cross laminated (several K 2 cm from 2403.5 - 2404	Алаly	T Brg.		
operty         Sulli           ommenced         ompleted           operdinates         bjective           bijective         Definition           clage         Definition	<pre>cord van District Westing Location Core Size  scription  The medium and thin bedded 2280-2285', 2300-2304', 15 (0.5 cm. Bedding to core 5 sense to beds, 50° @ 2286 beds, 55° with cleavage childed Subwacke and argillite (or grey intervals from 2309-23 bed contacts and lamination Upper dark zone, good cleav inated pyrrhotite in siltie in medium and thin beds 2 20° opposite at 2309', 53° Uuartz wacke (as part of th medium grey; thick and medium and flat (rarely slightly v are graded. Pyrhotite beds and in siltier bases 18° opposite at 2339'.  Wacke, subwacke and arg: upper half of interval) and are graded, typically with near the bases; dark grey beds. About 70% of interval sets 2422-2423'). Lithic with wavy bed contacts app</pre>	yrrhotite is almost absent, cla ern Hole No. DDH6464 Tests at Corr. Dlp True Brg. % Recov. Subwacke intervals are: 2234-2 5 cm gouge zone, mostly clay wi 55° @ 2237' with cleavage clorites at lorites in opposite sense at 15 ne medium bed of quartz wach 314' and 2318-2320'; medium to ns are sharp and flat, faint cc vage chlorites in lighter grey er parts of beds. Pyrrhotite 1 2321-2325'. Bedding to core 5 with cleavage chlorites 19° op hick beds above 2338') wacke ar dium (rarely thin) bedded; bed way); some bases of beds are is usually disseminated through of other beds. Bedding to core illite, calcarecus; medium an d medium bedded; bed contacts pyrrhotite disseminated in the laminites 1 to 10 cm thick al, both graded beds and lamini	eavage chlorites are common. Figure Page 9 Hor. Comp. Vert. Comp. Logged by Date 2240', 2255-2263', 2268-2273' ith about 10% small fragments chlorites at 20° opposite c 11° in opposite sense to 50. (e); medium grey with dark thin bedded and laminated, alcite laths and rhombs in argillites and some dissem- blebs and coarse disseminatio 51° with cleavage chlorites pposite at 2321'. Ind subwacke, minor argillite; contacts sharp to distinct a fine grained, most beds hout the thick quartz wacke 54° with cleavage chlorites hout the thick quartz wacke 54° with cleavage chlorites hout the thick quartz wacke 54° with cleavage chlorites wacke portions, particularl alternate with the graded ites, is weakly to moderately e cross laminated (several K 2 cm from 2403.5 - 2404 ng to core/with pyrhotite	Алаly	T Brg.		

Property	Sullivan	District Western	Hole No. DDH6464	<b>V Q</b>				1
Commenced	54111100	Location	Tests at	Hor. Comp.				
Completed		Core Size	Corr. Dip	Vert. Comp.				
Co-ordinates			True Brg.	Logged by			đ	
Objective			% Recov.	Date	E	pi		
001000					Claim	T Brg.	Collar	
Footage From To	Descript	ion			Ana	lysis		_
	ł					1	+	_
2435.0- 25		Wacke, quartz wacke, subwacke bedded wacke and quartz wa				+	+-	
		subwacke and argillite from:				+	-	
		medium grey, bed contacts am been disturbed, most beds are				+	+-	-
		(2474', 2513'). From 2500-	-2502' is top portion of	a thick graded bed that is		+	+-	-
		disaggregated argillite and sub- but only weakly disseminate			· [	+	+	-
		chlorites noted in argillite t	tops. A 4 Cm quartz vei	in at 2468' contains some		+	+-	
1		coarse pyrrhotite and chlorit 490/300 @ 2454', 520/240 W 248			<u> </u>	+	+	-
2520.0 - 2	3543 0	Vacko, subwacko and argillite,	celescourt redius and d	lark grows this and modium		+		
2520.0 - 2		bedded; bed contacts are a				$\mathbf{T}$	$\top$	
1		thinner dark grey laminites.	About 50% of interval is c	calcareous, the most calcareous		+	1	-
		are light grey laminated b probably dissolution stylolite				1	1-	-
		uniform medium grey matrix a	and wavy or discontinuous	white calcite. This latter	-	+	+	-
		texture appears to be tectonic grade to bodding parallel calc		and member of textures that tings, sometimes with slicken-		1-	+	-
1		sides, and small gouge zones,	, were noted parallel to	bedding. Short limy cross		1	+	
1		bedded zones are present but has a convoluted upper portion	• • •	medium bed, noted at 2535' (). (ite) however the argillite		+	1	-
1		top is flat. Pyrrhotite, ty	ypically accentuating clea	wage, is noted in most bed		+	+	
		pases, including those that a to core: 51º/22º @ 2521', 49º		in opposite sense to bedding, 82'.		+		
						+-	+	
2583.0 - 2		Quartz wacke, wacke, subwacke medium grey; medium bedded wit				+	+	
1		2595'; bed contacts sharp to o			1	1	+	
			······	st wavy of iffegular (no				
Drill Hole				Cominco Page 11				
	Record	District Hestern		<b>~~</b>				
Property S		District Western Location		<b>~~</b>				
Property S Commenced	Record	Location	Hole No. DDH6464	Cominco Page 11				
Property S Commenced Completed	Record		Hole No. DDH6464 Tests at	Gominco Page 11 Hor. Comp.				
Property S Commenced Completed Co-ordinates	Record	Location	Hole No. DDH6464 Tests at Corr. Dip	Hor. Comp. Vert. Comp.		3rg.	llar Dip	
Property S Commenced Completed	Record	Location	Hole No. DDH6464 Tests at Corr. Dip True Brg.	Hor. Comp. Veri. Comp. Logged by		T Brg.	Collar Dip	
Property S Commenced Completed Co-ordinates Objective Footage	Record	Location Core Size	Hole No. DDH6464 Tests at Corr. Dip True Brg.	Hor. Comp. Veri. Comp. Logged by		T Brg.	Collar Dip	
Property S Commenced Completed Co-ordinates Objective Footage From To	Record	Location Core Size	Hole No. DDH6464 Tests at Corr. Dip True Brg. % Recov.	Hor. Comp. Veri. Comp. Logged by Date		T Brg.	Collar Dip	
Property S Commenced Completed Co-ordinates Objective Footage	Record	Location Core Size on lark laminites is main distinc finor pyrrhotite disseminated	Hole No. DDH6464 Tests at Corr. Dip True Brg. % Recov. tion between upper 10' of in the quartz wacke. I	Hor. Comp. Vert. Comp. Logged by Date this interval and preceeding). nterval is not dalcareous.		T Brg.	Collar Dip	
Property S Commenced Completed Co-ordinates Objective Footage From To 2583.0 - 2	Record	Location Core Size	Hole No. DDH6464 Tests at Corr. Dip True Brg. % Recov. tion between upper 10' of in the quartz wacke. I	Hor. Comp. Vert. Comp. Logged by Date this interval and preceeding). nterval is not dalcareous.		T Brg.	Collar Dip	
Property S Commenced Completed Co-ordinates Objective Footage From To 2583.0 - 2	Pescripti	Location Core Size	Hole No. DDH6464 Tests at Corr. Dip True Brg. % Recov. Secon. Corr. Dip True Brg. % Recov. Secon. Corr. Dip True Brg. % Recov. Secon. S	Hor. Comp. Vert. Comp. Logged by Date this interval and preceeding). nterval is not dalcareous. 460/320 @ 2598'. y; thin to thick bedded;	Analy	T Brg.	Collar Dip	
Property S Commenced Completed Co-ordinates Objective Footage From To 2583.0 - 2 (Cont'd.)	Record	Location Core Size Dan Mark laminites is main distinc inor pyrrhotite disseminated bodding/cleavage, in opposite Wacke, subwacke, and argillite reak narrow dark laminites dev	Hole No. DDH6464 Tests at Corr. Dip True Brg. % Recov. ction between upper 10' of d in the quartz wacke. I sense to bedding, to core: a. (not limy); medium gre yeloped; bed contacts sharp	Hor. Comp. Vert. Comp. Logged by Date this interval and preceeding). nterval is not dalcareous. 46°/32° @ 2598'. y; thin to thick bedded; and flat (two are convoluted).	Analy	T Brg.	Collar Dip	
Property S Commenced Completed Co-ordinates Objective Footage From To 2583.0 - 2 (Cont'd.)	Record	Location Core Size	Hole No. DDH6464 Tests at Corr. Dip True Brg. % Recov. ction between upper 10' of d in the quartz wacke. I sense to bedding, to core: s. (not limy); medium gre veloped; bed contacts sharp imy, noted; beds graded, o	Hor. Comp. Vert. Comp. Logged by Date this interval and preceeding). nterval is not dalcareous. 46°/32° @ 2598'. y; thin to thick bedded; and flat (two are convoluted).	Analy	T Brg.	Collar Dip	
Property S Commenced Completed Co-ordinates Objective From To 2583.0 - 2 (Cont'd.) 2600.0 - 2	Record	Location Core Size Dan Mark laminites is main disting linor pyrrhotite disseminated Sodding/cleavage, in opposite Vacke, subwacke, and argillite Yeak narrow dark laminites dev we sets of cross beds, one li argillite rip-ups and is proba	Hole No. DDH6464 Tests at Corr. Dip True Brg. % Recov. tion between upper 10' of d in the quartz wacke. I sense to bedding, to core: a. (not limy); medium gre veloped; bed contacts sharp may, noted; beds graded, o ably resedimented.	Hor. Comp. Vert. Comp. Logged by Date this interval and preceeding). nterval is not dalcareous. 46°/32° @ 2598'. y; thin to thick bedded; and flat (two are convoluted), me thick bed contains fine	Analy	T Brg.	Collar Dip	
Property S Commenced Completed Co-ordinates Objective Footage From To 2583.0 - 2 (Cont'd.)	Record	Location Core Size Core Size Mark laminites is main distinct finor pyrrhotite disseminated Sodding/cleavage, in opposite Vacke, subwacke, and argillite reak narrow dark laminites dew wo sets of cross beds, one li argillite rip-ups and is proba	Hole No. DDH6464 Tests at Corr. Dip True Brg. % Recov. Sense to bedding, to core: a, (not limy); medium gre reloped; bed contacts sharp iny, noted; beds graded, o ably resedimented. hite (more of a guess from arey: thick bedded; pyrr	Hor. Comp. Vert. Comp. Vert. Comp. Logged by Date this interval and preceeding). nterval is not dalcareous. 460/320 @ 2598'. y; thin to thick bedded; and flat (two are convoluted), ne thick bed contains fine m 2623.0 - 2635.0 as core hotite noted in graded bed	Analy	T Brg.	Collar Dip	
Property S Commenced Completed Co-ordinates Objective From To 2583.0 - 2 (Cont'd.) 2600.0 - 2	Record	Location Core Size Core Size Dark laminites is main distinct dinor pyrrhotite disseminated bodding/cleavage, in opposite Wacke, subwacke, and argillite weak narrow dark laminites dev woo sets of cross beds, one li argillite rip-ups and is proba buartz wacke and quartz arem is soaked in diesel); light	Hole No. DDH6464 Tests at Corr. Dip True Brg. % Recov. tion between upper 10' of d in the quartz wacke. I sense to bedding, to core: a, (not limy); medium greveloped; bed contacts sharp my, noted; beds graded, o ably resedimented. hite (more of a guess from grey; thick bedded; pyrr vein less than 10 cm wide	Hor. Comp. Vert. Comp. Vert. Comp. Logged by Date this interval and preceeding). nterval is not dalcareous. 460/320 @ 2598'. y; thin to thick bedded; and flat (two are convoluted), ine thick bed contains fine m 2623.0 - 2635.0 as core hotite noted in graded bed cuts core at 12°. Bedding/	Analy	T Brg.	Collar Dip	
Property S Commenced Completed Co-ordinates Objective From To 2583.0 - 2 (Cont'd.) 2600.0 - 2 2612.0 - 2	Record	Location Core Size Core Size Mark laminites is main distinc linor pyrrhotite disseminated bodding/cleavage, in opposite weak narrow dark laminites dev weak narrow dark laminites dev weak narrow dark laminites dev wo sets of cross beds, one li argillite rip-ups and is proba huartz wacke and quartz area is soaked in diesel); light pases below 2628'. Quartz v cleavage, in opposite sense to	Hole No. DDH6464 Tests at Corr. Dip True Brg. % Recov. Ction between upper 10' of d in the quartz wacke. I sense to bedding, to core: a. (not limy); medium gre reloped; bed contacts sharp imy, noted; beds graded, o ably resedimented. hite (more of a guess from grey; thick bedded; pyrr vein less than 10 cm wide b bedding, to core 420/350	Hor. Comp. Vert. Comp. Logged by Date this interval and preceeding). nterval is not dalcareous. 460/320 @ 2598'. by: thin to thick bedded; and flat (two are convoluted), one thick bed contains fine m 2623.0 - 2635.0 as core hotite noted in graded bed cuts core at 12°. Bedding/ @ 2630'.	Analy	T Brg.	Collar Dip	
Property S Commenced Completed Co-ordinates Objective From To 2583.0 - 2 (Cont'd.) 2600.0 - 2	Record	Location Core Size Core Size Mark laminites is main distinc finor pyrrhotite disseminated Sodding/cleavage, in opposite Wacke, subwacke, and argillite weak narrow dark laminites dew weak narrow dark laminites dew weak narrow dark laminites dew weak subwacke, and argillite bases below 2628'. Quartz we cleavage, in opposite sense to Wacke, subwacke and argillite	Hole No. DDH6464 Tests at Corr. Dip True Brg. % Recov. Ction between upper 10' of d in the quartz wacke. I sense to bedding, to core: s. (not limy); medium gre veloped; bed contacts sharp imy, noted; beds graded, o ably resedimented. hite (more of a guess from grey; thick bedded; pyrr vein less than 10 cm wide b bedding, to core 420/350 with narrow limy units,	Hor. Comp. Vert. Comp. Vert. Comp. Logged by Date this interval and preceeding). nterval is not dalcareous. 460/320 @ 2598'. y; thin to thick bedded; and flat (two are convoluted), me thick bed contains fine m 2623.0 - 2635.0 as core thotite noted in graded bed cuts core at 12°. Bedding/ @ 2630'. medium grey; medium, 60me	Analy	T Brg.	Collar Dip	
Property S Commenced Completed Co-ordinates Objective From To 2583.0 - 2 (Cont'd.) 2600.0 - 2 2612.0 - 2	Record	Location Core Size Core Size Mark laminites is main distinc linor pyrrhotite disseminated bodding/cleavage, in opposite weak narrow dark laminites dev wo sets of cross beds, one li argillite rip-ups and is probe buartz wacke and quartz aren is soaked in diesel); light bases below 2628'. Quartz v cleavage, in opposite sense to backe, subwacke and argillite thin bedded; bed contacts ar onvoluted indicating minor r	Hole No. DDH6464 Tests at Corr. Dip True Brg. % Recov. Ction between upper 10' of d in the quartz wacks. I sense to bedding, to core: a, (not limy); medium gre veloped; bed contacts sharp imy, noted; beds graded, o ably resedimented. hite (more of a guess from grey; thick bedded; pyrr vein less than 10 cm wide bedding, to core 420/350 with narrow limy units, resedimentation, a few n	Hor. Comp. Vert. Comp. Vert. Comp. Logged by Date this interval and preceeding). nterval is not dalcareous. 46°/32° @ 2598'. Thin to thick bedded; and flat (two are convoluted), one thick bed contains fine m 2623.0 - 2635.0 as core hotite noted in graded bed cuts core at 12°. Bedding/ @ 2630'. medium grey; medium, some arrow dork grey laminites	Analy	T Brg.	Collar Dip	
Property S Commenced Completed Co-ordinates Objective From To 2583.0 - 2 (Cont'd.) 2600.0 - 2 2612.0 - 2	Record	Location Core Size Core Size Mark laminites is main distinct linor pyrrhotite disseminated bodding/cleavage, in opposite Wacke, subwacke, and argillite weak narrow dark laminites dev wo sets of cross beds, one li argillite rip-ups and is probe huartz wacke and quartz aren is soaked in diesel); light bases below 2628'. Quartz w cleavage, in opposite sense to Vacke, subwacke and argillite thin bedded; bed contacts ar convoluted indicating minor r	Hole No. DDH6464 Tests at Corr. Dip True Brg. % Recov. Corr. Dip True Brg. % Recov. Corr. Dip True Brg. % Recov. Corr. Dip (a correct of the second correct of the second of the second (not limy); medium gree reloped; bed contacts sharp imy, noted; beds graded, or second correct of the second of the second (not limy); medium gree reloped; bed contacts sharp imy, noted; beds graded, or second second of the second of the second (not limy); medium gree reloped; bed contacts sharp imy, noted; beds graded, or sharp end flat; peds a resedimentation, a few n broken core at 2538' narro	Hor. Comp. Vert. Comp. Vert. Comp. Logged by Date this interval and preceeding). nterval is not dalcareous. 460/320 @ 2598'. This is to thick bedded; and flat (two are convoluted). This is the trian	Analy	T Brg.	Collar Dip	
Property S Commenced Completed Co-ordinates Objective From To 2583.0 - 2 (Cont'd.) 2600.0 - 2 2612.0 - 2	Record	Location Core Size Core Size Mark laminites is main distinc linor pyrrhotite disseminated bodding/cleavage, in opposite weak narrow dark laminites dev wo sets of cross beds, one li argillite rip-ups and is probe buartz wacke and quartz aren is soaked in diesel); light bases below 2628'. Quartz v cleavage, in opposite sense to backe, subwacke and argillite thin bedded; bed contacts ar onvoluted indicating minor r	Hole No. DDH6464 Tests at Corr. Dip True Brg. % Recov. Corr. Dip True Brg. % Recov. Corr. Dip True Brg. % Recov. Corr. Dip (a correct of the second correct of the second of the second (not limy); medium gree reloped; bed contacts sharp imy, noted; beds graded, or second correct of the second of the second (not limy); medium gree reloped; bed contacts sharp imy, noted; beds graded, or second second of the second of the second (not limy); medium gree reloped; bed contacts sharp imy, noted; beds graded, or sharp end flat; peds a resedimentation, a few n broken core at 2538' narro	Hor. Comp. Vert. Comp. Vert. Comp. Logged by Date this interval and preceeding). nterval is not dalcareous. 460/320 @ 2598'. This is to thick bedded; and flat (two are convoluted). This is the trian	Analy	T Brg.	Collar Dip	
Property         S           Commenced         Completed           Coordinates         Objective           Footage         From           Footage         Footage           2583.0         - 2           (Cont'd.)         2600.0           2612.0         - 2           2635.0         - 2	Record	Location Core Size Core Size Data Core Size	Hole No. DDH6464 Tests at Corr. Dip True Brg. % Recov. Ction between upper 10' of d in the quartz wacks. I sense to bedding, to core: a, (not limy); medium gre veloped; bed contacts sharp imy, noted; beds graded, o ably resedimented. hite (more of a guess from grey; thick bedded; pyrr vein less than 10 cm wide bedding, to core 420/350 with narrow limy units, resedimentation, a few n broken core at 2538' narro g/cleavage, in opposite s	Hor. Comp. Vert. Comp. Vert. Comp. Logged by Date this interval and preceeding). nterval is not dalcareous. 46°/32° @ 2598'. Thin to thick bedded; and flat (two are convoluted). This interval and preceeding). 46°/32° @ 2598'. This is to thick bedded; and flat (two are convoluted). The thick bed contains fine m 2623.0 - 2635.0 as core thotite noted in graded bed cuts core at 12°. Bedding/ @ 2630'. medium grey; medium, some arrow dork grey laminites the gouge zones, some parallel tense to bedding, to core	Analy	T Brg.	Collar Dip	
Property S Commenced Completed Co-ordinates Objective From To 2583.0 - 2 (Cont'd.) 2600.0 - 2 2612.0 - 2	Record	Location Core Size Core Size Core Size Constant of the second	Hole No. DDH6464 Tests at Corr. Dip True Brg. % Recov. Sense to bedding, to core: a, (not limy); medium gre weloped; bed contacts sharp imy, noted; beds graded, o ably resedimented. hite (more of a guess from grey; thick bedded; pyrr wein less than 10 cm wide b bedding, to core 420/350 with narrow limy units, re sharp and flat; beds a resedimentation. a few n broken core at 2538' narro g/cleavage, in opposite a wacke; light grey; bedding Ed, some are contorted, p	Hor. Comp. Vert. Comp. Vert. Comp. Logged by Date this interval and preceeding). nterval is not dalcareous. 460/320 @ 2598'. y; thin to thick bedded; and flat (two are convoluted), me thick bed contains fine m 2623.0 - 2635.0 as core hotite noted in graded bed cuts core at 12°. Bedding/ @ 2630'. medium grey; medium, some arrow dark grey laminites by gouge zones, some parallel tense to bedding, to core to not always clear but some pyrhotite is present often	Analy	T Brg.	Collar Dip	
Property         S           Commenced         Completed           Coordinates         Objective           Footage         From           Footage         Footage           2583.0         - 2           (Cont'd.)         2600.0           2612.0         - 2           2635.0         - 2	Record	Location Core Size Core Size Data Core Size Core Si	Hole No. DDH6464 Tests at Corr. Dip True Brg. % Recov. Sense to bedding, to core: a, (not limy); medium gre weloped; bed contacts sharp imy, noted; beds graded, o ably resedimented. hite (more of a guess from grey; thick bedded; pyrr wein less than 10 cm wide b bedding, to core 420/350 with narrow limy units, re sharp and flat; beds a resedimentation. a few n broken core at 2538' narro g/cleavage, in opposite a wacke; light grey; bedding Ed, some are contorted, p	Hor. Comp. Vert. Comp. Vert. Comp. Logged by Date this interval and preceeding). nterval is not dalcareous. 460/320 @ 2598'. y; thin to thick bedded; and flat (two are convoluted), me thick bed contains fine m 2623.0 - 2635.0 as core hotite noted in graded bed cuts core at 12°. Bedding/ @ 2630'. medium grey; medium, some arrow dark grey laminites by gouge zones, some parallel tense to bedding, to core to not always clear but some pyrhotite is present often	Analy	T Brg.	Collar Dip	
Property         S           Commenced         Completed           Coordinates         Objective           Footage         From           Footage         Footage           2583.0         - 2           (Cont'd.)         2600.0           2612.0         - 2           2635.0         - 2	Record	Location Core Size Core Size Core Size Constant of the second	Hole No. DDH6464 Tests at Corr. Dip True Brg. % Recov. Sense to bedding, to core: sense to bedding, to core: sense to bedding, to core: set (not limy); medium gre weloped; bed contacts sharp iny, noted; beds graded, o ably resedimented. hite (more of a guess from grey; thick bedded; pyrr wein less than 10 cm wide b bedding, to core 420/350 with narrow limy units, re sharp and flat; beds a resedimentation. a few n broken core at 2538' narro g/cleavage, in opposite a wacke; light grey; bedding bd, some are contorted, p md in some of the contorted with numerous beds of guar	Hor. Comp. Vert. Comp. Vert. Comp. Logged by Date this interval and preceeding). nterval is not dalcareous. 460/320 @ 2598'. y; thin to thick bedded; and flat (two are convoluted), me thick bed contains fine m 2623.0 - 2635.0 as core hotite noted in graded bed cuts core at 12°. Bedding/ @ 2630'. medium grey; medium, some re graded, tops of some are arrow dark grey laminites w gouge zones, some parallel lense to bedding, to core to not always clear but some pyrhotite is present often l subwacke.	Analy	T Brg.	Collar Dip	
Property         S           Commenced         Completed           Co-ordinates         Objective           Foolage         Foolage           70         70           2583.0         - 2           (Cont'd.)         2600.0           2612.0         - 2           2635.0         - 2           2635.0         - 2	Record	Location Core Size Core Size Da Mark laminitos is main distinc linor pyrrhotite disseminated adding/cleavage, in opposite Dacke, subwacke, and argillite reak narrow dark laminites dev wo sets of cross beds, one li argillite rip-ups and is proba buartz wacke and quartz aren is soaked in diesel); light bases below 2628'. Quartz v cleavage, in opposite sense to backe, subwacke and argillite thin bedded; bed contacts ar convoluted indicating minor r are present. 10 cm gouge and to bedding, at 2653'. Bedding 480/12° @ 2652'. Argillite with wisps of subw thin and very thin beds note concentrated in laminations ar Wacke, subwacke and argillite wacke, subwacke and argillite	Hole No. DDH6464 Tests at Corr. Dip True Brg. % Recov. Sense to bedding, to core: a. (not limy); medium gre veloped; bed contacts sharp may, noted; beds graded, o ably resedimented. hite (more of a guess from grey; thick bedded; pyrr vein less than 10 cm wide b bedding, to core 420/350 with narrow limy units, re sharp and flat; beds a resedimentation, a few n broken core at 2538' narro g/cleavage, in opposite s wacke; light grey; bedding ad, some are contorted, p d in some of the contorted with numerous beds of quar ly thin bedded with few me	Hor. Comp. Vert. Comp. Vert. Comp. Logged by Date this interval and preceeding). nterval is not dalcareous. 460/320 @ 2598'. y; thin to thick bedded; and flat (two are convoluted). me thick bed contains fine m 2623.0 - 2635.0 as core hotite noted in graded bed cuts core at 12°. Bedding/ @ 2630'. medium grey; medium, some ire graded, tops of some are arrow dark grey laminites w gouge zones, some parallel tense to bedding, to core not always clear but some pyrrhotite is present often subwacke.	Analy	T Brg.	Collar Dip	
Property         S           Commenced         Completed           Co-ordinates         Objective           Foolage         Foolage           70         70           2583.0         - 2           (Cont'd.)         2600.0           2612.0         - 2           2635.0         - 2           2635.0         - 2	Record	Location Core Size Core Size Core Size Constant of the second	Hole No. DDH6464 Tests at Corr. Dip True Brg. % Recov. Corr. Dip True Brg. % Recov. Cont limy); medium gre weloped; bed contacts sharp imy, noted; beds graded, o ably resedimented. Thite (more of a guess from grey; thick bedded; pyrr win less than 10 cm wide bedding, to core 420/350 with narrow limy units, re sharp and flat; beds a resedimentation, a few n broken core at 2538' narro g/cleavage, in opposite s wacke; light grey; bedding add, some are contorted, p nd in some of the contorted with numerous beds of quar ly thin bedded with few mo flat; typically graded bed he graded beda often have	Hor. Comp. Vert. Comp. Logged by Date this interval and preceeding). nterval is not dalcareous. 460/320 @ 2598'. by: thin to thick bedded; and flat (two are convoluted). me thick bed contains fine 2623.0 - 2635.0 as core hotite noted in graded bed cuts core at 12°. Bedding/ @ 2630'. medium grey; medium, some arrow dark grey laminites w gouge zones, some parallel tense to bedding, to core not always clear but some hyrrhotite is present often I subwacke. tz wacke, often calcareous; dium and rare thick beds; ls alternate with relatively limy bases some of which	Analy	T Brg.	Collar Dip	

Property	Sullivan	District West	tern Hole No. DDH6464	▼ ▼					
Commenced	· · · · · · · · · · · · · · · · · · ·	Location	Tests at	Hor. Comp.					
Completed		Core Size	Corr. Dip	Vert. Comp.			1		
Co-ordinates			True Brg.	Logged by				đ	
Objective			% Recov.	Date		Claim	Brg.	Collar Dip	
Foolage	Descri	ption				0 Anal	⊢	8	
From To	2802.0	•	cored over 15 cm at 2722'.	Bedding/cleavage in o					
(Cont'd.		sense to bedding, to co	e 2775', 49°/29° @ 2673', 53°/23						_
3803.0 -	2819.0		arenite and altered (silicif)	(ed) codiments mediu		_	<b> </b>		
	201770		beds from 2812 - 2815'. Bic				-		
2819.0 -	2880.0	Gabbro, upper contact is	about 50° to core, lower conta	nct is not distinct (	appears				
		to be gradational and :	incorporates some sedimentary	material from 2878 - 2	2880').		<b> </b>	<u> </u>	
		grained to 2829. Most	hibole phenocrysts to 5 mm lo of interval is medium to coar nlets. Fine grained lower port	rse grained with a few			┢	-	
2000 0 -	2914.0		llite; light medium grey; me		ad, had				
	2717.0	contacts sharp and flat;	; beds are graded, bases of	some beds have one to	o three				
		noted in central portion	a couple of which are cross lam n of one bed. Most of this i	interval is bleached a	nd fine			1	_
		bictite is developed in t	the wackes, the biotite highlig ons (Bouma B?) of most beds.	ghts even parallel la	minated			-	
		55° @ 2900', 50° with sul	btle pyrrhotite cleavage of 28°				<del> </del>	+	
		at 2903', 48° @ 2914'.	·		F		╆	+	
2914.0 -	2926.5	and argillite; medium and	te and quartz wacke with mind d light grey; to coarse grai	ined; thick and medium	s, with		1		
[		about 20% thin, bedded; h	bed contacts are sharp and flat t have Bouma A bases. Some dis	t to irregular, one ero	osional;				_
		some slumped beds (based	d on low core angle). Beddin						
		@ 2921', 45° @ 2916', 50°	- W 2926.3 .				1_		
ļ		•	• .				1	1	
1					. T		1	1	
Drill Hol	e Recor	d		Cominco	Page 13				_
			rn Hole No. DDH6464	Cominco	Page 13				
Drill Hole		d District Wester Location	rn Hole No. DDH6464 Tests at	Cominco Hor. Comp.	Page 13				
Property S		District Wester		Hor. Comp. Vert. Comp.	Page 13			•	
Property S Commenced	ullivan	District Wester Location	Tests at	Hor. Comp. Vert. Comp. Logged by					
Property S Commenced Completed	ullivan	District Wester Location	Tests at Corr. Dip	Hor. Comp. Vert. Comp.			Brg.	Collar Dip	
Property S Commenced Completed Co-ordinates Objective Footage	ullivan	District Wester Location Core Size	Tests at Corr. Dip True Brg.	Hor. Comp. Vert. Comp. Logged by			T Brg.	Cottar Dip	
Property S Commenced Completed Co-ordinates Objective Footage From To	ullivan Descrip	District Wester Location Core Size	Tests at Corr. Dip True Brg. % Recov.	Hor. Comp. Vert. Comp. Logged by Date			T Brg.	Cottar Dip	
Property S Commenced Completed Co-ordinates Objective Footage	ullivan Descrip	District Wester Location Core Size Stion Wacke, subwacke and argil two medium beds separated	Tests at Corr. Dlp True Brg. % Recov. lite, more quartzitic portion of by thin bedded argillite and a	Hor. Comp. Vert. Comp. Logged by Date	reous; which		T Brg.	Cottar Dip	
Property S Commenced Completed Co-ordinates Objective Footage From To 2926.5 -	Ullivan Descrip 2933.0	District Wester Location Core Size Dion Wacke, subwacke and argil two medium beds separated are disaggregated. The to	Tests at Corr. Dlp True Brg. % Recov. lite, more quartzitic portion of by thin bedded argillite and a wo medium beds contain shredded	Hor. Comp. Vert. Comp. Logged by Date of lowest bed is calca subwacke, portions of d wisps and clasts of	reous; which argillite.		T Brg.	Cottar Dip	
Property S Commenced Completed Co-ordinates Objective Footage From To	Ullivan Descrip 2933.0	District Wester Location Core Size	Tests at Corr. Dlp True Brg. % Recov. lite, more quartzitic portion of by thin bedded argillite and a wo medium beds contain shredded ions weakly calcareous; mediu	Hor. Comp. Vert. Comp. Logged by Date of lowest bed is calca subwacke, portions of d wisps and clasts of um grey; to medium gr	reous; which argillite. ained;		T Brg.	Coltar Dip	
Property S Commenced Completed Co-ordinates Objective Footage From To 2926.5 -	Ullivan Descrip 2933.0	District Wester Location Core Size blion Wacke, subwacke and argil two medium beds separated are disaggregated. The to Guartz arenite with port thick bedded, 3 cm of gour	Tests at Corr. Dlp True Brg. % Recov. lite, more quartzitic portion of by thin bedded argillite and a wo medium beds contain shredded	Hor. Comp. Vert. Comp. Logged by Date of lowest bed is calca subwacke, portions of d wisps and clasts of um grey; to medium gr argillite, if so th	reous; which argillite. ained; en two		T Brg.	Cottar Dip	
Property S Commenced Completed Co-ordinates Objective Footage From To 2926.5 -	Ullivan Descrip 2933.0 2941.0	District Wester Location Core Size Dion Wacke, subwacke and argil two medium beds separated are disaggregated. The to Quartz arenite with port thick bedded, 3 cm of gour beds. Base is a quartz w Wacke, subwacke and argil	Tesis at Corr. Dlp True Brg. % Recov. lite, more quartzitic portion of by thin bedded argillite and a wo medium beds contain shredded ions weakly calcareous; medin ge at 2935.5' may be sheared acke (20 cm); this is essential lite, wacke proportion increase	Hor. Comp. Vert. Comp. Logged by Date Date Date Vert. Comp. Logged by Date d subwacke, portions of d wisps and clasts of um grey; to medium gr argillite, if so th 11y a Bouma A turbidit es with depth, with is	reous; which argillite. ained; en two e(s?). olated		T Brg.	Coltar Dip	
Property S Commenced Completed Co-ordinates Objective Footage From To 2926.5 - 2933.0 -	Ullivan Descrip 2933.0 2941.0	District Wester Location Core Size District Wester Core Size District Wester Size District Size Size Size Size Size Size Size Size	Tests at Corr. Dlp True Brg. % Recov. lite, more quartzitic portion of by thin bedded argillite and a wo medium beds contain shredded ions weakly calcareous; medin ge at 2935.5' may be sheared acke (20 cm); this is essentia lite, wacks proportion increase ined calcareous quartz arenit eds), 2950.5-2952.0' (single bo	Hor. Comp. Vert. Comp. Logged by Date Date of lowest bed is calca subwacke, portions of d wisps and clasts of um grey; to medium gr argillite, if so th lly a Bouma A turbidit te and quartz wacke ed), 2955.3-2956.5', 2	reous; which argillite. ained; en two e(s?). olated from: 959.5-		T Brg.	Cottar Dip	
Property S Commenced Completed Co-ordinates Objective Footage From To 2926.5 - 2933.0 -	Ullivan Descrip 2933.0 2941.0	District Wester Location Core Size Dion Wacke, subwacke and argil two medium beds separated are disaggregated. The to Guartz arenite with port thick bedded, 3 cm of gour beds. Base is a quartz w Wacke, subwacke and argil medium beds of medium gra 2948-2942' (two 15 cm bu 2964.0' (4 beds), 2972.0-	Tests at Corr. Dip True Brg. % Recov. lite, more quartzitic portion of by thin bedded argillite and a wo medium beds contain shredded ions weakly calcareous; medii ge at 2935.5' may be sheared acke (20 cm); this is essentia: lite, wacke proportion increase ined calcareous quartz arenif eds), 2950.5-2952.0' (single bi 2974.0' (two beds). Medium	Hor. Comp. Vert. Comp. Logged by Date of lowest bed is calca subwacke, portions of d wisps and clasts of um grey; to medium gr argillite, if so th 11y a Bouma A turbidit es with depth, with is te and quartz wacke ed), 2955.3-2956.5', 2 to dark grey, medi	reous; which argillite. ained; en two e(s?). olated from: 959.5- um and		T Brg.	Collar Dip	
Property S Commenced Completed Co-ordinates Objective Footage From To 2926.5 - 2933.0 -	Ullivan Descrip 2933.0 2941.0	District Wester Location Core Size District Mester Core Size District Mester Size District Mester Wacke, subwacke and argil two medium beds separated are disaggregated. The tr Guartz arenite with port thick bedded, 3 cm of gour beds. Base is a quartz w Wacke, subwacke and argil medium beds of medium gra 2948-2942' (two 15 cm bo 2964.0' (4 beds), 2972.0- thin bedded, bed contact both graded beds and dar	Tests at Corr. D[p True ßrg. % Recov. lite, more quartzitic portion of by thin bedded argillite and d wo medium beds contain shredded ions weakly calcareous; medin ge at 2935.5' may be sheared acke (20 cm); this is essential lite, wacke proportion increased ined calcareous quartz arenin eds), 2950.5-2952.0' (single be 2974.0' (two beds). Hedium s are sharp and from flat (f	Hor. Comp. Vert. Comp. Logged by Date	reous; which argillite. ained; en two e(s?). olated from: 959.5- um and gular, 971.5'		T Brg.	Cottar Dip	
Property S Commenced Completed Co-ordinates Objective Footage From To 2926.5 - 2933.0 -	Ullivan Descrip 2933.0 2941.0	District Wester Location Core Size Dion Wacke, subwacke and argil two medium beds separated are disaggregated. The to Guartz arenite with port thick bedded, 3 cm of gour beds. Base is a quartz w Wacke, subwacke and argil medium beds of medium gra 2948-2942' (two 15 cm bi 2964.0' (4 beds), 2972.0- thin bedded, bed contact both graded beds and dari are several sets of c in opposite sense to bedd	Tests at Corr. Dip True Brg. % Recov. lite, more quartzitic portion of by thin bedded argillite and is wo medium beds contain shredded ions weakly calcareous; medii ge at 2935.5' may be sheared acke (20 cm); this is essentia: lite, wacke proportion increase ined calcareous quartz arenif eds), 2950.5-2952.0' (single be 2974.0' (two beds). Medium s are sharp and from flat (is k grey laminites are present alcareous cross laminations. 1 ing: 54°/15° @ 2946', 52°/28	Hor. Comp. Vert. Comp. Logged by Date of lowest bed is calca subwacke, portions of d wisps and clasts of um grey; to medium gr argillite, if so th 11y a Bouma A turbidit es with depth, with is te and quartz wacke ed), 2955.3-2956.5', 2 to dark grey, medi most) to wavy and irre and from 2971.0 - 2 Bedding/pyrthotite cle @ 2966', 50°/36° @	reous; which argillite. ained; en two e(s?). olated from: 959.5- um and gular, 971.5' avage, 2976'.		T Brg.	Cottar Dip	
Property S Commenced Completed Co-ordinates Objective Footage From To 2926.5 - 2933.0 -	Ullivan Descrip 2933.0 2941.0	District Wester Location Core Size Dion Wacke, subwacke and argil two medium beds separated are disaggregated. The to Guartz arenite with port thick bedded, 3 cm of gour beds. Base is a quartz w Wacke, subwacke and argil medium beds of medium gra 2948-2942' (two 15 cm bi 2964.0' (4 beds), 2972.0- thin bedded, bed contact both graded beds and dari are several sets of c in opposite sense to bedd	Tests at Corr. Dlp True Brg. % Recov. lite, more quartzitic portion of by thin bedded argillite and a wo medium beds contain shredded ions weakly calcareous; medin ge at 2935.5' may be sheared acke (20 cm); this is essentia lite, wacke proportion increase ined calcareous quartz arenit eds), 2950.5-2952.0' (single bo 2974.0' (two beds). Medium s are sharp and from flat (i k grey laminites are present	Hor. Comp. Vert. Comp. Logged by Date of lowest bed is calca subwacke, portions of d wisps and clasts of um grey; to medium gr argillite, if so th 11y a Bouma A turbidit es with depth, with is te and quartz wacke ed), 2955.3-2956.5', 2 to dark grey, medi most) to wavy and irre and from 2971.0 - 2 Bedding/pyrthotite cle @ 2966', 50°/36° @	reous; which argillite. ained; en two e(s?). olated from: 959.5- um and gular, 971.5' avage, 2976'.		T Brg.	Collar Dip	
Property S Commenced Completed Co-ordinates Objective Footage From To 2926.5 - 2933.0 - 2941.0 -	Ullivan Descrip 2933.0 2941.0 2976.0	District Wester Location Core Size District Wester Core Size District Wester Core Size District Wester Size District Section Wacke, subwacke and argil two medium beds separated are disaggregated. The to Guartz arenite with port thick bedded, 3 cm of gouw beds. Base is a quartz w Wacke, subwacke and argil medium beds of medium gra 2948-2942' (two 15 cm b 2964.0' (4 beds), 2972.0- thin bedded, bed contact both graded beds and dat both graded beds and bed 0.5 to 1.0 cm of 50% pyr at 2970'.	Tests at Corr. Dip True Brg. % Recov. lite, more quartzitic portion of by thin bedded argillite and a wo medium beds contain shredded ions weakly calcareous; medin ge at 2935.5' may be sheared acke (20 cm); this is essential lite, wacke proportion increase ined calcareous quartz arenit eds), 2950.5-2952.0' (single bu 2974.0' (two beds). Medium s are sharp and from flat (i k grey laminites are present alcareous cross laminations. I ing: 54°/15° @ 2946', 52°/28 rhotite at base of thin quartz	Hor. Comp. Vert. Comp. Logged by Date	reous: which argillite. ained: en two e(s?). olated from: 959.5- um and gular. 971.5' avage, 2976'. inites		T Brg.		
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Property S Commenced Completed Co-ordinates Objective Footage From To 2926.5 - 2933.0 - 2941.0 -	Ullivan Descrip 2933.0 2941.0 2976.0 3028.0	District Wester Location Core Size District Wester Core Size District Wester Core Size District Wester Size District Wester Size Size Size Size Size Size Size Size	Tests at Corr. Dip True Brg. % Recov. lite, more quartzitic portion of by thin bedded argillite and a wo medium beds contain shredded ions weakly calcareous; medin ge at 2935.5' may be sheared acke (20 cm); this is essential lite, wacke proportion increase ined calcareous quartz arenit eds), 2950.5-2952.0' (single be 2974.0' (two beds). Medium s are sharp and from flat (i k grey laminites are present alcareous cross laminations. I ing: 54°/15° @ 2946', 52°/28 rhotite at base of thin quartz rtz wacke, wacke, subwacke a se grained; very thick bedded lite rip-up clasts and contor	Hor. Comp. Vert. Comp. Logged by Date	reous: which argillite. ained; en two e(s?). olated from: 959.5- um and gular, 971.5' avage, 2976'. inites grey; ntacts		T Brg.	Collar Dip	
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Property S Commenced Completed Co-ordinates Objective Footage From To 2926.5 - 2933.0 - 2941.0 -	Ullivan Descrip 2933.0 2941.0 2976.0 3028.0	District Wester Location Core Size District Mester Core Size District Mester Core Size District Mester Core Size District Mester Wacke, subwacke and argil medium beds of medium gra 2948-2942' (two 15 cm b) 2964.0' (4 beds), 2972.0- thin bedded, bed contact both graded beds and dar are several sets of c in opposite sense to bedd 0.5 to 1.0 cm of 50% pyr at 2970'. Guartz arenito, minor qua coarse, some very coar vague and irreguler, argi Wacke, subwacke and argil medium grey; bed conta arenite); beds graded, so	Tests at Corr. Dlp True Brg. % Recov. lite, more quartzitic portion of by thin bedded argillite and of wo medium beds contain shredded ions weakly calcareous; medin ge at 2935.5' may be sheared acke (20 cm); this is essential lite, wacke proportion increase ined calcareous quartz arenif eds), 2950.5-2952.0' (single bu 2974.0' (two beds). Medium s are sharp and from flat (f k grey laminites are present alcareous cross laminations. I ing: 54°/15° @ 2946', 52°/28 rhotite at base of thin quartz rtz wacke, wacke, subwacke se grained; very thick bedded lite; thin bedded; with two ti cts sharp and flat to wavy me thin laminites, 5 cm calca	Hor. Comp. Vert. Comp. Logged by Date	recus; which argillite. ained; en two e(s7). olated from: 959.5- um and gular. 971.5' avage, 2976'. inites grey; ntacts enite; quartz zone;		T Brg.	Cottar Dip	
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Instrument     Location     Test at     Hot. Comp.       add     Core Size     Core. Dip     Writ. Comp.       attern     Date     Date       a     Instrument     Date       a     Instrument     Date       b     Recore     Date       b     Recore     Date       c     Sold     Date       c     Date     Date       c     Da	Property Sulli	van District Western	Hole No. DDH6464	VV				
data         Cone Size         Cone Dig         Weth. Compo.           data         Two Brd.         Lossed by         Lossed by         Lossed by           a         Image: State Cone         Data         State Cone         Data         State Cone           a         Description         Annual         Annual         Annual         Annual         Annual           0 36% - O         Worker, subwarker, seripticate Cone         Description         Annual         Annual           0 36% - O         Worker, subwarker, seripticate Cone         Description         Annual           0 36% - O         Worker, subwarker, seripticate Cone         Description         Annual           a         Too State         Description         Cone         Description           assisting too State         Cone         Description         Description         Description           assisting too State         Cone         Description         Description         Description         Description           assisting too State         Cone         Description         Description         Description         Description         Description           assisting too State         Description         Description         Description         Description         Description	Commenced			Hor, Comp.				
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Description         Description         Description         Description           0 - 3096.0         Market subwacket, artilite and quarts wacket, coloratous to redum maximal mature data and arts grays than badded with less than 2004 of interval maduue badded bad cuucidly elternate with derk grays than badded with less than 2004 of interval maduue badded bad cuucidly elternate with derk grays that the less than 2004 of interval and the base and it also is present in the cleavage, calculate fractures back and the base and it also is present in the cleavage, calculate fractures grays that the set of dot, at 3004 (says to base and the base and it also is present in the cleavage, calculate fractures gray and the base and it also is present in the cleavage, calculate and the base and it also is present in the cleavage, calculate gray and the base and it also is present in the cleavage, calculate and the base and it also is present in the cleavage, calculate and the base and it also is present in the cleavage, calculate and and the base and it also is present in the cleavage, in opposite annex to badding: 300/20 # 3004 (3007 # 3004 (3007 # 3007 # 3007 * 3000 * 3007 * 0 * 3007 *	Objective		% Recov.	Date	E		ġ	Collar
Compare Control of the second se								8
<ul> <li>0 - 30%.0 vertex, availite and quartz wache, celcarous, to sedium arained; mating mating and dark gray than hodde with less than 200 of interval mature and in a function in to 10 or thick, th quarts wache bases are usually colorarous and intervals of the top of</li></ul>	ectage rom To	Description	•		<b>P</b>	nalys	sis	Т
end dark groy; thin bodded with less then 20% of interval sedue budded; bed consists and an analysis of the setue of the s		.0 Wacke, subwacke, argillite a	nd quartz wacke, calcareous;	to medium grained: m	edium			T
<pre>latinities 1 to 10 cs thick. the quertz weeke beses are usually calcareous and many contain dissignanted pyrebities. In the basis performs, pyrhotitis is often classing. Child of frectures below 3077. brownish speering of accessing interest bolow 3005. 'Districtle'. Massive batch for 10 cn. C2010 B 3001', 400100' B 3001', 40010' B 3000', 40010' B 3000</pre>		and dark grey; thin bedded w	ith less than 20% of interva	al medium bedded; bed c	ontacts			T
<pre>easy contain disseminated pyrchotits. In the basel particus, pyrchotits is often concentrated in 2 or 3 are wide some at the base and it also is present in the concentrated in 2 or 3 are wide some at the basel particus, pyrchotits is often concentrated in 2 or 3 are wide some at the basel particus, pyrchotits is often concentrated in 2 or 3 are wide some at the basel particus of 100, at 3064' (over 5 cm, 500/720 concentrated in the solution of the solution of 400, at 3064' (over 5 cm, 500/720 concentrated in the solution of a 300', approximation of 400, at 3064' (over 5 cm, 500/720 concentrated in the solution of a 300', 350/400 e 3004', 250/450 e 300', or 3002', or 3002',</pre>								1
<pre>clasues. Calcits fractures balow 3075, brownich espectance of sole bads moted balow 3065' bioitst: Assive bioitst for 30 or cub baddings 450, Bedding' to 3060', 420 to 130 on clasues parallel break of 400, et 3064' (over 5 cm, 500/220 8 3065.5', audien change at 3066', 007430' 8 3064', 350/400 (necessary to rotate core about 450', 8 3067', 220/430' 8 3062', 350' 8 3062', 00' 8 3062', 350' to rotate core about 450', 8 3067', 220'430' 8 3062', 350' 8 3062', 00' 8 3062', 350' to rotate core about 450', 8 3067', 220'430' 8 3062', 350' 8 3062', 00' 8 3062', 350' to rotate core about 450', 8 3067', 350'/350' 8 3062', 00' 8 3062', 350'/ to rotate core about 450', 8 3067', 220'430' 8 3062', 100' 8 3062', 350'/ to a soce bioits' considerable bioits' 1320 to 3120'. to a soce bioits' considerable bioits' 120'/ to 160'. 0 - 3165', 9 Werke, cubworke and argillite with calcereous zones, sedium and dark grey medium bedded with effort harder bid context see abarp and flat; any hedds are greaded and offon have a coleraroous lawinated base, dark grey lawinites up to 30 cm thick of 0 a 3122', 120'/40' 3162' core is a hattered with about intervals of breacts and or gouge. A faw calcite with subtential wacke below 3235'; scee bods fine greaned, sedium erry (dark when well with the warder dark grey; thick bedded with soce marine bods bio: 237'; bod context sharp to vary grey lawinited up to 11st beds are greeke and concentrated in a faw thin guerts werke beds. Bedding to core 350' 230', 250' 320', 220', 340' 323'; scee bods fine greaned, sedium erry (dark when well with the warder grey lawinited up to 11st beds are greeke and concentrated in a faw thin guerts werke beds. Bedding to core 350' 230', 250' 230', 250' 230', 250' 230', 750' 2</pre>		many contain disseminated py	rrhotite. In the basal por	tions, pyrrhotite is	often			T
below 2005" foictie). Measive biotite for 10 cr cuie bedding et 450. Bedding' classes. In Opponts Henne to Bodding' 200720 8 3006'. 400710 8 3004'. 500730 8 305.5'. euiden change at 3066'. (07430 8 306'. 207430 8 306'. 00 8 3021.) to rotate core about 400'. 8 306'. 227430 8 306'. 00 8 3021.) then several fold hings to 3084'. 3507400 8 3044.2. 3507450 8 3100'. 0 - 3122.0 Core about 400'. Story 20 8 310'. 0 - 3122.0 Core how 400'. 100/200 8 3044.2. 3507450 8 3060'. 00 8 3020.5 then several fold hings to 3084'. 3507400 8 3044.2. 3507450 8 3100'. 0 - 3122.0 Core has need an arguilite with calcereous zone. Medium and dark grey, medium bedded with e for thin beds bed contexts ere sharp and flat seny heds are greded and from how a colorrowice lawinsted being lamints up to 30 cr thick 10 - 3122.0'. 200 9 310'. 1507/200 8 315'. 1607/30 8 315'. 200 8 315''. 200 9 316''. Failt zone: 316''. 507400 9 312'. 400730 8 315''. 200 8 315''. 200 9 316''. Failt zone: 316''. 507400 9 312''. 4007400 8 315''. 200 8 315''. 200 9 316''. Failt zone: 316''. 507400 9 312''. 4007400 8 315''. 200 8 315''. 200 9 316''. Failt zone: 316''. 507400 9 312''. 4007400 8 315''. 200 8 315''. 200 9 316''. Failt zone: 316''. 507400 9 312''. 4007400 8 315''. 200 9 315''. 200 9 315''. 200 9 316''. Failt zone: 316''. 507400 9 312''. 4007400 9 3100''. Failt zone: 316''. 507400 9 312''. 1007400 9 3100''. Failt zone: 316''. 100/''. 5 - 3262.0 Core wide 310''. 100/''. 5 - 3262.0 Core wide 310''. 500 320''. 700 8 320''. 5 - 3220''. Core short and scene received and scene received zone: scene filter fa'. In stage to 0.5 cm wide and scene. 715 the 310 0'''. 5 - 3220'. Core short and scene. 715 the 310 0'''. 5 - 3220'. Core short and scene. 715 the 310 0'''. 6 - 3300'. Core 320 - 3243''. No claevese betweet seleve 3250''. 700 8 3250''. 5 - 3022.0 Core short and scene. 715 the 31								Ī
<ul> <li>B 3060', 42° to 13° on cleavage parallel break of 40°, at 3064' (over 5 cm.) 500/22°         <ul> <li>9 505.5', sudden change at 5066', 00740° 8 306', 230/40° sudden, 500', 200', 10° sudden, 500', 10° sudden, 500', 200', 10° sudden, 500', 200', 10° sudden, 500', 200', 10° sudden, 500', 10° sudden, 500',</li></ul></li></ul>		below 3085' (biotite). Mass	sive biotite for 10 cm cut	s bedding at 45°. Bed	ding/			
<ul> <li>9 2053.7. sudden change at 2066', 00-450 @ 3066', 220-420 @ 3062', 00 @ 30825, then suveral fold hinges to 3044', 350/400 @ 3064', 250/250 @ 3120'.</li> <li>0 - 3122.0. Eabbro, fine to sedue archied; chilled upper arcyin with approximate photocrysts and some backies; archive considerable backies 120 to 312' with chilled lower arcyin containing applicate phenocrysts. Backing applicate</li></ul>								
<ul> <li>then several fole hinges to 304/. 359/400 # 304.2, 359/4359 # 3120'.</li> <li>0 - 3122.0 Grbber, fine ito media explose childle unper to 312' with apphicule phonocrysts and the set considered bildlife b</li></ul>		@ 3065.5', sudden change at 3	3066', 0°/45° @ 3066' for	10 cm, 230/400 (nece	ssary			
0 - 3122.0       Gabbro, fine to secture graned; chilled upper eargin with apphibols phenocrysts and across bottley; considerable buckle 3120 to 3127 with chilled lover sargin contact is shorp at the short are shorp at the short at the shorp at the short are shorp at the short are shorp at the short are short at the short intervals of brechs and the short are short at the short intervals of the short at the short at the short intervals of the short at the short at the short intervals of the short at the short are short at the short intervals of the short at the sh				-	82.5,			
<pre>end some biotite: considerable biotite 3120 to 3122" with chilled liver marsin containing withbole phenocrysts. Upper contect 39, lower contect is entry at 460. 0 - 3165.5 Warke, subwarke and argillite with calcareous zones, medium and dark grey; medium bedded with a few thin beda; bed contects are sharp and flat; many beda are graded and ofton have a calcareous leaningtab beak, the start and the start are to bodding; 419 a 3122.0; 229 a 3120; 120 a 3120; 220 a 3120; 220 a 3120; 419 a 3122; 20; 23 a 3120; 200 a 320; 22 a 3120; 220 a 3120; 419 a 3122; 20; 23 a 3120; 200 a 320; 22 a 3120; 200; 320; 41 a a and argin argi</pre>								
<pre>containing applibule phenocrysts. Upper contact 43°, lower contact is sharp at 40°.</pre> 0 - 3189.5 Wacke, subwarke and arcillite with Calcoreous zones, sedius and dark gray; sedius and data with a few thin backs bac contacts are sharps and filts any bads are strated and afrom have a calcoreous jerineted bass, dark gray lasinites up to 20 es thick commenty superates the graded buds. Budding/clawsge, in opposite sense to 20 edding; 410 @ 3122.5', 220 @ 3150', 109/270 @ 3152', 109/270 @ 3152', 220 @ 3152', 209/350 @ 3166', 140/450 @ 317', 309/400 @ 3187', 100/270 @ 3155', 220 @ 3152', 209/350 @ 3166', 140/450 @ 317', 309/400 @ 3187', 100/270 @ 3155', 220 @ 3152', 209/350 @ 3166', 140/450 @ 317', 309/400 @ 3187', 100/270 @ 3157', 100 bedded with grained, medium gray (dark when well with substantial wacke dark gray; thick bedded with some sedium beds bnicv 3375', bed contacts sharp to vesue, the sharp ones are fint; bude are graded and some have argilite tops, dark gray leminits up to 100 Baconplien	3096.0 - 312:							
0 - 3189.5       Wacko, subwarke and argillite with calcareous zones, medium and dark gray; medium bedded with a fow thin beds bad contacts are sharp and flat; many hed are graded and often have a calcareous isenincid heas, dark gray laminite we to be a regraded and often have a calcareous isenincid heas, dark gray laminite we to be a regraded and often have a calcareous isenincid heas, dark gray laminite we to be a regraded and often have a calcareous isenincid heas, dark gray laminite we to be a high que to be a late, 10,0730 e 3157, 160750 e 3157, 200730 e 3157, 200720 e 3158, 200720 e 3150, 200720 e 3157, 200 e and concentrated in a fee thin guartz wacke had. Bedding to core 320 e 32437. No cleavage observed. Below 3250' pyrchotite is dissessingted in vises to 0.5 cs wide and concentrated in a fee thin guartz wacke had. Bedding to core 320 e 32437. No cleavage observed. Below 3250' pyrchotite is dissessingted in vises to 0.5 cs wide and concentrated in a fee thin guartz wacke had. Bedding to core 320 e 3240, 200		containing amphibole phenoc						-
bedded with a few thin beds; bed contects are sharp and flat; many beds are graded and ofton have a calcuraceus lesingle lesingle lesingle beds. Bedding/cleavage; in opposite enses to bedding; d)0 e 3125,7, 20 m 3157,160/196706 31537,20 e 31657, 2007359 realls cone 3069 - 31657 core a shattered with ehert intervals of breccis and or gouge. A few calcuts weinlets occur. 5 - 3262.0 Guart: arenite, dust: weinlets occur. 5 - 3262.0 Guart: arenite, dust: weinlets occur. 6 - dust: arenite, dust: weinlets occur. 7 - dust: arenite, dust: weinlets occur. 9 - dust: arenite, dust:		46" .			F			
<pre>end offon have a colorrous lasinated base, dark grey lasinites up to 30 cm thick commonly doparate the graded budk. Budding/classes, dark grey lasinites up to 30 cm thick if 0 8 3122.5', 220 8 3150', 190/270 8 3153', 160/250 8 3155', 220 8 3162', 220/350 e 3163', 10/450 8 317', 300/400 8 3135', 160/250 8 3155', 220 8 3162', 220/350 e 3163', 10/450 8 317', 300/400 8 3153', 160/250 8 3153', 120/250 e 3163', 10/450 8 317', 300/400 e 317', and and and and and and and and and and</pre>	3122.0 - 3189				1			
<pre>commonly coparate the graded buds. Budding/cleavage. in opposite sense to budding:</pre>								
<ul> <li>e 3166*, 140/450 @ 3171*, 300/400 @ 3182*, 400/370 @ 3187*. Fault gongs. A fee calcite venilets occur.</li> <li>5 - 3262.0 Guartz stratute work value short intervale of breccis and or gouge. A fee calcite venilets occur.</li> <li>5 - 3262.0 Guartz stratute work value short intervale of breccis and prostend, endine arry (dark when wet) with the wacks dark grey) thick bedded with some medium bedd boliow 3275', bed contacts short to vesue. the propose are flat; beds are greded and some have argilite tops, dark grey leminites up to flat; beds are greded and some have argilite tops, dark grey leminites up to flat; beds are greded and some have argilite tops. dark grey leminites up to flat; beds are greded and some have argilite tops. dark grey leminites up to flat.</li> <li>Sullivan District Western Hole No. DDH6464 Mor Comp. d Core Size Core. Dip Vent. Comp. d Core Size Core. Dip Vent. Comp. d test at Mor Comp. d Source of the state of the source of the source</li></ul>		commonly separate the graded	bods. Bodding/cleavage, in	opposite sense to bed	ding:	1		
Fault zone: 3169 - 3162' core is shottered with short intervals of breccis and or gouge. A few calcits weinlets occur. 5 - 3262.0 Guartz denits weinlets occur. 5 - 3262.0 Guartz denits weinlets occur. 5 - 3262.0 Guartz denits beds beizuk 3275': beds denits denits denits beds denits and a sine weinlight beds beizuk 3275': beds denits beds denits beds beizuk 3275': beds denits beds beds denits beds beds beds beds beds beds beds bed					-/35			
5 - 3262.0 Ourt: arenito, duart: wacke with substantial wacke below 3235'; some beds fine grained, medium grey (dark when wet) with the wacke dark grey; thick bedded with some medium beds biological 2375'; bed contacts sharp to vague, the mention of the second state second state of the second state second state of the second		Fault zone: 3169 - 3182' core	e is shattered with short in		F			
grained, kedium arey (fark when wat) with the wacke dark grey thick bedded with some medius beds bolic 3275', bed contacts sharp to vegue, the sharp ones are flat; beds are graded and some have argillite tops, dark grey laminites up to flat; beds are graded and some have argillite tops, dark grey laminites up to former provide the source of the s		or gouge. A lew calcite vei	niets occur.					
<pre>ison medius beds bnicw 3275'; bed contacts sharp to vesue, the shorp ones are flat; beds are graded and some have argillite tops, dark gray laminitos up to flat; beds are graded and some have argillite tops, dark gray laminitos up to flat; beds are graded and some have argillite tops, dark gray laminitos up to flat; beds are graded and some have argillite tops, dark gray laminitos up to flat; beds are graded and some have argillite tops, dark gray laminitos up to flat; beds are graded and some have argillite tops, dark gray laminitos up to flat; beds are graded and some have argillite tops, dark gray laminitos up to flat; beds are graded and some have argillite tops, dark gray laminitos up to flat; beds are graded and some have argillite tops, dark gray laminitos up to flat; beds are graded and some have argillite tops, dark gray laminitos up to flat; beds are graded and some have argillites tops, dark gray laminitos up to flat; beds are graded and some have argillites, and argillites and the some are dark gray laminitos up to flat; beds are graded and some have argillites and argillites argin argillites argin argillites argillites</pre>	3189.5 - 3263							
flat; beds are graded end some have argillite tops, dark grey laminitos up to         Hole Record         Sullivan       District Western       Hole No. DDH6464         Sullivan       Comp.         district Comp.         district Comp.         Mark Brown       Date         Sullivan       Analysis         Description       Analysis         Sullivan       Analysis         Date       Sullivan         District Comp.         Colspan= 220', 700 Sign Colspan="2">Sign Colspan= 220', 700 Sign Colspan="2">Sign Colspan= 220', 700 Sign Colspan="2">Sign Colspan="2">Analysis         Colspan= 220', 700 Sign Colspan="2">Sign Colspan= 220', 700 Sign Colspan="2">Sign Colspan="2">Analysis         Colspan= 220', 700 Sign Colspan= 220', 700		• • •				T		
Sullivan       District Western       Hole No.       DDH6464         ed       Location       Tests al       Hor. Comp.         d       Core Size       Corr. Djp       Vent. Comp.         ites       True Brg.       Logged by         %       Recov.       Date       F         0       Secreption       Analytis         76       Secreption       Analytis         76       Secreption       Analytis         76.3       Core Size       Core shattered, soce incohevise weakly shered zonces, asse slickensides parallel to bedding. Crush breccis end gouge 3216.5 - 3220'.       Secreption         76.3       Sigs - 3220'       7.9 # 3200'.       74° # 326'.       Secreption         76.3       Sigs - 3220'       7.9 # 3200'.       74° # 326'.       Secreption         76.3       Sigs - 3220'.       74° # 326'.       Secreption       Secreption         76.4       Sigs - 320'.       75 # 3200'.       Secreption       Secreption         76.4       Sigs - 74° # 3270'.       75 # 3300'.       Secreption       Secreption         76.5       Sigs - 74° # 3270'.       75 # 3300'.       Secreption       Secreption         76.5       Sigs - 74° # 3270'.       75 # 3300'.       Secreption								
Description       Tests at       Hor. Comp.         id       Core Size       Corr. Dip       Vert. Comp.         ides       True Brg.       Logged by         in       % Recov.       Date         0       200 cs wide 3240 - 3243'. No cleavage observed. Balow 3250' pyrrhotite is dissessinated       Analysis         5       - 3262.0       20 cs wide 3240 - 3243'. No cleavage observed. Balow 3250' pyrrhotite is dissessinated       Analysis         'd.'       in wisps to 0.5 cs wide and concentrated in a few thin quertz wacks beds. Bedding to core 750 @ 3203', 580 @ 3211', 710 @ 3220'. 760 @ 3220'. 760 @ 3220'.       Analysis         0       - 3307.0       Wacke, dark grey and light grey, lasinated throughout, rare thin bed. Bedding to core 740 @ 3370'. 750 @ 3300'.       Solution:         0       - 3415.0       Wacke, and flat to wavy sost beds are graded to argillite, some argillite, see and in first 15' then cleavage chlorite is consonly developed in argillaceous thin beds are convoluted, a few lithic cleats noted in first 15' then cleavage chlorite is consonly developed in argillaceous sones, it dips in opposite sense then bedding. Sickensides and wasil gouge zones, are developed on several bed contacts. Bedding/cleavage to core: 750/110 @ 315'. 740 @ 3342'', 620/250 @ 3360' (bedding irregular here), 700'120 @ 3408'.         0       - 3424.0       Subwacke and argillite; sedius grey with some dark grey 3415 - 3417', thin and wary thin bedded with medius bed belord.       Soluter to bedding/cleavage to core: 750'/10 @ 3342''. 10 bedding irreg	rill Hole Re	cord		Cominco Page	e 15	1 	 	-
d       Core Size       Corr. Dip       Vert. Comp.         ites       True Brg.       Logged by         ites       % Recov.       Date       g         0       Secription       Analysis         10       in wisps to 0.5 cm wide and concentrated in a few thin quartz wacks beds. Bedding       Analysis         10       in wisps to 0.5 cm wide and concentrated in a few thin quartz wacks beds. Bedding       Analysis         10       core 750 # 3203'. 580 # 321'. 710 # 3220'. 740 # 3236'. 760 # 324'. 750 # 3260'.       3199 - 3220'         10       core of a dark grey and light grey, laminated throughout, rare thin bed. Bedding       Image: Second dark grey and light grey, laminated throughout, rare thin bed. Bedding         10       - 3415.0       Wacke, dark grey and light grey, laminated throughout, rare thin bed. Bedding       Image: Second dark grey and light grey, laminated throughout, rare thin bed. Bedding         11       to core 740 # 3270'. 750 # 3300'.       Image: Second dark grey and light grey, laminated throughout, rare thin bed. Bedding       Image: Second dark grey         12       0 - 3415.0       Wacke is predominant, with quartz arenite, quartz wacke, subwacke and argillite; second fint back are convoluted, a few lithic clasts noted in first 10', calcareous concretions noted at wide spaced intervals. Cleavage pyrrhotite noted in first 15' then cleavage chlorite is comonly developed in argillaceous zones; it dips in opposite sense than bedding. Slickensides and scall gouge zones are			Hole No. DDH6464	Cominco Page	e 15			
Integr         Logged by           integr         Name           100         % Recov.           100         Description           100         70           100         10           100	operty Sulli	van District Western			e 15			
No     Name     Date     E     B       Description     Analysis       5 - 3262.0     20 cm wide 3240 - 3243'. No cleavage observed. Below 3250' pyrhotite is disseminated     Analysis       'd.)     in wisps to 0.5 cm wide and concentrated in a few thin quartz wacke beds. Bedding     Analysis       to core 750 g 3203', 580 g 3211', 710 g 3220', 740 g 3236', 750 g 3260'.     750 g 3260'.       0 - 3307.0     Wacke, dark grey and light grey, lasinated throughout, rare thin bed. Bedding     to core 740 g 3270', 750 g 3300'.       0 - 3415.0     Wacke, is predominant, with quartz arenite, quartz wacke, subwacke and argillite;     and rare sets of argillaceous thin beds are grade to argillite, some argillite       tops and rare sets of argillaceous thin beds are convoluted, a few lithic clasts     noted in first 15' then cleavage chorates is mediage to core: 750/11 g 3315', 740 g 3342', 620/230 g 3360' (bedding irregular here), 700/120 g 3408'.       .0 - 3424.0     Subwacke and argillite; medium grey with some dark grey 3415 - 3417'; thin and very thin bedde with medium beds below 3421'; bed contacts are sharp to 3421', then diffues, and flat. Cleavage chorites throughout dip in opposite sense to bedding.       .0 - 3465.0     Guartz wacke, some quartz arenite, wacke, subwacke and argillite; medium and light grey; thick bedded with medium and thin bed 3424 - 3430' and rarely below, bed contacts sharp to 3421', bed contacts are sharp to 3421', then diffues, and flat. Cleavage chorites throughout dip in opposite sense to bedding.	operty Sulli mmenced	van District Western Location	Tests at	Hor. Comp.	e 15			
Description         Analysis           5 - 3262.0         20 cm wide 3240 - 3243'. No cleavage observed. Below 3250' pyrrhotite is disseminated in wisps to 0.5 cm wide and concentrated in a few thin quartz wacks beds. Bedding to core 750 = 3203'. 580 = 3211'. 710 = 3220'. 740 = 3236'. 760 = 3241'. 750 = 3260'.           0 - 3307.0         Wacke, dark grey and light grey, laminated throughout, rare thin bed. Bedding to core 740 = 3270'. 750 = 3300'.           0 - 3415.0         Wacke, is predominant, with quartz arenite, quartz wacke, subwacke end argillite; medium to light grey; thick end medium bedded; bed contacts sharp to distinct, rarely diffuse, end flat to wavy; most beds are graded to argillate. Cleavage pyrrhotite noted in first 15' then cleavage chlorite is commonly developed in ergillaceous zones; it dips in opposite sense than bedding. Slickensides end ergillate sender throughout, raregular here), 700'120 = 3315', 740 = 3342', 620'250 = 3360' (bedding irregular here), 700'120 = 3406'.           0 - 3424.0         Subwacke and argillite; medium grey with some dark grey 3415 - 3417'; thin and very thin bedded vith medium grey with some dark grey 3415 - 3417'; thin and very thin bedde with medium beds below 3421'; bed contacts are sharp to 3422', then diffuse, end flat. Cleavage chlorites throughout dip in opposite sense to bedding /cleavage to core: 750'110 = 3406'.           0 - 3465.0         Guartz wacke, some quartz arenite, wacke, subwacke and argillite; medium and fine grained; medium and light grey; thick bedded with medium and thin beds 3424 - 3430' and rarely below bed contacts sharp to iffuse are prosent in some of	operty Sulli mmenced mpleted	van District Western Location	Tests at Corr. Dip	Hor. Comp. Vert. Comp.	e 15			
<ul> <li>Description</li> <li>20 Cm wide 3240 - 3243'. No cleavage observed. Below 3250' pyrrhotite is disseminated in wisps to 0.5 cm wide and concentrated in a few thin quartz wacke beds. Bedding to core 750 @ 3203'. 580 @ 3211'. 710 @ 3220'. 760 @ 3221'. 750 @ 3220'.</li> <li>3199 - 3220' Core shattered, some incohevise weakly sheared zones, some slickensides parallel to bedding. Grush breccis and gouge 3216.5 - 3220'.</li> <li>0 - 3307.0 Wacke, dark grey and light grey, laminated throughout, rare thin bed. Bedding to core 74 @ 3270'. 750 @ 3300'.</li> <li>0 - 3415.0 Wacke is predominant, with quartz arenite, quartz wacke, subwacke and argillite; madium to light grey, thick and medium bedded; bed contacts sharp to distinct, rarely diffuse, and flat to wavy; most beds are graded to argillite, some argillite tops and rare sets of argillaceous thin beds are convoluted, a few lithic clasts noted in first 10', calcareous concretions noted at wide spaced intervals. Cleavage pyrrhotite noted in first 15' then cleavage chlorite is commonly developed in argillaceous zones are developed on several bed contacts. Bedding/cleavage to core: 750/110 @ 3315', 740 @ 3322', 620/230 @ 3360' (bedding irregular here), 700/120 @ 3408'.</li> <li>0 - 3424.0 Subwacke and argillite; medium grey with some dark grey 3415 - 3417'; thin and very thin bedded with medium beds below 3421'; bed contacts are sharp to 3421', then diffues, end flat. Cleavage chlorites throughout dip in opposite sense to bedding. Bedding/cleavage to core: 750/370 @ 3422', 50/370 @ 3420'.</li> <li>0 - 2465.0 Quartz wacke, some quartz arenite, wacke, subwacke and argillite; medium and light grey; thick bedded with medium and thin beds 3424 - 3430' and rarely below; bed contacts sharp to diffuse and flat to irregular; beds are graded, primerily AE turbidites. Calcareous patches are present in some of</li> </ul>	operty Sulli mmenced mpleted -ordinates	van District Western Location	Tesis at Corr. Dip True Brg.	Hor. Comp. Vert. Comp. Logged by		J.		
<ul> <li>5 - 3262.0 20 cm wide 3240 - 3243'. No cleavage observed. Below 3250' pyrrhotite is disseminated in wisps to 0.5 cm wide and concentrated in a few thin quartz wacke beds. Bedding to core 750 @ 3203', 580 @ 3211', 710 @ 3220', 740 @ 3236', 760 @ 3241', 750 @ 3260'.</li> <li>3199 - 3220' Core shattered, some incohevise weakly sheared zones, some slickensides parallel to bedding. Crush breccia and gouge 3216.5 - 3220'.</li> <li>0 - 3307.0 Wacke, dark grey and light grey, laminated throughout, rare thin bed. Bedding to core 740 @ 3270', 750 @ 3300'.</li> <li>0 - 3415.0 Wacke is predominant, with quartz menite, quartz wacke, subwacke and argillite; medium to light grey; thick and medium bedded; bed contacts sharp to distinct, rarely diffuse, and flat to wavy; most beds are graded to argillite, some argillite tops and rare sets of argillaceous chin beds are convoluted, a few lithic clasts noted in first 10', calcareous concretions noted at wide spaced intervals. Cleavage pyrrhotite noted in first 15' then cleavage chlorite is commonly developed in argillaceous zones, it dips in opposite sense than bedding. Slickensides and small gouge zones are developed on several bed contacts. Bedding/cleavage to core: 750/110 @ 3315', 740 @ 3342', 620/250 @ 3360' (bedding irregular here), 700/120 @ 3408'.</li> <li>0 - 3424.0 Subwacke and argillite; medium grey with some dark grey 3415 - 3417'; thin end wery thin bedded with medium grey of core: 750/370 @ 3420'.</li> <li>0 - 3465.0 Quartz wacke, some quartz arenite, wacke, subwacke and argillite; medium and fine grained; medium and light grey; thick bedded with medium and thin beds 3424 - 3430' and rarely below; bed contacts sharp to diffuse are firse are greed, priserily AE turbidites. Calcareous patches are present in some of</li> </ul>	operty Sulli mmenced mpleted -ordinates	van District Western Location	Tesis at Corr. Dip True Brg.	Hor. Comp. Vert. Comp. Logged by	Claim	-		
<ul> <li>in wisps to 0.5 cm wide and concentrated in a few thin quartz wacke beds. Bedding to core 75° 8 3203', 58° 8 3211', 71° 8 3220', 74° 8 3236', 75° 8 3241', 75° 8 3260'.</li> <li>3199 - 3220' Core shattered, some incohevise weakly sheared zones, some slickensides parallel to bedding. Crush breccis and gouge 3216.5 - 3220'.</li> <li>0 - 3307.0 Wacke, dark grey and light grey, laminated throughout, rare thin bed. Bedding to core 74° 8 3270', 75° 8 3300'.</li> <li>0 - 3415.0 Wacke is predominant, with quartz arenits, quartz wacke, subwacke and argillite; medium to light grey; thick and medium bedded; bed contacts sharp to distinct, medium to light grey; thick and medium bedded; bed contacts sharp to distinct, rarely diffuse, and flat to wavy; most beds are graded to argillite, some argillite tops and rare sets of argillaceous thin beds are convoluted, a few lithic clasts noted in first 10', calcareous concretions moted at wide spaced intervals. Cleavage pyrrhotite noted in first 15' then cleavage chlorite is commonly developed in argillaceous zones; it dips in opposite sense than bedding. Slickensides and small gouge zones are developed on several bed contacts. Bedding/cleavage to core: 750/110 &amp; 3315', 74° &amp; 3342', 620/25° &amp; 3360' (bedding irregular here), 70°/12° &amp; 3408'.</li> <li>0 - 3424.0 Subwacke and argillite; medium grey with some dark grey 3415 - 3417'; thin and very thin bedded with medium beds below 3421'; bed contacts are sharp to 3421', then diffues, end flat. Cleavage chlorites throughout dip in opposite sense to bedding. Bedding/cleavage to core: 75°/37° &amp; 3420'.</li> <li>0 - 3465.0 Quartz wacke, some quartz arenite, wacke, subwacke and argillite; medium and fine grained; medium and light grey; thick bedded with medium and thin beds 3424 - 3430' and rarely below; bed contacts sharp to diffuse and flat to irregular; beds are greds, primarily AE turbidites. Calcareous patches are present in some of</li> </ul>	operty Sulli ommenced ompleted o-ordinates ojective	van District Western Location Core Size	Tesis at Corr. Dip True Brg.	Hor. Comp. Vert. Comp. Logged by	Claim	-		
<ul> <li>to core 750 @ 3203', 56° @ 3211', 71° @ 3220', 74° @ 3236', 76° @ 3241', 75° @ 3260'. 3199 - 3220' Core shattered, some incohevise weakly sheared zones, some slickensides parallel to bedding. Crush breccia and gouge 3216.5 - 3220'.</li> <li>0 - 3307.0 Wacke, dark grey and light grey, laminated throughout, rare thin bed. Bedding to core 74° @ 3270', 75° @ 3300'.</li> <li>0 - 3415.0 Wacke is predominant, with quartz arenite, quartz wacke, subwacke and argillite; medium to light grey; thick and medium bedded; bed contacts sharp to distinct, rarely diffuse, and flat to wavy; most beds are graded to argillite, some argillite tops and rare sets of argillaceous thin beds are convoluted, a few lithic clasts noted in first 10', calcareous concretions noted at wide spaced intervals. Cleavage pyrrhotite noted in first 15' then cleavage chlorite is comsonly developed in argillaceous zones; it dips in opposite sense than bedding. Slickensides and saall gouge zones are developed on several bed contacts. Bedding/cleavage to core: 750'10 @ 3315', 74° @ 3342', 620/25° @ 3360' (bedding irregular here), 700'12° @ 3408'.</li> <li>0 - 3424.0 Subwacke and argillite; medium grey with some dark grey 3415 - 3417'; thin and very thin bedded with medium beds below 3421'; bed contacts are sharp to 3422', then diffues, and flat. Cleavage chlorites throughout dip in opposite sense to bedding. Bedding/cleavage to core: 750'370 @ 3420'.</li> <li>0 - 3465.0 Quartz wacke, some quartz arenite, wacke, subwacke and argillite; medium and light grey; thick bedded with medium and thin beds 3424 - 3430' and rarely below; bed contacts hard flat to irregular; beds are grded, primarily AE turbidites. Calcareous patches are present in some of</li> </ul>	operty Sulli ommenced ompleted o-ordinates olective n To	van District Western Location Core Size	Tests at Corr. Dip True Brg. % Recov.	Hor. Comp. Vert. Comp. Logged by Date		-		
<ul> <li>parallel to bedding. Grush breccia and gouge 3216.5 - 3220'.</li> <li>0 - 3307.0 Wacke, dark grey and light grey, laminated throughout, rare thin bed. Bedding to core 74° # 3270', 75° # 3300'.</li> <li>0 - 3415.0 Wacke is predominant, with quartz arenite, quartz wacke, subwacke and argillite; medium to light grey; thick and medium bedded; bed contacts sharp to distinct, rarely diffuse, and flat to wavy; most beds are graded to argillite, some argillite tops and rare sets of argillaceous thin beds are convoluted, a few lithic clasts noted in first 10', calcareous concretions noted at wide spaced intervals. Cleavage pyrrhotite noted in first 15' then cleavage chlorite is commonly developed in argillaceous zones; it dips in opposite sense than bedding. Slickensides and small gouge zones are developed on several bed contacts. Bedding/cleavage to core: 750/110 # 3315', 74° # 3342', 620/25° # 3360' (bedding irregular here), 70°/12° # 3408'.</li> <li>0 - 3424.0 Subwacke and argillite; medium grey with some dark grey 3415 - 3417'; thin and very thin bedde with medium beds below 3421'; bed contacts are sharp to 3421'.</li> <li>0 - 3465.0 Quartz wacke, some quartz arenite, wacke, subwacke and argillite; medium and fine grained; medium and light grey; thick bedded with medium and fine diffuse, and light grey; thick bedded with medium and fine grained; medium and light grey; thick bedded with medium and fine grained; medium and light grey; thick bedded with medium and fine grained; medium and light grey; thick bedded with medium and fine grained; medium and light grey; thick bedded with medium and fine grained; medium and light grey; thick bedded with medium and fine grained; medium and light grey; thick bedded with medium and fine grained; medium and light grey; thick bedded with medium and fine grained; medium and light grey; thick bedded with medium and fine grained; medium and light grey; thick bedded with medium and fine grained; medium and light grey; thick bedded with medium and fine grained; primerily AE t</li></ul>	operty Sulli mmenced mpleted ordinates ojective m To 3189.5 - 3262	van District Western Location Core Size escription	Tests at Corr. Dip True Brg. % Recov. Cleavage observed. Below 3 concentrated in a few thin	Hor. Comp. Vert. Comp. Logged by Date 3250' pyrrhotite is disa guartz wacke beds. Bee	E m O Ani seminated dding	-		
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<ul> <li>medium to light grey; thick and medium bedded; bed contacts sharp to distinct, rarely diffuse, and flat to wavy; most beds are graded to argillite, some argillite tops and rare sets of argillaceous thin beds are convoluted, a few lithic clasts noted in first 10', calcareous concretions noted at wide spaced intervals. Cleavage pyrrhotite noted in first 15' then cleavage chlorite is commonly developed in argillaceous zones; it dips in opposite sense than bedding. Slickensides and core: 750/110 @ 3315', 740 @ 3342', 620/250 @ 3360' (bedding irregular here), 700/120 @ 3408'.</li> <li>0 - 3424.0 Subwacke and argillite; medium grey with some dark grey 3415 - 3417'; thin and very thin bedded with medium beds below 3421'; bed contacts are sharp to 3421', then diffuse, and flat. Cleavage chlorites throughout dip in opposite sense to bedding. Bedding/cleavage to core: 750/370 @ 3420'.</li> <li>0 - 3465.0 Quartz wacke, some quartz arenite, wacke, subwacke and argillite; medium and fine grained; medium and light grey; thick bedded with medium and fine diafor arealy below; bed contacts sharp to diffuse and flat to irregular; beds are greded, primarily AE turbidites. Calcareous patches are present in some of</li> </ul>	operty Sulli mmenced mpleted -ordinates ojective m To 3189.5 - 3262 (Cont'd.)	van District Western Location Core Size escription :.0 20 cm wide 3240 - 3243'. No in wisps to 0.5 cm wide and to core 75° @ 3203', 58° @ 32 3199 - 3220' Core shattere parallel to be	Tests at Corr. Dip True Brg. % Recov. cleavage observed. Below 3 concentrated in a few thin 211', 71° @ 3220', 74° @ 323 d, some incohevise weakly sh edding. Crush breccia and g	Hor. Comp. Vert. Comp. Logged by Date 3250' pyrrhotite is dist quartz wacke beds. Bet 36', 76° @ 3241', 75° @ seared zones, some slic jouge 3216.5 - 3220'.	seminated dding 3260'. kensides	-		
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<ul> <li>0 - 3424.0 Subwacke and argillite; medium grey with some dark grey 3415 - 3417'; thin and very thin bedded with medium beds below 3421'; bed contacts are sharp to 3421', then diffuee, and flat. Cleavage chlorites throughout dip in opposite sense to bedding. Bedding/cleavage to core: 75°/37° € 3420'.</li> <li>0 - 3465.0 Quartz wacke, some quartz arenite, wacke, subwacke and argillite; medium and fine grained; medium and light grey; thick bedded with medium and thin beds 3424 - 3430' and rarely below; bed contacts sharp to diffuse and flat to irregular; beds are grded, primarily AE turbidites. Calcareous patches are present in some of</li> </ul>	aperty Sulli mmenced mpleted ordinates lective n To 189.5 - 3262 Cont'd.)	<ul> <li>Van District Western</li> <li>Location</li> <li>Core Size</li> <li>escription</li> <li>Core Size</li> <li>core Size</li> <li>escription</li> <li>Core Size</li> <li>core 75° @ 3203', 58° @ 32 3199 - 3220'</li> <li>Core shattere parallel to be</li> <li>Wacke, dark grey and ligh to core 74° @ 3270', 75° @ 32</li> <li>Wacke, dark grey and ligh to core 74° @ 3270', 75° @ 32</li> <li>Wacke is predominant, with a medium to light grey; thick rarely diffuse, and flat to v tops and rare sets of argin noted in first 10', calcareou pyrrhotite noted in first argillaceous zones; it dips seall gouge zones are det</li> </ul>	Tests at Corr. Dip True Brg. % Recov. Concentrated in a few thin 211', 71° & 3220', 74° & 323 d, some incohevise weakly sh edding. Crush breccia and g ht grey, laminated through 300'. quartz arenite, quartz wack k and medium bedded; bed c wavy; most beds are graded t llaceous thin beds are conv us concretions noted at wide 15' then cleavage chlori in opposite sense than veloped on several bed cor	Hor. Comp. Vert. Comp. Logged by Date B250' pyrrhotite is dise guartz wacke beds. Bee B6', 76° g 3241', 75° g Heared zones, some slich youge 3216.5 - 3220'. Dut, rare thin bed. Bee te, subwacke and argil contacts sharp to dist. contacts sharp to	eeminated dding 3260'. kensides dding lite; inct, llite lasts eavage ed in s and ge to	-		
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0 - 3465.0 Quartz wacke, some quartz arenite, wacke, subwacke and argillite; medium and fine grained; medium and light grey; thick bedded with medium and thin beds 3424 - 3430' and rarely below; bed contacts sharp to diffuse and flat to irregular; beds are grded, primarily AE turbidites. Calcareous patches are present in some of	operty Sulli mmenced mpleted -ordinates jective m To 3189.5 - 3262 (Cont'd.)	<ul> <li>Van District Western</li> <li>Location</li> <li>Core Size</li> <li>escription</li> <li>Core Size</li> <li>core 75° @ 3203', S8° @ 33</li> <li>core 74° @ 3270', 75° @ 33</li> <li>core 74° @ 3270', 75° @ 33</li> <li>core 74° @ 3270', 75° @ 33</li> <li>dight grey; thick rarely diffuse, and flat to vise tops and rare sets of argulation of an first 10', calcared pyrrhotite noted in first 10', calcared pyrrhotite noted pyrr</li></ul>	Tests at Corr. Dip True Brg. % Recov. Cleavage observed. Below 3 concentrated in a few thin 211', 71° @ 3220', 74° @ 323 d, some incohevise weakly sh edding. Crush breccia and g ht grey, laminated througho 300'. quartz arenite, quartz wack k and medium bedded; bed c wavy; most beds are graded t llaceous thin beds are conv us concretions noted at wide 15' then cleavage chlori in opposite sense than veloped on several bed cor 3342', 62°/25° @ 3360' ium grey with some dark conv beds below 3421'; bed cor	Hor. Comp. Vert. Comp. Logged by Date 3250' pyrrhotite is diss quartz wacke beds. Bed 66', 76° € 3241', 75° € meared zones, some slich pouge 3216.5 - 3220'. but, rare thin bed. Bed te, subwacke and argilliontacts sharp to dist to argillite, some argi roluted, a few lithic c. spaced intervals. Cli- te is commonly develop bedding. Slickenside tacts. Bedding/cleaved (bedding irregular ho grey 3415 - 3417'; thin tacts are sharp to 3	seminated dding 3260'. kensides dding lite; inct, llite eavage ed in s and ge to ere), n and 421',	-		
grained; medium and light grey; thick bedded with medium and thin beds 3424 - 3430' and rarely below; bed contacts sharp to diffuse and flat to irregular; beds are grded, primarily AE turbidites. Calcareous patches are present in some of	Sulli           mmenced           mpleted           -ordinates           jective           iage           n           70           3189.5           3262.0           3262.0           3307.0           3307.0	<ul> <li>Van District Western</li> <li>Location</li> <li>Core Size</li> <li>escription</li> <li>Core Size</li> <li>escription</li> <li>Core Size</li> <li>core 75° € 3203', No in wisps to 0.5 cm wide and to core 75° € 3203', 58° € 33 3199 - 3220' Core shattered parallel to be</li> <li>Wacke, dark grey and light to core 74° € 3270', 75° € 33</li> <li>Wacke is predominant, with a medium to light grey; thick rarely diffuse, and flat to to tops and rare sets of argin noted in first 10', calcareou pyrrhotite noted in first argillaceous zones; it dips shall gouge zones are decore: 75°/11° € 3315', 74° € 70°/12° € 3408'.</li> <li>Subwacke and argillite; medium then diffuse, and flat. C</li> </ul>	Tests at Corr. Dip True Brg. % Recov. Cleavage observed. Below 3 concentrated in a few thin 211, 710 @ 3220', 740 @ 323 d, some incohevise weakly sh edding. Crush breccia and g ht grey, laminated througho 300'. quartz arenite, quartz wack k and medium bedded; bed c wavy; most beds are graded t llacsous thin beds are conv us concretions noted at wide 15' then cleavage chlori in opposite sense than veloped on several bed cor 3342', 620/250 @ 3360' ium grey with some dark g beds below 3421'; bed cor leavage chlorites throughou	Hor. Comp. Vert. Comp. Logged by Date 3250' pyrrhotite is diss quartz wacke beds. Bed 66', 76° € 3241', 75° € meared zones, some slich pouge 3216.5 - 3220'. but, rare thin bed. Bed te, subwacke and argilliontacts sharp to dist to argillite, some argi roluted, a few lithic c. spaced intervals. Cli- te is commonly develop bedding. Slickenside tacts. Bedding/cleaved (bedding irregular ho grey 3415 - 3417'; thin tacts are sharp to 3	seminated dding 3260'. kensides dding lite; inct, llite eavage ed in s and ge to ere), n and 421',	-		
3430' and rarely below; bed contacts sharp to diffuse and flat to irregular; beds are grded, primarily AE turbidites. Calcareous patches are present in some of	Sulli           mmenced           mpleted           -ordinates           jective           iage           n           70           3189.5           3262.0           3262.0           3307.0           3307.0	<ul> <li>Van District Western</li> <li>Location</li> <li>Core Size</li> <li>escription</li> <li>Core Size</li> <li>escription</li> <li>Core Size</li> <li>core 75° € 3203', No in wisps to 0.5 cm wide and to core 75° € 3203', 58° € 33 3199 - 3220' Core shattered parallel to be</li> <li>Wacke, dark grey and light to core 74° € 3270', 75° € 33</li> <li>Wacke is predominant, with a medium to light grey; thick rarely diffuse, and flat to to tops and rare sets of argin noted in first 10', calcareou pyrrhotite noted in first argillaceous zones; it dips shall gouge zones are decore: 75°/11° € 3315', 74° € 70°/12° € 3408'.</li> <li>Subwacke and argillite; medium then diffuse, and flat. C</li> </ul>	Tests at Corr. Dip True Brg. % Recov. Cleavage observed. Below 3 concentrated in a few thin 211, 710 @ 3220', 740 @ 323 d, some incohevise weakly sh edding. Crush breccia and g ht grey, laminated througho 300'. quartz arenite, quartz wack k and medium bedded; bed c wavy; most beds are graded t llacsous thin beds are conv us concretions noted at wide 15' then cleavage chlori in opposite sense than veloped on several bed cor 3342', 620/250 @ 3360' ium grey with some dark g beds below 3421'; bed cor leavage chlorites throughou	Hor. Comp. Vert. Comp. Logged by Date 3250' pyrrhotite is diss quartz wacke beds. Bed 66', 76° € 3241', 75° € meared zones, some slich pouge 3216.5 - 3220'. but, rare thin bed. Bed te, subwacke and argilliontacts sharp to dist to argillite, some argi roluted, a few lithic c. spaced intervals. Cli- te is commonly develop bedding. Slickenside tacts. Bedding/cleaved (bedding irregular ho grey 3415 - 3417'; thin tacts are sharp to 3	seminated dding 3260'. kensides dding lite; inct, llite eavage ed in s and ge to ere), n and 421',	-		
are grded, primarily AE turbidites. Calcareous patches are present in some of	Sulli           mmenced           mpleted           -ordinates           jactive           iage           n           70           3189.5           3262.0           3307.0           3307.0	<ul> <li>Van District Western</li> <li>Location</li> <li>Core Size</li> <li>escription</li> <li>O 20 cm wide 3240 - 3243'. No in wisps to 0.5 cm wide and to core 75° @ 3203', 58° @ 33 3199 - 3220' Core shattered parallel to be 3199 - 3220' Core shattered parallel to be 5.0 Wacke, dark grey and light to core 74° @ 3270', 75° @ 33</li> <li>Wacke, dark grey and light to core 74° @ 3270', 75° @ 33</li> <li>Wacke, dark grey and light to core 74° @ 3270', 75° @ 33</li> <li>Wacke is predominant, with a medium to light grey; thick rarely diffuse, and flat to y tops and rare sets of argin noted in first 10', calcareou pyrrhotite noted in first 10', calcareou pyrhotite noted in first 10'</li></ul>	Tests at Corr. Dip True Brg. % Recov. Cleavage observed. Below 3 concentrated in a few thin 211', 71° @ 3220', 74° @ 323 d, some incohevise weakly sh edding. Crush breccia and g ht grey, laminated througho 300'. quartz arenite, quartz wack k and medium bedded; bed c wavy; most beds are graded t llaceous thin beds are conv us concretions noted at wide 15' then cleavage chlori in opposite sense than veloped on several bed cor 3342', 62°/25° @ 3360' ium grey with some dark g beds below 3421'; bed cor leavage chlorites throughou o core: 75°/37° @ 3420'. enite, wacke, subwacke and	Hor. Comp. Vert. Comp. Logged by Date 3250' pyrrhotite is diss quartz wacke beds. Bed 66', 76° € 3241', 75° € meared zones, some slich youge 3216.5 - 3220'. but, rare thin bed. Bed te, subwacke and argil contacts sharp to dist to argillite, some argi roluted, a few lithic c. spaced intervals. Cli the is commonly develop bedding. Slickenside thats. Bedding/cleaved (bedding irregular ho grey 3415 - 3417'; thi tacts are sharp to 3 at dip in opposite sen argillite; medium and	seminated dding 3260'. kensides dding lite; inct, llite eavage ed in s and ge to ere), n and 421', se to	-		
the thicker beds; these patches are irregular and appear to be an alteration;	perty         Sulli           nmenced	<ul> <li>Van District Western</li> <li>Location</li> <li>Core Size</li> <li>escription</li> <li>O 20 cm wide 3240 - 3243'. No in wisps to 0.5 cm wide and to core 75° € 3203', 58° € 33</li> <li>3199 - 3220' Core shattered parallel to be 3199 - 3220' Core shattered parallel to be 5.0 Wacke, dark grey and light to core 74° € 3270', 75° € 33</li> <li>Wacke is predominant, with a medium to light grey; thick rarely diffuse, and flat to v tops and rare sets of argin noted in first 10', calcared pyrhotite noted in first argillaceous zones; it dips saall gouge zones are decore: 75°/11° € 3315', 74° € 70°/12° € 3408'.</li> <li>Subwacke and argillite; med very thin bedded with medium then diffuee, and flat. C bedding. Bedding/cleavage to bedding. Bedding/cleavage to argined; medium and light</li> </ul>	Tests at Corr. Dip True Brg. % Recov. Cleavage observed. Below 3 concentrated in a few thin 211, 710 & 3220', 740 & 323 d, some incohevise weakly sh adding. Crush breccia and g ht grey, laminated througho 300'. quartz arenite, quartz wack k and medium bedded; bed c wavy; most beds are graded t llaceous thin beds are conv us concretions noted at wide 15' then cleavage chlori in opposite sense than veloped on several bed cor 3342', 620/250 # 3360' ium grey with some dark g beds below 3421'; bed cor leavage chlorites throughon o core: 750/370 # 3420'. enite, wacke, subwacke and grey; thick bedded with	Hor. Comp. Vert. Comp. Logged by Date 2250' pyrrhotite is dise quartz wacke beds. Bed guartz wacke beds. Bed for, 76° € 3241', 75° € heared zones, some slich pouge 3216.5 - 3220'. but, rare thin bed. Bed tontacts sharp to dist contacts sharp to dist contacts. Bed information the is commonly develop bedding. Slickenside that is commonly develop bedding. Slickenside that is consonly develop that is consonly develop bedding. Slickenside that is consonly develop that is consonly d	seminated dding 3260'. kensides dding 1ite; inct, 1lite lasts eavage ed in 5 and ge to ere), n and 421', as to fine 424 -	-		
	Sulli           umenced           upleted           ordinates           active           189.5 - 3262           Cont'd.)           262.0 - 3307           307.0 - 3415           415.0 - 3424	<ul> <li>Van District Western</li> <li>Location</li> <li>Core Size</li> <li>escription</li> <li>Co 20 cm wide 3240 - 3243'. No in wisps to 0.5 cm wide and to core 75° 8 3203', 58° 8 33 3199 - 3220' Core shattere parallel to be 2.0 Wacke, dark grey and light to core 74° 8 3270', 75° 8 33</li> <li>Wacke, dark grey and light to core 74° 8 3270', 75° 8 33</li> <li>Wacke, is predominant, with a medium to light grey; thick rarely diffuse, and flat to v tops and rare sets of argin noted in first 10', calcareou pyrrhotite noted in first argillaceous zones; it dips shall gouge zones are de core: 75°/11° 8 3315'. 74° 8 70°/12° 8 3408'.</li> <li>Subwacke and argillite; medi very thin bedded with medium then diffuse, and flat. G bedding. Bedding/cleavage to 340° and rarely blow; bed are grded, primarily AE</li> </ul>	Tests at Corr. Dip True Brg. % Recov. % Recov. Cleavage observed. Below 3 concentrated in a few thin 211', 71° @ 3220', 74° @ 323 d, some incohevise weakly sh edding. Crush breccia and g ht grey, laminated througho 300'. quartz arenite, quartz wack k and medium bedded; bed c wavy; most beds are graded t llaceous thin beds are conv us concretions noted at wide 15' then cleavage chlori in opposite sense than veloped on several bed cor 3342', 62°/25° @ 3360' ium grey with some dark g beds below 3421'; bed cor leavage chlorites throughou o core: 75°/37° @ 3420'. enite, wacke, subwacke and grey; thick bedded with contacts sharp to diffuse ar turbidites. Calcareous pat	Hor. Comp. Vert. Comp. Logged by Date 3250' pyrrhotite is dise quartz wacke beds. Bee 36', 76° @ 3241', 75° @ teared zones, some slich youge 3216.5 - 3220'. but, rare thin bed. Bee te, subwacke and argil: contacts sharp to dist. contacts Bedding/cleavas (bedding irregular horized argillite; medium and medium and thin beds 3 and flat to irregular; tones are present in so	seminated dding 3260'. kensides dding lite; inct, llite lasts eavage ed in s and ge to ere), n and 421', se to fine 424 - beds me of	-	•	

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			Cominco Page 16				
Property Sulliva	n District Western	Hole No. DDH6464				1	
Commenced	Location	Tests at	Hor. Comp.				
Completed	Core Size	Corr. Dlp	Vert. Comp.				
Co-ordinates		True Brg.	Logged by			Dip	
Objective		% Recov.	Date	Claim	Brg.	Collar	2
				Ū	⊢	8	Elev.
	ription			Analy	ysis	T	
From To		· · · · · · · · · · · · · · · · · · ·				1	+
3424.0 ~ 3465.0 (Cont'd.)	there are also intervals of qua fill. From 3438 to 3444', prim						-
Cone u.,	healed crush zone. Gouge and			'			
	3455'. Bedding/with cleavage of	dipping in opposite sense:	80°/25° @ 3445'.				
3465.0 - 3486.0	Wacke, subwacke and argillite w	with minor quartz wacke;	medium grey; medium bedded				
	with few thin beds; bed co						+
	<ul> <li>and minor gouge noted on a few dipping in opposite sense to be</li> </ul>		ractures. Bedding/cleavage,				+
		-					+-
3486.0 - 3501.0	Quartz wacke, some quartz are light grey; thick bedded; bed o						+.
	beds are graded, through to	o argillite, some beds h	ave unsorted (wacke) bases;				+
	some beds have pale calcareous intervals in which fine inter			•			+
	intervals in which fine inter 73° @ 3497'.	recitiai calcite graine ar	e present. Bedding to core				1
						[	1
3501.0 - 3519.0	Wacke, subwacke and argillite; thick beds; bed contacts shar					1	1
	are graded (AE turbidites) with	some beds having irregul	ar bleached (one calcareous)				
	patches. Bedding to core is at 3505'.	800 with cleavage dipping	30° in the opposite sense,				
							Τ
3519.0 - 3575.0	Quartz wacke, wacke, subwacke						T
	bedded with a few medium bede irregular (some flames); beds a					1	T
	clasts noted in wacke portion of	of thick bed at 3565'. Ba	ses of most beds are quartz				1-
	wacke. Slickensides noted on opposite sense to bedding, to c		dding/cleavage, dipping in				1-
	-thearer cause of bendrugt to c						╉
				•	<u> </u>		+
Drill Hole Reco	rd					· · ·	_1. 
Drill Hole Reco	rd		Cominco Page 17				1.
Drill Hole Reco	rd District Western	Hole No. DDH6464	CominCo Page 17				
6 . 11 feet		Hole No. DDH6464 Tests at	Hor. Comp.				
Property Sullivan	District Western						
Property Sullivan Commenced Completed	District Western Location	Tests at	Hor. Comp.			Dip	
Property Sullivan Commenced Completed Co-ordinates	District Western Location	Tests at Corr. Dip	Hor. Comp.		drg.	llar Dip	.X.
Property Sullivan Commenced Completed	District Western Location	Tests at Corr. Dip True Brg.	Hor. Comp. Vert. Comp. Logged by		i arg		Elev.
Property Sullivan Commenced Completed Co-ordinates Dbjective potage Descr	District Western Location	Tests at Corr. Dip True Brg.	Hor. Comp. Vert. Comp. Logged by	E C O + Analy	i arg	Collar Dip	Elev.
Property Sullivan Commenced Completed Co-ordinates Dbjective colage Descr rom To	District Western Location Core Size	Tests at Corr. Dip True Brg. % Recov.	Hor. Comp. Vert. Comp. Logged by Date		i arg	Collar Dip	Elev.
Property Sullivan Commenced Completed Co-ordinates Dbjective potage Descr	District Western Location Core Size iption Wacke, subwacke and argillit	Tests at Corr. Dip True Brg. % Recov.	Hor. Comp. Vert. Comp. Logged by Date wacke; medium grey; medium		i arg	Collar Dip	Elev.
Property Sullivan Commenced Completed Co-ordinates Dbjective colage Descr rom To	District Western Location Core Size	Tests at Corr. Dip True Brg. % Recov. % Recov.	Hor. Comp. Vert. Comp. Logged by Date wacke; medium grey; medium contacts distinct to vague	Analy	i arg	Collar Dip	Elev.
Property Sullivan Commenced Completed Co-ordinates Dbjective colage Descr rom To	District Western Location Core Size iption Wacke, subwacke and argillit and thin bedded (the quartz wac and flat to irregular; many bed intervals in which internal fe	Tests at Corr. Dip True Brg. % Recov. % Recov. s with about 10% quartz ke beds are thick); bed of s are graded however there atures are obscured by 1	Hor. Comp. Hor. Comp. Logged by Date wacke; medium grey; medium contacts distinct to vague e are some argillite dominated bit grooving. Slickensides	Analy	i arg	Collar Dip	Elev.
Property Sullivan Commenced Completed Co-ordinates Dbjective colage Descr rom To	District Western Location Core Size iption Wacke, subwacke and argillit and thin bedded (the quartz wac and flat to irregular; many bed intervals in which internal fe are commonly developed on b	Tests at Corr. Dip True Brg. % Recov. % Recov. e with about 10× quartz ke beds are thick); bed of s are graded however there atures are obscured by h edding contacts and on t	Hor. Comp. Vert. Comp. Logged by Date Date wacke; medium grey; medium contacts distinct to vague e are some argillite dominated oit grooving. Slickensides fractures subparallel or at	Analy	i arg	Collar Dip	Elev.
Property Sullivan Commenced Completed Co-ordinates Dbjective Prom To Descr	District Western Location Core Size	Tests at Corr. Dip True Brg. % Recov. % Recov. % Recov. s are thick); bed of s are graded however there batures are obscured by 1 redding contacts and on 3 small scale tectonic fold Cleavage chlorites are pl	Hor. Comp. Hor. Comp. Vert. Comp. Logged by Date Date wacke; medium grey; medium contacts distinct to vague a are some argillite dominated bit grooving. Slickensides fractures subparallel or at is and thrusts are developed lentiful. Bedding/cleavage	Analy	i arg	Collar Dip	Elev.
Property Sullivan Commenced Completed Co-ordinates Dbjective Prom To Descr	District Western Location Core Size	Tests at Corr. Dip True Brg. % Recov. % Recov. with about 10x quartz ke beds are thick); bed of a are graded however there atures are obscured by 1 wedding contacts and on a small scale tectonic fold Cleavage chlorites are pi core: 72° to 14° on of	Hor. Comp. Vert. Comp. Logged by Date wacke; medium grey; medium contacts distinct to vague e are some argillite dominated bit grooving. Slickensides fractures subparallel or at ds and thrusts are developed lentiful. Bedding/cleavage oposite limb/22° (in same	Analy	i arg	Collar Dip	Elev.
Property Sullivan Commenced Completed Co-ordinates Dbjective Prom To Descr	District Western Location Core Size	Tests at Corr. Dip True Brg. % Recov. % Recov. e with about 10% quartz ke beds are thick); bed ( s are graded however therce atures are obscured by 1 edding contacts and on 1 small scale tectonic fold Cleavage chlorites are pi core: 72° to 14° on of e the 14° limb) € 3577', 35° (same), 43° and 24° (s	Hor. Comp. Vert. Comp. Logged by Date Date wacke; medium grey; medium contacts distinct to vague a are some argillite dominated oit grooving. Slickensides fractures subparallel or at ls and thrusts are developed Lentiful. Bedding/cleavage oposite limb/22° (in same 5°5°/22° (opposite) @ 3589',	Analy	i arg	Collar Dip	Elev.
Property Sullivan Commenced Completed Co-ordinates Dbjective Prom To Descr	District Western Location Core Size	Tests at Corr. Dip True Brg. % Recov. % Recov. e with about 10% quartz ke beds are thick); bed ( s are graded however therce atures are obscured by 1 edding contacts and on 1 small scale tectonic fold Cleavage chlorites are pi core: 72° to 14° on of e the 14° limb) € 3577', 35° (same), 43° and 24° (s	Hor. Comp. Vert. Comp. Logged by Date Date wacke; medium grey; medium contacts distinct to vague a are some argillite dominated oit grooving. Slickensides fractures subparallel or at ls and thrusts are developed Lentiful. Bedding/cleavage oposite limb/22° (in same 5°5°/22° (opposite) @ 3589',	Analy	i arg	Collar Dip	Elev.
Property Sullivan Commenced Completed Co-ordinates Dbjective Prom To Descr	District Western Location Core Size	Tests at Corr. Dip True Brg. % Recov. % Recov. e with about 10× quartz ke beds are thick); bed of s are graded however there atures are obscured by 1 edding contacts and on 1 small scale tectonic fold Cleavage chlorites are pi eding contacts and on of the 14° limb) @ 3577', 1 36° (same), 43° and 24° (1 @ 3598.5'. s, core is shattered with	Hor. Comp. Vert. Comp. Logged by Date wacke; medium grey; medium contacts distinct to vague a are some argillite dominated oit grooving. Slickensides fractures subparallel or at ls and thrusts are developed lentiful. Bedding/cleavage oposite limb/22° (in same 55°/22° (opposite) @ 3589°, in same sense on overturned 3 incohesive zones recovered.	Analy	i arg	Collar Dip	Elev.
Property Sullivan Commenced Completed Co-ordinates Dbjective colage Descr rom To Descr 3575.0 - 3599.0	District Western Location Core Size iption Wacke, subwacke and argillit and thin bedded (the quartz wac and flat to irregular; many bed intervals in which internal fe are commonly developed on b a small angle to bedding. Very in the argillaceous intervals. (sense relative to bedding) to sense as 72° limb and opposit 84° (enveloping small thrusts)/ limb)/39° (same, axial planar) Fault zone, 10 feet of core los Predominant lithotype is wacke.	Tests at Corr. Dip True Brg. % Recov. % Recov. e with about 10% quartz ke beds are thick); bed (of a are graded however there atures are obscured by he edding contacts and on of small scale tectonic fold Cleavage chlorites are pi core: 72° to 14° on of e the 14° limb) @ 3577', 5 36° (same), 43° and 24° (: @ 3598.5'. s, core is shattered with Slickensides are not	Hor. Comp. Vert. Comp. Logged by Date Date wacke; medium grey; medium contacts distinct to vague a re some argillite dominated bit grooving. Slickensides fractures subparallel or at 16 and thrusts are developed lentiful. Bedding/cleavage oposite limb/22° (in same 75°/22° (opposite) @ 358°, In same sense on overturned 3 incohesive zones recovered. as abundant as might be	Analy	i arg	Collar Dip	Elev.
Property Sullivan Commenced Completed Co-ordinates Dbjective colage Descr rom To Descr 3575.0 - 3599.0	District Western Location Core Size	Tests at Corr. Dip True Brg. % Recov. e with about 10x quartz ke beds are thick); bed of s are graded however there atures are obscured by 1 edding contacts and on 3 small scale tectonic fold Cleavage chlorites are pi core: 72° to 14° on of e the 14° limb) € 3577', 7 35° (same), 43° and 24° (; € 3598.5'. s, core is shattered with Slickensides are not strongly developed para ractures sub-parallel to	Hor. Comp. Vert. Comp. Logged by Date wacke; medium grey; medium contacts distinct to vague are some argillite dominated bit grooving. Slickensides fractures subparallel or at ds and thrusts are developed lentiful. Bedding/cleavage oposite limb/22° (in same 75°/22° (opposite) @ 3589', in same sense on overturned 3 incohesive zones recovered. as abundant as might be allel to bedding, sometimes b bedding. On one steep	Analy	i arg	Collar Dip	Elev.
Property Sullivan Commenced Completed Co-ordinates Dbjective colage Descr rom To Descr 3575.0 - 3599.0	District Western Location Core Size	Tests at Corr. Dip True Brg. % Recov. e with about 10x quartz ke beds are thick); bed of s are graded however there atures are obscured by 1 edding contacts and on 3 small scale tectonic fold Cleavage chlorites are pi core: 72° to 14° on of e the 14° limb) € 3577', 7 35° (same), 43° and 24° (; € 3598.5'. s, core is shattered with Slickensides are not strongly developed para ractures sub-parallel to	Hor. Comp. Vert. Comp. Logged by Date wacke; medium grey; medium contacts distinct to vague are some argillite dominated bit grooving. Slickensides fractures subparallel or at ds and thrusts are developed lentiful. Bedding/cleavage oposite limb/22° (in same 75°/22° (opposite) @ 3589', in same sense on overturned 3 incohesive zones recovered. as abundant as might be allel to bedding, sometimes b bedding. On one steep	Analy	i arg	Collar Dip	Elev.
Property Sullivan Commenced Completed Co-ordinates Dbjective colage Descr rom To Descr 3575.0 - 3599.0	District Western Location Core Size	Tests at Corr. Dip True Brg. % Recov. e with about 10x quartz ke beds are thick); bed of s are graded however there atures are obscured by 1 edding contacts and on 3 small scale tectonic fold Cleavage chlorites are pi core: 72° to 14° on of e the 14° limb) € 3577', 7 35° (same), 43° and 24° (; € 3598.5'. s, core is shattered with Slickensides are not strongly developed para ractures sub-parallel to	Hor. Comp. Vert. Comp. Logged by Date wacke; medium grey; medium contacts distinct to vague are some argillite dominated bit grooving. Slickensides fractures subparallel or at ds and thrusts are developed lentiful. Bedding/cleavage oposite limb/22° (in same 75°/22° (opposite) @ 3589', in same sense on overturned 3 incohesive zones recovered. as abundant as might be allel to bedding, sometimes b bedding. On one steep	Analy	i arg	Collar Dip	Elev.
Property Sullivan Commenced Completed Co-ordinates Dbjective colage Descr rom To Descr 3575.0 - 3599.0	District Western Location Core Size	Tests at Corr. Dip True Brg. % Recov. e with about 10× quartz ke beds are thick); bed of s are graded however there atures are obscured by 1 edding contacts and on 3 small scale tectonic fold Cleavage chlorites are pi core: 72° to 14° on of e the 14° limb) @ 3577', 3 35° (same), 43° and 24° (: @ 3598.5'. s, core is shattered with Slickensides are not strongly developed para ractures sub-parallel to face (12° to core at 3613°	Hor. Comp. Vert. Comp. Logged by Date wacke; medium grey; medium contacts distinct to vague e are 50me argillite dominated bit grooving. Slickensides fractures subparallel or at is and thrusts are developed lentiful. Bedding/cleavage oposite limb/22° (in same 75°/22° (opposite) @ 358°, in same sense on overturned 3 incohesive zones recovered. as abundant as might be allel to bedding, sometimes b bedding. On one steep ') the slickenside lineation z wacke and lesser guartz	Analy	i arg	Collar Dip	Elev.
Property Sullivan Commenced Completed Co-ordinates Dijective colage Descr 3575.0 - 3599.0 3599.0 - 3620.0	District Western Location Core Size iption Wacke, subwacke and argillit and thin bedded (the quartz wac and flat to irregular; many bed intervals in which internal fe are commonly developed on b a small angle to bedding. Very in the argillaceous intervals. (sense relative to bedding) to sense as 72° limb and opposit 84° (enveloping small thrusts)/ limb)/35° (same, axial planar) Fault zone, 10 feet of core los Predominant lithotype is wacke. expected, but they are most parallel to cleavage or other f highly polished elickenside sur is parallel to bedding. Wacke, subwacke and argillite w arenite. Bed thickness and	Tests at Corr. Dip True Brg. % Recov. % Recov. e with about 10× quartz ke beds are thick); bed of s are graded however there atures are obscured by 1 edding contacts and on the small scale tectonic fold Cleavage chlorites are pl edding contacts and on the small scale tectonic fold Cleavage chlorites are pl e the 14° limb) € 3577', 5 35° (same), 43° and 24° (the \$ strongly developed part strongly developed part face (12° to core at 3613' with a few beds of quarts proportion of latter two	Hor. Comp. Vert. Comp. Logged by Date Date wacke; medium grey; medium contacts distinct to vague are some argillite dominated bit grooving. Slickensides fractures subparallel or at is and thrusts are developed Lentiful. Bedding/cleavage oposite limb/22° (in same 750/22° (opposite) @ 3589', in same sense on overturned 3 incohesive zones recovered. as abundant as might be allel to bedding, sometimes bedding. On one steep ) the slickenside lineation z wacke and lesser quartz b lithotypes increases with	Analy	i arg	Collar Dip	Elev
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Property Sullivan Commenced Completed Co-ordinates Dijective colage Descr 3575.0 - 3599.0 3599.0 - 3620.0	District Western Location Core Size iption Wacke, subwacke and argillit and thin bedded (the quartz wac and flat to irregular; many bed intervals in which internal fe are commonly developed on b a small angle to bedding. Very in the argillaceous intervals. (sense relative to bedding) to sense as 72° limb and opposit 84° (enveloping small thrusts)/ limb)/39° (same, axial planar) Fault zone, 10 feet of core los Predominant lithotype is wacke. expected, but they are most parallel to cleavage or other f highly polished slickenside sur is parallel to bedding. Wacke, subwacke and argillite w arenite. Bed thickness and depth; medium grey; medium and below; bed contacts sharp t of interval is broken; beds ar	Tests at Corr. Dip True Brg. % Recov. % Recov. % Recov. a very state of the s	Hor. Comp. Vert. Comp. Logged by Date Date wacke; medium grey; medium contacts distinct to vague e are some argillite dominated bit grooving. Slickensides fractures subparallel or at ds and thrusts are developed lentiful. Bedding/cleavage oposite limb/22° (in same 75°/22° (opposite) @ 3589', In same sense on overturned 3 incohesive zones recovered. as abundant as might be allel to bedding, sometimes b bedding. On one steep ') the slickenside lineation c wacke and lesser quartz b lithotypes increases with re rare above 3698', common sqular (flames noted), much a are uniform, above 3698'	Analy	i arg	Collar Dip	Elev.
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Property Sullivan Commenced Completed Co-ordinates Dijective colage Descr 3575.0 - 3599.0 3599.0 - 3620.0	District Western Location Core Size iption Wacke, subwacke and argillit and thin bedded (the quartz wac and flat to irregular; many bed intervals in which internal fe are commonly developed on b a small angle to bedding. Very in the argillaceous intervals. (sense relative to bedding) to sense as 72° limb and opposit 84° (enveloping small thrusts)/ limb)/39° (same, axial planar) Fault zone, 10 feet of core los Predominant lithotype is wacke. expected, but they are most parallel to cleavage or other f highly polished slickenside sur is parallel to bedding. Wacke, subwacke and argillite w arenite. Bed thickness and depth; medium grey; medium and below; bed contacts sharp t of interval is broken; beds ar a few of the thicker beds has several calcareous beds (usuall of beds (up to 5 cm), the few	Tests at Corr. Dip True Brg. % Recov. % Re	Hor. Comp. Vert. Comp. Logged by Date Date wacke; medium grey; medium contacts distinct to vague e are some argillite dominated bit grooving. Slickensides fractures subparallel or at ds and thrusts are developed lentiful. Bedding/cleavage oposite limb/22° (in same 75°/22° (opposite) @ 3589', in same sense on overturned 3 incohesive zones recovered. as abundant as might be allel to bedding, sometimes bedding. On one steep ') the slickenside lineation c wacke and lesser quartz bithotypes increases with re rare above 3698', common agular (flames noted), much a are uniform, above 3698' nite base. Above 3695' are sional calcareous portions are calcareous. Subwacke-	Analy	i arg	Collar Dip	Elev.
Property Sullivan Commenced Completed Co-ordinates Dijective colage Descr 3575.0 - 3599.0 3599.0 - 3620.0	District Western Location Core Size iption Wacke, subwacke and argillit and thin bedded (the quartz wac and flat to irregular; many bed intervals in which internal fe are commonly developed on b a small angle to bedding. Very in the argillaceous intervals. (sense relative to bedding) to sense as 72° limb and opposit 84° (enveloping small thrusts)/ limb)/39° (same, axial planar) Fault zone, 10 feet of core los Predominant lithotype is wacke. expected, but they are most parallel to cleavage or other f highly polished slickenside sur is parallel to bedding. Wacke, subwacke and argillite w arenite. Bed thickness and depth; medium grey; medium and below; bed contacts sharp t of interval is broken; beds ar a few of the thicker beds ha several calcareous beds (usuall of beds (up to 5 cm), the few argillite portions of two thick	Tests at Corr. Dip True Brg. % Recov. % Recov. e with about 10x quartz ke beds are thick); bed of s are graded however there atures are obscured by 1 edding contacts and on 3 small scale tectonic fold Cleavage chlorites are pi core: 72° to 14° on of e the 14° limb) € 3577', 5 35° (same), 43° and 24° (: @ 3598.5'. s, core is shattered with Slickensides are not strongly developed para ractures sub-parallel to face (12° to core at 3613° with a few beds of quartz proportion of latter two thin bedded, thick beds and o vague and flat to irro e generally graded, some we a 3-10 cm quartz area y thicker beds) and occaa cross laminated intervals beds between 3675 - 3680°	Hor. Comp. Vert. Comp. Logged by Date Date wacke; medium grey; medium contacts distinct to vague a re some argillite dominated bit grooving. Slickensides fractures subparallel or at is and thrusts are developed Lentiful. Bedding/cleavage oposite limb/22° (in same 750/22° (opposite) @ 3589', In same sense on overturned 3 incohesive zones recovered. as abundant as might be allel to bedding, sometimes bedding. On one steep bedding. On one steep bedding. Con steep bedding. Sometimes bedding. Sometimes bedding. Sometimes bedding. Con steep bedding. Con steep bedding. Sometimes bedding. Sometimes bedding. Sometimes bedding. Sometimes bedding. Sometimes bedding. Con steep bedding. Con steep bedding. Con steep bedding. Sometimes bedding. Sometimes	Analy	i arg	Collar Dip	
Property Sullivan Commenced Completed Co-ordinates Dijective colage Descr 3575.0 - 3599.0 3599.0 - 3620.0	District Western Location Core Size iption Wacke, subwacke and argillit and thin bedded (the quartz wac and flat to irregular; many bed intervals in which internal fe are commonly developed on b a small angle to bedding. Very in the argillaceous intervals. (sense relative to bedding) to sense as 72° limb and opposit 84° (enveloping small thrusts)/ limb)/39° (same, axial planar) Fault zone, 10 feet of core los Predominant lithotype is wacke. expected, but they are most parallel to cleavage or other f highly polished slickenside sur is parallel to bedding. Wacke, subwacke and argillite w arenite. Bed thickness and depth; medium grey; medium and below; bed contacts sharp t of interval is broken; beds ar a few of the thicker beds has several calcareous beds (usuall of beds (up to 5 cm), the few	Tests at Corr. Dip True Brg. % Recov. % Recov. e with about 10x quartz ke beds are thick); bed of s are graded however there atures are obscured by 1 edding contacts and on 3 small scale tectonic fold Cleavage chlorites are pi core: 72° to 14° on of e the 14° limb) € 3577', 5 35° (same), 43° and 24° (: @ 3598.5'. s, core is shattered with Slickensides are not strongly developed para ractures sub-parallel to face (12° to core at 3613° with a few beds of quartz proportion of latter two thin bedded, thick beds and o vague and flat to irro e generally graded, some we a 3-10 cm quartz area y thicker beds) and occaa cross laminated intervals beds between 3675 - 3680°	Hor. Comp. Vert. Comp. Logged by Date Date wacke; medium grey; medium contacts distinct to vague a re some argillite dominated bit grooving. Slickensides fractures subparallel or at is and thrusts are developed Lentiful. Bedding/cleavage oposite limb/22° (in same 750/22° (opposite) @ 3589', In same sense on overturned 3 incohesive zones recovered. as abundant as might be allel to bedding, sometimes bedding. On one steep bedding. On one steep bedding. Con steep bedding. Sometimes bedding. Sometimes bedding. Sometimes bedding. Con steep bedding. Con steep bedding. Sometimes bedding. Sometimes bedding. Sometimes bedding. Sometimes bedding. Sometimes bedding. Con steep bedding. Con steep bedding. Con steep bedding. Sometimes bedding. Sometimes	Analy	i arg	Collar Dip	

Bcale Drill Hole Record Page 18 aonima Colour Fiel A Days DDH6464 District Hole No. Property Sullivan Western Hor. Comp. Commenced Location Tests at **Core Size** Corr. Dip Vert. Comp. Completed ā Logged by True Brg. Co-ordinates Brg Coltar ength Claim % Recov. Date Objective Elev. C C -Analysis ootage Description To Slickensides noted on several bedding contacts, especially where lithologic contrast 3620.0 - 3725.0 is great, and on some fractures at small angle to bedding; one fracture parallels 20 cm of unbroken core has well developed slickenside lineation near-parallel to bedding (3658'). Bedding/cleavage (sense of dip relative to bedding) to core: 81° @ 3663', 86°/04° (opposite) @ 3647', 85°/10° (opposite) @ 3665', 87°/20° (same) (Cont'd.) @ 3678', 78º/22º (sume) @ 3688', 72º @ 3714'. 3725.0 - 3731.0 About 3' short. Fault zone gouge, light grey fine clay with grit and small rock fragments. Quartz arenite and quartz wacke; medium grey; thick bedded; no bed contacts observed. Fractures common, from 0° to  $25^\circ$  to core. At 3732' is a 10 cm gouge zone containing 3731.0 - 3740.0 rock fragments to 1 cm across. Wacke, subwacke and argillite; medium grey; thin bedded; bed contacts sharp or 3740.0 - 3751.0 distinct to flat (most) or wavy. Bedding to core 57° at 3745'. Wacke and quartz wacke, minor more argillaceous rock; medium grey; commonly broken 3751.0 - 3793.0 but seess mostly medium bedded, probably some thick beds; contacts rare. Rock is crushed in broken zones, rarely see slickensides until last 5 feet. Minor gouge noted, mainly in last 5 feet. Quartz arenite, quartz wacke and wacke, medium to light grey; thick bedded; bed 3793.0 - 3809.0 contacts broken, vague. Wacke, subwacke and argillite; medium grey; medium and thin bedded and a few lamina-3809.0 - 3828.0 tions; to 3815' several beds have been disaggregated and have rip up clasts or a shredded appearance; bed contacts are sharp and flat to wavy. Two graded beds have quartz arenite bases, one is calcareous and the other has calcareous patches. Bedding to core:  $47^{\circ}$  # 3810',  $43^{\circ}$  # 3822', small fold at 3824' where bedding Bedding to core: 47° # 3810', 43° to core is 0° over 1 cm, 43° # 3828'. 211-8-37 Drill Hole Record Page 19 Hole No. DDH6464 Sullivan District Western

roperty Sullivan	District Hest			1 1	•		1	
Commenced	Location	Tests at	Hor. Comp.					
Completed	Core Size	Corr. Dip	Vert. Comp.					
Co-ordinates		True Brg.	Logged by			ā		_
)bjective		% Recov.	Date		T Brg.	Collar	Elev.	-ength
						18	۵.	٤
Descri	ption			Analy	ysis	1		·
om To	•	· · · · · · · · · · · · · · · · · · ·				<u> </u>		+
3828.0 - 3874.0	to very fine grained;	ke with wacke/subwacke/argillit thick bedded; bed contacts sh	arp and flat to wavy; beds					
		<pre>ip up clasts or shreds in upp limy). Small crush (some goug @ 3862'.</pre>					-	+
3874.0 - 4080.0	Nocks suburghy and argill	ite with less than 10% quart	T wacke shows 3995' and		<u> </u>		1	
874.0 - 4080.0	about 25% Quartz Wacke a	nd quartz arenite below; med	lium grey: medium with some			Ι.	T	
	thin and some thick beds,	especially below 3995'; bed c	contacts sharp to distinct		1	1		+
	and generally flat or st	ructurally irregular; most bed	are graded but otherwise		╂			+
		noted between 3874 and 3886', f			ļ	<u> </u>	<b>_</b>	_
		low 4010', one unusual bed fr r containing irregular blebs, p			1	<u> </u>		
	area cuartz wacke (probab	ly an unstable sediment that di	saggregated). This entire		Γ			Τ
		t often strong tectonic overpri			1	1	$\uparrow$	┢
	3874 - 3891' are many sh	redded thin bedded intervals an	d abundant cleavage chlorite.				1	1
	3891 - 3916 within this cohesive.	interval are several zones o Slickensides are <u>not</u> well d					Γ	Γ
		res with fine chlorite coat			1	1	-	1
		s to be fractured and healed.		· }	+		+-	
	ment is fro	m 3914 - 3916' where texture	is schistose (core angle		ļ	<b> </b>		4.
		and is accompanied by quartz se				1		
		this interval is parallel or wi						Γ
		core angel increases, at 4013.5 rushed rock fragments. Only			1-	+		+
		everal of the shredded thin h				+		
		cribed to syn-sedimentary te						

contrast and minor bleaching are contact metamorphic effects of

underlying intrusion.

811-9+

Property Su	livan	District Wester	n Hole No. [	DH6464						
Commenced		Location	Tests at	2110-20-4	Hor. Comp.					
	<u> </u>	Core Size	Corr. Dip		Vert. Comp.					
Completed		0018 0128	True Brg.		Logged by				aio	
Co-ordinates				-			.	ġ,		
Objective			% Recov.		Date			Erg.	Collar	Elow
Footage	Description	···· · · · · · · · · · · · · · · · · ·			·····		naly		10	
From To	Description				· · · · · · · · · · · · · · · · · · ·					
3874.0 - 40	80.0 Bedding	g/cleavage (sense of	cleavage relative to i	bedding): 13° @	3875', 25º @3876	•.			ļ	
(Cont'd.)			@ 3903', 04° @ 3920',					· .		
			)° (opposite)@ 3922 1), 20°/0° @ 3927′, (					w		_
	3938',	14° @ 3950', 05° @ 3	965', (at 3975' is a	small fold consi	istent with overtu	rned			I	_
			0 @ 3990', 00°/60° 037', 40° @ 4047', 45			<del>ن</del> ا (	-+		<b> </b>	_
	·						_			-
4080.0 - 44			a zone of about 40 m of sediment, and 15							_
			orm gabbro, at first i							
ļ			conformable contact				_]			
			coarse grained to 420 5'. Basal contact is a				T	_	1	T
1	veins n	noted, one at 4115' i	s yellowish (ankerite	+ quartz) has a	a sheared appearant	. Ē			1	1
1			from 4254 - 4257' white and contains						1	
1		te), 4289 - 4293' (15 . Pyrrhotite is pres		JOA GINELIUU/	unu 4000 - 400	• -			1	+
	• •	•			• <b>-1</b> +o <u>-</u>	. <b>_</b> -			1	╉
4456.0 - 44	to dark	k grey; medium and th	te, unusually hard be ain bedded; bed contact	ts sharp and fla	it; beda some proba	ably 🗌			+	+
	origina	ally quartz wacke,	often internally la	minated, cross 1	laminations noted :	in			+	+
	upper 1	to feet of interval.	Bedding to core 60° (	8 4401, 450 8 4	140V." 497.6 4474.	• -				+
4494.0 - 45			z arenite; medium to							+
	contact	ts distinct to vague 7 - 4508' core is f	, some flat (not all : Tractured (not broken)	seen as core is ) above a small	moderately broken: crush zone (5)	-				
			s) at 60° to core ov							-
	with sl	lip surfaces.				-				_
							I		1	- 1
						• •		<u> </u>		
						•				
Drill Hole F	Becord					·				
Drill Hole F	Record				CominCO Page 21					
	Record	District Western	Hole No.	DDH6464	CominCO Page 21	•				
Su1		District Western Location	Hole No. Tests at	DDH6464	CominCO Page 21 Hor. Comp.					
Property Sul Commenced		Bidthot		DDH6464						
Property Sul Commenced Completed		Location	Tests at	DDH6464	Hor. Comp.				Dip	
Property Sul Commenced Completed Co-ordinates		Location	Tests at Corr. Dip True Brg.	DDH6464	Hor. Comp.				tlar Dip	<u> </u>
Property Sul Commenced Completed		Location	Tests at Corr. Dip	DDH6464	Hor. Comp. Vert. Comp.		T Bro.		Collar Dip	Elev.
Property Sul Commenced Completed Co-ordinates Objective		Location	Tests at Corr. Dip True Brg.	DDH6464	Hor. Comp. Vert. Comp.				Collar Dip	Elev.
Property Sull Commenced Completed Co-ordinates Objective	l i van	Location Core Size	Tests at Corr. Dip True Brg. % Recov.		Hor. Comp. Vert. Comp. Logged by Date	An	<u> </u>		Collar Dip	Elev.
Property Sul Commenced Completed Co-ordinates Objective	Description 3.5 Wacke, #	Location Core Size subwacke and argillit	Tests at Corr. Dip True Brg. % Recov. % Recov.	dium bedded; )	Hor. Comp. Vert. Comp. Logged by Date	P An	<u> </u>		Collar Dip	Elev.
Property Sull Commenced Completed Co-ordinates Objective Footage From To	Description 3.5 Wacke, a to vague tions.	Location Core Size subwacke and argillit e and flat; below 45 Several bed contacts	Tests at Corr. Dip True Brg. % Recov. % Recov. te; medium grey; me 515' most beds have fo 5 have chloritic slick	dium bedded; 1 int internal fl enside surfaces	Hor. Comp. Vert. Comp. Logged by Date Date bed contacts shar at parallel lamina . Bedding/cleavag	P -	<u> </u>		Collar Dip	Elev.
Property Sull Commenced Completed Co-ordinates Objective Footage From To	Description 3.5 Wacke, a to vague tions.	Location Core Size subwacke and argillit e and flat; below 45 Several bed contacts	Tests at Corr. Dip True Brg. % Recov. % Recov.	dium bedded; 1 int internal fl enside surfaces	Hor. Comp. Vert. Comp. Logged by Date Date bed contacts shar at parallel lamina . Bedding/cleavag	P -	<u> </u>		Collar Dip	Elev.
Property Sul Commenced Completed Co-ordinates Objective Footage From To 4510.5 - 452	Description 3.5 Wacke, a to vague tions. dipping	Location Core Size subwacke and argillit e and flat; below 45 Several bed contacts in opposite sense, t	Tests at Corr. Dip True Brg. % Recov. % Recov. te; medium grey; me 515' most beds have fa 5 have chloritic slick to core: 59° @ 4511',	dium bedded; ) int internal flu enside surfaces 52°/22° @ 4516'	Hor. Comp. Vert. Comp. Logged by Date bed contacts shar at parallel lamina . Bedding/cleavag , 60° @ 4520'.	P - e	<u> </u>		Collar Dip	Elev.
Property Sull Commenced Completed Co-ordinates Objective Footage From To	Description 3.5 Wacke, s to vague tions. dipping 6.0 Quartz light gr	Location Location Core Size subwacke and argillit e and flat; below 45 Several bed contacts in opposite sense, t wacke, some beds rey; thick bedded wi	Tests at Corr. Dip True Brg. % Recov. % Recov. 515' most beds have fo 515' most beds have fo 5 have chloritic slick to core: 59° @ 4511', possibly quartz are ith some medium and	dium bedded; 1 int internal fl enside surfaces 52°/22° @ 4516' nite, calcareou thin beds to w	Hor. Comp. Vert. Comp. Logged by Date bed contacts shar at parallel lamina . Bedding/cleaveg , 60° @ 4520'. s above 4526' only acke, subwacke an	An 	<u> </u>		Collar Dip	Elev.
Property Sul Commenced Completed Co-ordinates Objective Footage From To 4510.5 - 452	Description 3.5 Wacke, a to vague tions. dipping 6.0 Quartz light gr argillit	Location Location Core Size subwacke and argillit e and flat; below 45 Several bed contacts in opposite sense, t wacke, some beds rey; thick bedded wi te above 4531'; bed	Tests at Corr. Dip True Brg. % Recov. % Recov. 515' most beds have fa s have chloritic slick to core: 590 @ 4511', possibly quartz are ith some medium and contacts usually sh	dium bedded; 1 int internal fli enside surfaces 52°/22° @ 4516' nite, calcareou thin beds to wa arp and flat, a	Hor. Comp. Vert. Comp. Logged by Date Date bed contacts shar at parallel lamina Bedding/cleavag , 60° @ 4520'. s above 4526' only acke, subwacke an some wavy; one be	An 	<u> </u>		Collar Dip	Elev.
Property Sul Commenced Completed Co-ordinates Objective Footage From To 4510.5 - 452	Description 3.5 Wacke, a to vague tions. dipping 6.0 Quartz light gr argillit from 452	Location Core Size subwacke and argillit e and flat; below 45 Several bed contacts in opposite sense, t wacke, some beds rey; thick bedded wi te above 4531'; bed 26-27' is coarse grai	Tests at Corr. Dip True Brg. % Recov. % Recov. 515' most beds have fo 515' most beds have fo 5 have chloritic slick to core: 59° @ 4511', possibly quartz are ith some medium and	dium bedded; h int internal fl enside surfaces 52°/22° @ 4516' nite, calcareou thin beds to w arp and flat, a and most are ;	Hor. Comp. Vert. Comp. Logged by Date bed contacts shar at parallel lamina . Bedding/cleavag , 60° @ 4520'. s above 4526' only acke, subwacke an some wavy; one be fine grained mos	An P	<u> </u>		Collar Dip	Elev.
Property Sul Commenced Completed Co-ordinates Objective Footage From To 4510.5 - 452	Description 3.5 Wacke, a to vague tions. dipping 6.0 Quartz light gr argillit from 452 beds ha vague cz	Location Core Size Subwacke and argillit e and flat; below 45 Several bed contacts in opposite sense, t wacke, some beds rey; thick bedded wi te above 4531'; bed 26-27' is coarse grai ave vague internal rosscutting bleached	Tests at Corr. Dip True Brg. % Recov. % Recov. te; medium grey; me 515' most beds have fa 515' most beds have fa th some medium and contacts usually sh ined, some are medium features mainly co fractures are common.	dium bedded; 1 int internal fl enside surfaces 52°/22° @ 4516' nite, calcareou thin beds to w arp and flat, a and most are ; ntacts that ind Black argilli	Hor. Comp. Vert. Comp. Logged by Date Date bed contacts shar at parallel lamina . Bedding/cleavag , 60° @ 4520'. s above 4526' only acke, subwacke an some wavy; one be fine grained; mos icate amalgamation te clast 0.5 X 2c	An 	<u> </u>		Collar Dip	Elev.
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Property         Sull           Commenced         Completed           Co-ordinates         Objective           Prom         To           4510.5         -         452           4523.5         -         454           4546.0         -         455           4556.5         -         456	Description 3.5 Wacke, a to vague tions. dipping 6.0 Quartz light gr argillit fron 452 beds ha vague cr @ 4535'. develope 6.5 Wacke, a bed cont several 600 @ 45 6.5 Quartz v bed cont several 6.5 Quartz v bed cont several 6.5 Quartz v bed cont several 6.5 Quartz v bed cont several 6.5 Quartz v bed cont	Location Core Size Core Size Subwacke and argillit e and flat; below 45 Several bed contacts in opposite sense, t wacke, some beds rey; thick bedded wi te above 4531'; bed 26-27' is coarse grai ave vague internal rosscutting bleached . Several bed cont ed slickenside surfact subwacke and argillit tacts sharp to dist small lithic clasts, 549', 60° @ 4556'. wacke and quartz are tacts distinct, flat ed slickensides on se subwacke and argil	Tests at Corr. Dip True Brg. % Recov. te; medium grey; me 515' most beds have fa 5 have chloritic slick to core: 59° @ 4511', possibly quartz are ith some medium and contacts usually sh ined, some are medium features mainly co fractures are common. tacts, especially in ces. Bedding to core te; medium to dark gre tinct and flat (one , several of the bed enite; medium to light and wavy; beds hom everal broken fragment lite; medium grey; st beds are graded,	dium bedded; M int internal fl enside surfaces 52°/22° @ 4516' nite, calcareou thin beds to wa arp and flat, i and most are i ntacts that ind Black argillit more argillaceo 73° @ 4527', 66' y; medium, thin wavy); in upper s are graded. grey; fine gra ogenous with s at 4564'. medium bedded, three have bla	Hor. Comp. Vert. Comp. Logged by Date bed contacts shar at parallel lamina . Bedding/cleavag , 60° @ 4520'. s above 4526' only acke, subwacke an some wavy; one be fine grained; mos icate amalgamation te clast 0.5 X 2c us zones, have wel ° @ 4535', 61° @ 4 bedded and lamina r 2 feet beds hav Bedding to cor ined; thick bedded graded tops. Wel few thin beds; be ck argillite clast	An P - e d d t - - - - - - - - - - - - -	<u> </u>		Cottar Dip	
Property         Sull           Commenced         Completed           Co-ordinates         Objective           Prom         To           4510.5         -         452           4523.5         -         454           4546.0         -         455           4556.5         -         456	Description 3.5 Wacke, s to vague tions. dipping 6.0 Quartz light gr argillit from 452 beds ha vague cr @ 4535'. develope 6.5 Wacke, s bed cont several 60° @ 45 6.5 Quartz v bed cont several 60° @ 45 6.5 Quartz to bed cont several 60° @ 45 6.5 Quartz to bed cont several 60° @ 45 6.5 Quartz to bed cont several 6.0 Quartz to bed cont several 6.0 Quartz to bed cont several 6.5 Quartz to bed cont develope	Location Core Size Core Size Core Size Core Size Location Core Size subwacke and argillit e and flat; below 45 Several bed contacts in opposite sense, t wacke, some beds rey; thick bedded wi te above 4531'; bed 26-27' is coarse grai ave vague internal rosscutting bleached . Several bed cont ed slickenside surfac subwacke and argillit tacts sharp to dist small lithic clasts, 549', 60° @ 4556'. wacke and quartz are tacts distinct, flat ed slickensides on se subwacke and argil s sharp and flat; most 2 cm with rare ver	Tests at Corr. Dip True Brg. % Recov. % Recov. True Brg. % Recov. True Brg. % Recov. True Brg. % Recov. Total and share fa 515' most beds have fa 515' most beds have fa 515' most beds have fa s have chloritic slick to core: 59° @ 4511', possibly quartz are ith some medium and contacts usually sh ined, some are medium features mainly co fractures are common. tacts, especially in ces. Bedding to core te; medium to dark gre tinct and flat (one , several of the bed enite; medium to light and wavy; beds hom everal broken fragment llite; medium grey;	dium bedded; 1 int internal fl enside surfaces 52°/22° @ 4516' nite, calcareou thin beds to w arp and flat, : and most are : ntacts that ind. Black argillit more argillaceo 73° @ 4527', 66' y; medium, thin wavy); in uppe s are graded. grey; fine gra ogenous with s at 4564'. medium bedded, three have blac d these are shr	Hor. Comp. Vert. Comp. Logged by Date bed contacts shar at parallel lamina . Bedding/cleavag , 60° @ 4520'. s above 4526' only acke, subwacke an some wavy; one be fine grained; mos icate amalgamation te clast 0.5 X 2c us zones, have wel ° @ 4535', 61° @ 4 bedded and lamina r 2 feet beds hav Bedding to cor ined; thick bedded graded tops. Wel few thin beds; be ck argillite clast	An P - e d d t - - - - - - - - - - - - -	<u> </u>			Elev
Property         Su1           Commenced         Completed           Co-ordinates         Objective           Footage         From           From         To           4510.5         -           4523.5         -           4526.5         -           4556.5         -           4566.5         -	Description 3.5 Wacke, a tions. dipping 6.0 Quartz light gr argillit from 455 beds ho vague cr @ 4535'. develope 6.5 Wacke, a bed cont several 600 @ 45 6.5 Quartz v bed cont develope 2.0 Wacke, contacta to 1 X bed cont	Location Core Size Core Size Core Size Core Size Location e and flat; below 45 Several bed contacts in opposite sense, t wacke, some beds rey; thick bedded wi te above 4531'; bed 26-27' is coarse grai ave vague internal rosscutting bleached . Several bed cont ed slickenside surface subwacke and argillit tacts sharp to dist small lithic clasts, 549', 60° @ 4556'. wacke and quartz are tacts distinct, flat ed slickensides on se subwacke and argill s sharp and flat; mod 2 cm with rare ver tact is flat. Beddir	Tests at Corr. Dip True Brg. % Recov. te; medium grey; me 515' most beds have fa s have chloritic slick to core: 59° @ 4511', possibly quartz are ith some medium and contacts usually sh ined, some are medium features mainly co fractures are common. tacts, especially in ces. Bedding to core te; medium to dark gre tinct and flat (one , several of the bed enite; medium to light and wavy; beds hom everal broken fragment llite; medium grey; st beds are graded, ry fine argillite an mg to core 60° @ 4568'	dium bedded; 1 int internal fl enside surfaces 52°/22° @ 4516' nite, calcareout thin beds to wa arp and flat, i ntacts that ind. Black argilli more argillaceou 73° @ 4527', 66' y; medium, thin wavy); in upper s are graded. grey; fine gra. ogenous with s at 4564'. medium bedded, three have black d these are shra	Hor. Comp. Vert. Comp. Logged by Date Date Ded contacts shar at parallel lamina . Bedding/cleavag , 60° @ 4520'. s above 4526' only acke, subwacke an some wavy; one be fine grained, mos icate amalgamation te clast 0.5 X 2c us zones, have wel ° @ 4535', 61° E 4 bedded and lamina r 2 feet beds hav Bedding to cor ined; thick bedded graded tops. Wel few thin beds; be ck argillite clast edded yet overlyin	An P - e d d t - - - - - - - - - - - - -	<u> </u>			Elev.
Property         Sull           Commenced         Completed           Co-ordinates         Objective           Prom         To           4510.5         -         452           4523.5         -         454           4546.0         -         455           4556.5         -         456	Description 3.5 Wacke, a to vague tions. dipping 6.0 Guartz light gr argillit fron 452 beds ha vague cr @ 4535'. develope 6.5 Wacke, a bed cont several 60° @ 45 6.5 Quartz v bed cont several 6.0 Quartz v bed cont develope 2.0 Wacke, contacte to 1 X bed cont	Location Core Size Core Size Subwacke and argillit e and flat; below 45 Several bed contacts in opposite sense, t wacke, some beds rey; thick bedded wi te above 4531'; bed 26-27' is coarse grai ave vague internal rosscutting bleached . Several bed cont ed slickenside surfac subwacke and argillit tacts sharp to dist small lithic clasts, 549', 60° @ 4556'. wacke and quartz are tacts distinct, flat ed slickensides on se subwacke and argil s charp and flat; moo 2 cm with rare ver tact is flat. Beddir wacke and quartz are	Tests at Corr. Dip True Brg. % Recov. % Recov. te; medium grey; me 515' most beds have fa 5 have chloritic slick to core: 59° @ 4511', possibly quartz are ith some medium and contacts usually sh ined, some are medium features medium and contacts usually sh ined, some are medium features are common. tacts, especially in ces. Bedding to core te; medium to dark gre tinct and flat (one , several of the bed enite; medium to light and wavy; beds hom everal broken fragment llite; medium grey; st beds are graded, ry fine argillite an	dium bedded; M int internal fl enside surfaces 52°/22° @ 4516' nite, calcareou thin beds to wa and most are ; and most are ; ntacts that ind. Black argillit more argillaceo 73° @ 4527', 66' y; medium, thin wavy); in upper s are graded. grey; fine gra. ogenous with s at 4564'. medium bedded, three have bla d these are shru. medium grey;	Hor. Comp. Vert. Comp. Logged by Date Date Date Ded contacts shar at parallel lamina Bedding/cleavag , 60° @ 4520'. s above 4526' only acke, subwacke an some wavy; one be fine grained; mos icate amalgamation te clast 0.5 X 2c us zones, have wel 0 @ 4535', 61° @ 4 bedded and lamina r 2 feet beds hav Bedding to cor ined; thick bedded graded tops. Wel few thin beds; be ck argillite clast edded yet overlyin	An P - e d d d t - - - - - - - - - - - - -	<u> </u>			

211-9437

Drill Hole Record

Color Mat

Scale Scale



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Property	Sullivan	District	Western		DDH6464							
Commenced		Location		Tests at	······································	Hor. Comp.		-				
Completed		Core Size		Corr. Dip		Vert. Comp.		4				
Co-ordinates				True Brg.		Logged by		-	١.	ā		c
Objective				% Recov.		Date		Claim	Brg.	Collar Dip	Elev.	-ength
Collected						· · · · · · · · · · · · · · · · · · ·		10		<u>8</u>	ũ –	<u> </u>
Footage	Description							Anal	<u>ysis</u>	1	<u> </u>	
From To									t	1		
4580.0 - 4	586.0 Wacke, sub	wacke and	argillite, mi	nor quartz wa	cke; thin bedd	ed with 3 medium	beds;			f	ŀ	
-	bed contac	ts sharp a	nd flat; grad	ed, weak cro	as-laminations	noted at top o s (shredded) clas	fone ts in		╆	┥	┨╌╌╾┨	
	bed, top wacke matr	ix. Beddi:	ng/cleavage, d	ip in opposit	e sense, to co	re: 65º/35º @ 458	1'.				{}	
1									<b> </b>	. <b>.</b>		
4586.0 - 4	1599.0 Quartz are	nite, quar k beddedi	tz wacke with bed contacts d	istinct to di	ffuse and flat	g to argillite; to slightly irre	gular.	-	_		ļ	<u> </u>
	One 10 cm	cream colo	ured calcareou	s patch.			-		<u> </u>	<b>_</b>		
			dive to light	greve thin ()	edius) bedde	d and wacke, sub	wacke		<b>_</b>	<b>_</b>		
4599.0 - 4	and argill	iter medi	um grevs thin	bedded; cor	itacts sharp and	d flat to wavy, f	lames					
	noted: sos	t beds ar	e graded, one	contains a	black argilli	te clast 0.8 X	3 CR.					
	Bedding/cl	eavage, op	posite sense,	to beading: t	2°/65° @ 4605'	•						
4607.0 - 4	618.0 Quartz are	nite, gra	ded through q	uartz wacke	to argillite;	medium grey; thi	ck to					
	medium bed	ded; bed c	ontacts sharp	and flat to w	avy; graded, s	ome subwacke/argi	llite		1	1		1
	tops have								$\square$	1		
4618.0 - 4	1622.0 Wacke, su	bwacke an	d argilliter	medium to	dark grey; this	n bedded to lamin	ated;		<u>+</u>	+		
	bed contac	ts sharp	and flat wit o cor <b>e:</b> 60°/75	h short in 0 9 4621'.	ervals shread	ed. Bedding/clea	lvage,	1	+	+		
									·  - · ·	+		
4622.0 - 4	1634.0 Quartz wac	ke, some	quartz arenite	, some wacke,	, all grade to	subwacke or argil and laminations	lite; ; bed		+-	+		
	enet set s	sharn and	flat to wa	vv: tops of	some beds have	shredded apprear	ance;			–		
	bedding/cl	eavage, in	opposite sens	e, to core: (	3°/60° @ 4628'	•			₋			
		uneko nod	argillite wit	h 3 calcare	ous quartz wac	ke beda 4652 - 4	656';		. <b> </b>	<b>_</b>		
4634.0 - 4	nodium gr	av. madiu	m and thin	bedded. rar	a laminations;	bed contacts snar	p ana	I				-
	flat to wa	vy; beds	are graded, a	everal have	distinct light	grey argillite	tops,					L
									T			

ot	Drill Hole	e Recor	ď		Caminco	Page 23					
	Property	Sullivan	District	Western Hole No.	DDH6464						
	Commenced		Location	Tests at	Hor, Comp	•	-				
F	Completed		Core Size	Corr. Dip	Vert. Comp	).	4				
- F	Co-ordinates			True Brg.	Logged by	· · · · · · · · · · · · · · · · · · ·	4	.	ġ		ے ا
ľ	Objective			% Recov.	Date		Claim	r Brg.	Collar	Elev.	Length
L L								lysis			
	ootage	Descri	ption					lysis		·	
	form To 4634.0 - (Cont'd.)	4660.5	top portions of a fe	re primarily Bouma B lamina	shredded appearance. The ted, one has Bouma C cross- 670/400 g 4640', 730/380 g	laginations.					

Quartz wacke and wacke, possibly some beds quartz arenite, the basal 1 meter is a calcareous quartz arenite; light grey, thick bedded; bed contacts are sharp to distinct and flat; one two foot thick bed is a lithic wacke containing abundant small 1 - 3 mm elongate clasts and one large clast. Portions of the wacke, subwacke are laminited. One quartz wacke is a Bouma B turbidite. Bedding/cleawage, in opposite sense, to core:  $22^{\circ}/23^{\circ}$  # 4667', 59°/71° # 4675', 70° # 4678'. 4664.5 - 4684.0

Wacke, subwacke and argillite; medium grey; thin bedded and laminated; bed contacts sharp and flat; one zone of argillite rip-up clasts. 4684.0 - 4686.5

Quartz wacke; light grey; fine and medium grained; thick and very thick bedded; bed contacts distinct to vague and flat, probable amalgamation of some beds. About 2 cm of gouge and platy argillite at 4695'. At 4699' in argillaceous contact 4686.5 - 4706.0 are numerous calcareous prismatic laths.

Wacke, subwacke and argillite; medium grey; thin bedded to laminated with a few medium beds; bed contacts are sharp to distinct and flat to wavy, some shredded and disaggregated during tectonism. Calcareous masses as rectangular laths to equant or subrounded shapes are common below 4716'. Bedding/cleavage, in opposite sense to bedding, to core: 650/800 g 4711', 650 g 4724'. 4706.0 - 4725.0

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211-943

Property Su	llivan	District Western	Hole No. DDH6464						
Commenced		Location	Tests at	Hor. Comp.					
Completed		Core Size	Corr. Dip	Vert. Comp.					i
Co-ordinates			True Brg.	Logged by			ġ		ĺ
Objective		·	% Recov.	Date	Claim	Brg.	Collar		No.
Foolage	Descriptio	)n				lysis			<u>u</u>
From To		· · · · · · · · · · · · · · · · · · ·							F
4725.0 - 4			wacke' portions of which hav rey; thick to very thick						Γ
		(some amalgamated). From	4736 to 4738.5' core is :	fractured, some broken with					Ī
			gouge (mostly rock chips ( 40% chlorite matrix is prese						
			al fracture. A small amount loss at runs ending at 4738.						
									Ĺ
4740.0 - 4			e; medium grey;.thin bedded ( harp and flat; bedding/cleav(				$\rightarrow$		Ļ
	. t		@ 4743'. Small crush zone a		des				ŀ
· ·		• • •				-			┝
4749.0 - 4			ly thin tops graded to arg cm thick; fine grained; med						┢
	ł		nd flat to wavy; some cross			+			ł
1		•••	•			+	+		ŀ
4757.0 - 4			, argillite and quartzitic ds and a few thick beds; h			+	+		Ē
	t	lat, rarely slightly wavy;	a few beds a internally 1	laminated, and near top of		$\uparrow$	-		Γ
	T	ugerous bed contacts have		dding/cleavage, in opposite		T	T		Ĺ
			72°/45° @ 4769', 55°/14° @ ed in the more argillaceous }						Ĺ
4700 0			n upper part of interval po		"	1			-
4792.0 - 4		bout 40% of interval bed bas	ses are wacke, all beds grade		" _			_	Ĺ
1								- 1	٩.
	t			12.5 - 4814.0′ and 4827.0 - cts sharp, a few gradational	.				-
	t 4	830.0'; medium grey; thick a and flat (most), one flame	and medium bedded; bed contac noted, some are irregular	cts sharp, a few gradational and shredded 4812 - 4815';	• •				
Drill Hole	t 4 	830.0'; medium grey; thick a and flat (most), one flame	and medium bedded; bed contac	cts sharp, a few gradational and shredded 4812 - 4815';	• •				
	Record	1830.0'; medium grey; thick a ind flat (most), one flame wo dark grey rip-up clasts n	and medium bedded; bed contac noted, some are irregular noted. Slickensides present	cts sharp, a few gradational and shredded 4812 - 4815'; on some bed surfaces.	••				
Property S	t 4 	1830.0'; medium grey; thick a ind flat (most), one flame wo dark grey rip-up clasts n District Western	and medium bedded; bed contac noted, some are irregular	cts sharp, a few gradational and shredded 4812 - 4815', on some bed surfaces. COMMACO Page 25	•				
Property S Commenced	Record	1830.0'; medium grey; thick a ind flat (most), one flame wo dark grey rip-up clasts n	and medium bedded; bed contac noted, some are irregular noted. Slickensides present Hole No. DDH6464	cts sharp, a few gradational and shredded 4812 - 4815'; on some bed surfaces.	•				
Property S	Record	1830.0'; medium grey; thick a ind flat (most), one flame wo dark grey rip-up clasts n District Western Location	and medium bedded; bed contac noted, some are irregular noted. Slickensides present Hole No. DDH6464 Tests at	cts sharp, a few gradational and shredded 4812 - 4815'; on some bed surfaces. CommCO Page 25 Hor. Comp.	•		Dip		
Property S Commenced Completed	Record	1830.0'; medium grey; thick a ind flat (most), one flame wo dark grey rip-up clasts n District Western Location	and medium bedded; bed contac noted, some are irregular noted. Slickensides present Hole No. DDH6464 Tests at Corr. Dip	cts sharp, a few gradational and shredded 4812 - 4815'; on some bed surfaces. Commission Page 25 Hor. Comp. Vert. Comp.	•	Brg.	ilar Dip		.v.
Property S Commenced Completed Co-ordinates Objective	Record	1830.0'; medium grey; thick a ind flat (most), one flame .wo dark grey rip-up clasts n District Western Localion Core Size	and medium bedded; bed contac noted, some are irregular noted. Slickensides present Hole No. DDH6464 Tests at Corr. Dip True Brg.	cts sharp, a few gradational and shredded 4812 - 4815'; on some bed surfaces. Cominco Page 25 Hor. Comp. Vert. Comp. Logged by	Claim	T Brg.	Collar		ICIEV.
Property S Commenced Completed Co-ordinates	Record	1830.0'; medium grey; thick a ind flat (most), one flame .wo dark grey rip-up clasts n District Western Localion Core Size	and medium bedded; bed contac noted, some are irregular noted. Slickensides present Hole No. DDH6464 Tests at Corr. Dip True Brg.	cts sharp, a few gradational and shredded 4812 - 4815'; on some bed surfaces. Cominco Page 25 Hor. Comp. Vert. Comp. Logged by	•	H-	Collar		I I ICIEV.
Property S Commenced Completed Co-ordinates Objective Footage From To 4792.0 - 4	Record Sullivan	1830.0'; medium grey; thick a ind flat (most), one flame iwo dark grey rip-up clasts n District Western Location Core Size n ore broken 4837 - 4839'.	and medium bedded; bed contac noted, some are irregular noted. Slickensides present Hole No. DDH6464 Tests at Corr. Dip True Brg. % Recov.	cts sharp, a few gradational and shredded 4812 - 4815'; on some bed surfaces. CommCO Page 25 Hor. Comp. Vert. Comp. Logged by Date Crush rock with a calcite	Claim	H-	Collar	Clave	I I IEIEV.
Property S Commenced Completed Co-ordinates Objective Footage From To	Record Sullivan Descriptio	1830.0'; medium grey; thick a ind flat (most), one flame .wo dark grey rip-up clasts n District Western Localion Core Size n ore broken 4837 - 4839'. ein with slickensides on a ense to bedding, to core:	A small amount of gouge, bed contact at 4839.5'. Bed 750/570 @ 4804'; 600/900,	cts sharp, a few gradational and shredded 4812 - 4815', on some bed surfaces. Hor. Comp. Vert. Comp. Logged by Date Crush rock with a calcite dding/cleavage, in opposite	Claim	H-	Collar		I IEIEV.
Property S Commenced Completed Co-ordinates Objective Footage From To 4792.0 - 4	Record Sullivan Descriptio	1830.0'; medium grey; thick a ind flat (most), one flame iwo dark grey rip-up clasts n District Western Location Core Size n ore broken 4837 - 4839'. ein with slickensides on a	A small amount of gouge, bed contact at 4839.5'. Bed 750/570 @ 4804'; 600/900,	cts sharp, a few gradational and shredded 4812 - 4815', on some bed surfaces. Hor. Comp. Vert. Comp. Logged by Date Crush rock with a calcite dding/cleavage, in opposite	Claim	H-	Collar		
Property S Commenced Completed Co-ordinates Objective Footage From To 4792.0 - 4	Record Sullivan Descriptio 4847.0 C 4867.0 W	1830.0'; medium grey; thick a ind flat (most), one flame 	And medium bedded; bed contac noted, some are irregular noted. Slickensides present Hole No. DDH6464 Tests at Corr. Dip True Brg. % Recov. A small amount of gouge, bed contact at 4839.5'. Bed 750/570 @ 4804'; 600/900, 90 @ 4844'. te; dark grey; medium and	cts sharp, a few gradational and shredded 4812 - 4815'; on some bed surfaces. For comp. Vert. Comp. Logged by Date Crush rock with a calcite dding/cleavage, in opposite with S2 kink 6° in same thin bedded and laminated,	Claim	H-	Collar	Elau	
Property S Commenced Completed Co-ordinates Objective Footage From To 4792.0 - 4 (Cont'd.)	Record Sullivan Descriptio 4847.0 C v 4867.0 W	1830.0'; medium grey; thick a and flat (most), one flame wo dark grey rip-up clasts n District Western Location Core Size n ore broken 4837 - 4839'. ein with slickensides on a ense to bedding, to core: ense as bedding, @ 4828', 50 acke, subwacke and argillit wo thick quartz wacke beds 4 lat; laminations noted ar	A small amount of gouge, bed contact at 4839.5'. Bed 750/570 @ 4804'; bed contacts bed contact at 4839.5'. Bed bed contact at 4839.5'. Bed contact at 4863 - 4867'; bed contacts bed contact at 4839.5'. Bed contacts	cts sharp, a few gradational and shredded 4812 - 4815'; on some bed surfaces.		H-	Collar		
Property S Commenced Completed Co-ordinates Objective Footage From To 4792.0 - 4 (Cont'd.)	Record Sullivan Descriptio 1847.0 C 1867.0 W	1830.0'; medium grey; thick a ind flat (most), one flame iwo dark grey rip-up clasts n District Western Location Core Size n ore broken 4837 - 4839'. ein with slickensides on a ense to bedding, to core: ense as bedding, @ 4828', 50 acke, subwacke and argillit wo thick quartz wacke beds 4 lat; laminations noted ar ntervals of 10 to 20 cm. Ca	A small amount of gouge, bed contact at 4839.5'. Bed 750/570 @ 4804'; bed contacts bed contact at 9.5'. Bed	cts sharp, a few gradational and shredded 4812 - 4815', on some bed surfaces. CommCO Page 25 Hor. Comp. Vert. Comp. Logged by Date Crush rock with a calcite dding/cleavage, in opposite with 52 kink 6° in same thin bedded and laminated, sharp to gradational and ney are present throughtout s fo the laminites. Bedding		H-	Collar		
Property S Commenced Completed Co-ordinates Objective Footage From To 4792.0 - 4 (Cont'd.)	Record Sullivan Descriptio 4847.0 C 4867.0 W tf	1830.0'; medium grey; thick a ind flat (most), one flame iwo dark grey rip-up clasts n District Western Location Core Size n ore broken 4837 - 4839'. ein with slickensides on a ense to bedding, to core: ense as bedding, @ 4828', 50 acke, subwacke and argillit wo thick quartz wacke beds 4 lat; laminations noted ar ntervals of 10 to 20 cm. Ca	A small amount of gouge, bed contact at 4839.5'. Bed 750/570 @ 4804'; 600/900, 00 @ 4844'. bed contact at 4839.5'. Bed 750/570 @ 4804'; 600/900, 00 @ 4844'. bed contact at 4839.5'. Bed 750/570 @ 4804'; 600/900, 00 @ 4844'. bed contact at 4839.5'. Bed 750/570 @ 4804'; 600/900, 00 @ 4844'. bet contacts at 4839.5'. Bed 750/570 @ 4804'; 600/900, 00 @ 4844'.	cts sharp, a few gradational and shredded 4812 - 4815', on some bed surfaces. CommCO Page 25 Hor. Comp. Vert. Comp. Logged by Date Crush rock with a calcite dding/cleavage, in opposite with 52 kink 6° in same thin bedded and laminated, sharp to gradational and ney are present throughtout s fo the laminites. Bedding		H-	Collar		
Property S Commenced Completed Co-ordinates Objective Footage From To 4792.0 - 4 (Cont'd.)	Record Sullivan Descriptio 4847.0 G 4867.0 W 5 4867.0 W	1830.0'; medium grey; thick a and flat (most), one flame wo dark grey rip-up clasts n District Western Location Core Size n ore broken 4837 - 4839'. ein with Elickensides on a ense to bedding, to core: ense as bedding, @ 4828', 50 acke, subwacke and argillit wo thick quartz wacke beds 4 lat; laminations noted ar ntervals of 10 to 20 cm. Ca leavage, in opposite sens rains define the cleavage. acke, subwacke and argillite	A small amount of gouge, bed contact at 4839.5'. Bed 750/570 @ 4804'; 600/900, 00 @ 4844'. Test and the faint and the bed contact at 4839.5'. Bed 750/570 @ 4804'; 600/900, 00 @ 4844'. best dark grey; medium and 1863 - 4867'; bed contacts test often quite faint and the bedcareous laths noted in some se to bedding, to core: 46 best dark grey; thin bedded we	cts sharp, a few gradational and shredded 4812 - 4815'; on some bed surfaces.		H-	Collar		
Property S Commenced Completed Co-ordinates Objective From To 4792.0 - 4 (Cont'd.) 4847.0 - 4	Record Sullivan Descriptio 4847.0 C 4867.0 W 5 4867.0 W 5 5 4875.0 W	1830.0'; medium grey; thick a ind flat (most), one flame wo dark grey rip-up clasts n <u>Location</u> <u>Core Size</u> n ore broken 4837 - 4839'. ein with slickensides on a ense to bedding, to core: ense as bedding, @ 4828', 50 acke, subwacke and argillit wo thick quartz wacke beds 4 lat; laminations noted ar ntervals of 10 to 20 cm. Ca leavage, in opposite sens rains define the cleavage. acke, subwacke and argillite p to 30 cm thick; laminati ontacte are sharp and flat.	A small amount of gouge, bed contact at 4839.5'. Bed 750/570 g 4804'; bed contacts res dark grey; medium and 1863 - 4867'; bed contacts te often quite faint and th 11careous laths noted in some se to bedding, to core: 46 bed congrey; thin bedded withous are faint but easily Bedding/cleavage (pyrrho	cts sharp, a few gradational and shredded 4812 - 4815'; on some bed surfaces. Hor. Comp. Page 25 Hor. Comp. Logged by Date Crush rock with a calcite dding/cleavage, in opposite with 52 kink 6° in same thin bedded and laminated, sharp to gradational and ney are present throughout a fo the laminites. Bedding 50/30° @ 4955'. Pyrrhotite with laminite in intervals recognized throughout; bed		H-	Collar		
Property S Commenced Completed Co-ordinates Objective From To 4792.0 - 4 (Cont'd.) 4847.0 - 4	Record Sullivan Descriptio 4847.0 C 4867.0 W 5 4867.0 W 5 5 4875.0 W	1830.0'; medium grey; thick a ind flat (most), one flame wo dark grey rip-up clasts n <u>District</u> Western <u>Localion</u> Core Size in with slickensides on a ense to bedding, to core: ense as bedding, @ 4828', 50 acke, subwacke and argillit wo thick quartz wacke beds 4 lat; laminations noted ar ntervals of 10 to 20 cm. Ca leavage, in opposite sens rains define the cleavage. acke, subwacke and argillite p to 30 cm thick; laminati	A small amount of gouge, bed contact at 4839.5'. Bed 750/570 g 4804'; bed contacts res dark grey; medium and 1863 - 4867'; bed contacts te often quite faint and th 11careous laths noted in some se to bedding, to core: 46 bed congrey; thin bedded withous are faint but easily Bedding/cleavage (pyrrho	cts sharp, a few gradational and shredded 4812 - 4815'; on some bed surfaces. Hor. Comp. Page 25 Hor. Comp. Logged by Date Crush rock with a calcite dding/cleavage, in opposite with 52 kink 6° in same thin bedded and laminated, sharp to gradational and ney are present throughout a fo the laminites. Bedding 50/30° @ 4955'. Pyrrhotite with laminite in intervals recognized throughout; bed		H-	Collar		
Property S Commenced Completed Co-ordinates Objective From To 4792.0 - 4 (Cont'd.) 4847.0 - 4	Record Sullivan Descriptio 1847.0 C 1867.0 W 1875.0 W 1875.0 W 1875.0 W 1875.0 W	B30.0'; medium grey; thick a ind flat (most), one flame wo dark grey rip-up clasts n Localion Core Size	A small amount of gouge, bed contact at 4839.5'. Bed 750/570 @ 4804'; 600/900, 00 @ 4844'. Tests at anount of gouge, bed contact at 4839.5'. Bed 750/570 @ 4804'; 600/900, 00 @ 4844'. The grey; medium and 1863 - 4867'; bed contacts to often quite faint and the alcareous laths noted in some se to bedding, to core: 46 a; dark grey; thin bedded we tons are faint but easily . Bedding/cleavage (pyrtho @ 4875'. wacke; medium grey; two me	cts sharp, a few gradational and shredded 4812 - 4815'; on some bed surfaces. Hor. Comp. Vert. Comp. Logged by Date crush rock with a calcite dding/cleavage, in opposite with 52 kink 6° in same thin bedded and laminated, sharp to gradational and new are present throughtout a fo the laminites. Bedding 50/30° @ 4955'. Pyrhotite with laminite in intervals recognized throughout; bed stite), in opposite sense		H-	Collar		
Property S Commenced Completed Co-ordinates Objective From To 4792.0 - 4 (Cont'd.) 4847.0 - 4 4867.0 - 4	Record Sullivan Descriptio 4847.0 C 4867.0 W 4867.0 W 4867.0 W 4867.0 W 4867.0 W 4867.0 W	B30.0'; medium grey; thick a ind flat (most), one flame wo dark grey rip-up clasts n Location Core Size n ore broken 4837 - 4839'. ein with Slickensides on a ense to bedding, to core: ense as bedding, @ 4828', 50 acke, subwacke and argillit wo thick quartz wacke beds 4 lat; laminations noted ar ntervals of 10 to 20 cm. Ca leavage, in opposite sens rains define the cleavage. acke, subwacke and argillite p to 30 cm thick; laminati ontacte are sharp and flat. o bedding, to core: 55°/550 uartz arenite to quartz hick bed; contacts sharp and	A small amount of gouge, bed contact at 4839.5'. Bed 750/570 @ 4804'; 600/900, 0 @ 4844'. Tests at anount of gouge, bed contact at 4839.5'. Bed 750/570 @ 4804'; 600/900, 0 @ 4844'. Te; dark grey; medium and 1863 - 4867'; bed contacts te; dark grey; medium and the alcareous laths noted in some se to bedding, to core: 46 a; dark grey; thin bedded we lons are faint but easily . Bedding/cleavage (pyrrho @ 4875'. wacke; medium grey; two mediated in the state of the set of the s	cts sharp, a few gradational and shredded 4812 - 4815'; on some bed surfaces. Formation Page 25 Hor. Comp. Vert. Comp. Logged by Date Crush rock with a calcite dding/cleavage, in opposite with 52 kink 6° in same thin bedded and laminated, sharp to gradational and ney are present throughout of the laminites. Bedding 50/30° @ 4955'. Pyrrhotite with laminite in intervals recognized throughout; bed otite), in opposite sense		H-	Collar		
Property S Commenced Completed Co-ordinates Objective From To 4792.0 - 4 (Cont'd.) 4847.0 - 4 4867.0 - 4	Record Sullivan Descriptio 4847.0 C 4867.0 W 4867.0 W 4867.0 W 4867.0 W 4865.0 W	B30.0'; medium grey; thick a ind flat (most), one flame wo dark grey rip-up clasts n Localion Core Size	A small amount of gouge, bed contact at 4839.5'. Bed 750/570 @ 4804'; 600/900, 00 @ 4844'. Tests at anount of gouge, bed contact at 4839.5'. Bed 750/570 @ 4804'; 600/900, 00 @ 4844'. The grey; medium and 1863 - 4867'; bed contacts to often quite faint and the alcareous laths noted in some se to bedding, to core: 46 a; dark grey; thin bedded we tons are faint but easily . Bedding/cleavage (pyrtho @ 4875'. wacke; medium grey; two me	cts sharp, a few gradational and shredded 4812 - 4815'; on some bed surfaces. Hor. Comp. Vert. Comp. Logged by Date Crush rock with a calcite dding/cleavage, in opposite with 52 kink 6° in same thin bedded and laminated, sharp to gradational and ney are present throughtout a fo the laminites. Bedding 50/30° @ 4955'. Pyrrhotite with laminite in intervals recognized throughout; bed otite), in opposite sense adium beds over single very aminations are graded. At		H-	Collar		
Property S Commenced Completed Co-ordinates Objective From To 4792.0 - 4 (Cont'd.) 4847.0 - 4 4867.0 - 4	Record Sullivan Descriptio 4847.0 C 4867.0 W 4867.0 W 4885.0 W 4885.0 A 4885.0 A	B30.0'; medium grey; thick a ind flat (most), one flame wo dark grey rip-up clasts n <u>Localion</u> <u>Core Size</u> n ore broken 4837 - 4839'. ein with slickensides on a ense to bedding, to core: ense as bedding, to core: acke, subwacke and argillit wo thick quartz wacke beds 4 lat; laminations noted ar ntervals of 10 to 20 cm. Ca leavage, in opposite sens rains define the cleavage. acke, subwacke and argillite p to 30 cm thick; laminati ontacts are sharp and flat. o bedding, to core: 550/550 uartz arenite to quartz hick bed; contacts sharp and gillite and subwacke; medi 884.5', bedding is 60°; py n light grey subwacke and by	A small amount of gouge, bed contact at 4839.5'. Bed 750/570 @ 4844'. Tests at 257. Wacke; medium grey; two medium and a faint grey; laminated; all la yrrhotite cleavage is 83° in bed contact at 4839.5'. Bed 750/570 @ 4844'. The faint and the fa	cts sharp, a few gradational and shredded 4812 - 4815'; on some bed surfaces. Hor. Comp. Vert. Comp. Logged by Date crush rock with a calcite dding/cleavage, in opposite with 52 kink 6° in same thin bedded and laminated, sharp to gradational and ney are present throughout s fo the laminites. Bedding 50/30° @ 4955'. Pyrrhotite with laminite in intervals recognized throughout; bed otite), in opposite sense edium beds over single very mminations are graded. At n opposite sense to bedding		H-	Collar		
Property         S           Commenced         Completed           Co-ordinates         Objective           Footage         Footage           From         To           4792.0         -           4792.0         -           4847.0         -           4847.0         -           4867.0         -           4882.5         -	Record Sullivan Descriptio 4847.0 C 4847.0	B30.0'; medium grey; thick a ind flat (most), one flame wo dark grey rip-up clasts n Localion Core Size	A small amount of gouge, bed contact at 4839.5'. Bed Toted grey; thin bedded we hole No. DDH6464 Tests at Corr. Dip True Brg. % Recov. A small amount of gouge, bed contact at 4839.5'. Bed 750/570 @ 4804'; 600/900, 00 @ 4844'. The grey; medium and 1863 - 4867'; bed contacts the often quite faint and the alcareous laths noted in some se to bedding, to core: 46 a; dark grey; thin bedded we tons are faint but easily . Bedding/cleavage (pyrrho @ 4875'. wacke; medium grey; two med i flat. hum grey; laminated; all lather provide sericitic cleavage pre- ing.	cts sharp, a few gradational and shredded 4812 - 4815'; on some bed surfaces. Hor. Comp. Vert. Comp. Logged by Date crush rock with a calcite dding/cleavage, in opposite with 52 kink 6° in same thin bedded and laminated, sharp to gradational and ney are present throughtout a fo the laminites. Bedding 50/30° @ 4955'. Pyrrhotite with laminite in intervals recognized throughout; bed otite), in opposite sense addium beds over single very aminations are graded. At n opposite sense to bedding seent only in some argillite		H-	Collar		
Property S Commenced Completed Co-ordinates Objective From To 4792.0 - 4 (Cont'd.) 4847.0 - 4 4867.0 - 4	Record Sullivan Descriptio 1847.0 C 1867.0 W 1867.0 W 1867.0 W 1867.0 W 1867.0 W 1867.0 W 1867.0 W 1867.0 W	B30.0'; medium grey; thick a ind flat (most), one flame wo dark grey rip-up clasts n <u>Location</u> <u>Core Size</u>	A small amount of gouge, bed contact at 4839.5'. Bed 750/570 @ 4844'. Tests at 257. Wacke; medium grey; two medium and a faint grey; laminated; all la yrrhotite cleavage is 83° in bed contact at 4839.5'. Bed 750/570 @ 4844'. The faint and the fa	cts sharp, a few gradational and shredded 4812 - 4815'; on some bed surfaces. Hor. Comp. Vert. Comp. Logged by Date Crush rock with a calcite dding/cleavage, in opposite with 52 kink 6° in same thin bedded and laminated, sharp to gradational and hey are present throughout a fo the laminites. Bedding 50/30° @ 4955'. Pyrrhotite with laminite in intervals recognized throughout; bed obite), in opposite sense edium beds over single very mainations are graded. At n opposite sense to bedding seent only in some argillite;		H-	Collar		
Property         S           Commenced         Completed           Co-ordinates         Objective           Footage         Footage           From         To           4792.0         -           4792.0         -           4847.0         -           4847.0         -           4847.0         -           4882.0         -           48875.0         -           4882.5         -	Record Sullivan Descriptio 1847.0 C 1867.0 W 1867.0 W 1867.0 W 1865.0 M 18885.0 A 18885.0 A 19903.0	B30.0'; medium grey; thick a ind flat (most), one flame wo dark grey rip-up clasts n <u>Location</u> <u>Core Size</u>	A small amount of gouge, hole No. DDH6464 Tests at Corr. Dip True Brg. % Recov. A small amount of gouge, bed contact at 4839.5'. Bed 750/570 @ 4804'; 600/900, 00 @ 4844'. Test dark grey; medium and 1863 - 4867'; bed contacts Te often quite faint and the set o bedding, to core: 46 a; dark grey; thin bedded we tons are faint but easily . Bedding/cleavage (pyrrho @ 4875'. wacke; medium grey; two me i flat. hum grey; laminated; all law rrhotite cleavage is 83° in andled sericitic cleavage pre- ing. h relatively thin tops graded interval) and medium bedded;	cts sharp, a few gradational and shredded 4812 - 4815'; on some bed surfaces. Hor. Comp. Vert. Comp. Logged by Date Crush rock with a calcite dding/cleavage, in opposite with 52 kink 6° in same thin bedded and laminated, sharp to gradational and hey are present throughout a fo the laminites. Bedding 50/30° @ 4955'. Pyrrhotite with laminite in intervals recognized throughout; bed obite), in opposite sense edium beds over single very mainations are graded. At n opposite sense to bedding seent only in some argillite;		H-	Collar		

Property Sullivan Commenced	District Western Location	n Hole No. DDH6464 Tests at		4. 			
Completed	Core Size	Corr. Dip	Vert. Comp.				
Co-ordinates	- ,	True Brg.	Logged by		,	Collar Dip	
Objective	· · · · · · · · · · · · · · · · · · ·	% Recov.	Date		T Brg.	Colla	
Footage Descr	iplion		· · · · · · · · · · · · · · · · · · ·		alysi:		P
From To		A	······································		+		
4903.0 - 4906.0	Wacke, subwacke and argilli bed contacts are sharp and f to core 60°, Small shear	lat; laminated intervals are up to 8 mm wide appears t	up to 10 cm thick. Bedding				
	calcite seam (1mm) on hanging	gwall.			-		-
4906.0 - 4931.0	Quartz wacks, one bed of quar medium and fine grained; me vague and flat to irregular The quartz arenite thick bed	edium to light grey; thick r; some bed bases are reve	bedded; contacts sharp to	te;			
	-						-
4931.0 - 4943.0	Wacke, subwacke and argillit laminated with medium and the	ick beds over 50% of int	erval; bed contacts sharp	·			+
	and flat to, rarely, wavy, some have fine nearly disagg	regated clasts in the uppe	r portion of the bed, one	}	-		1
	dark grey argillite clast not	ted. Bedding to core 60° @	4933'.				
4943.0 - 4968.0	Quartz wacke and wacke with a arenite bases; fine grained;					_ <u>_</u>	_
	and thick beds; bed contact graded, some internal contact						┥
	present on some bedding a				+-		
4968.0 - 4978.0	Wacke, subwacke and argillite	e. medium, thin bodded. and	d lasinated: with 50% of			-	
	interval of wacks and digitite grey; bed contacts are sharp	artzitic wacke in medium,	and one thick, beds; medium				
	grey; bed contacts are sharp to 4978.0' interval is wavy 1	laminated throughout. Beddi	ng to core 60° @ 4971'.	.	+		-
4978.0 - 5007.0	Wacke, minor quartz wacke,				+	+	-
	bedded with few thin beds; be Bedding/cleavage (opposite) (			.		-1	-
Drill Hole Recor			Cominco Page 27		<u>+</u>		
Sullivan	ď	Hole No. DDH6464	<b>\$</b>				
	ď	DDUCACA	<b>\$</b>				
Property Sullivan	rd District Western	Hole No. DDH6464	Cominco Page 27				
Property Sullivan Commenced	District Western Location	Hole No. DDH6464 Tests at Corr. Dip True Brg.	Hor. Comp. Logged by			r Dip	
Property Sullivan Commenced Completed	District Western Location	Hole No. DDH6464 Tests at Corr. Dip	Hor. Comp. Vert. Comp.		Prg.	Sollar Dip	
Property Sullivan Commenced Completed Co-ordinates Objective Foolage Descri	d District Western Location Core Size	Hole No. DDH6464 Tests at Corr. Dip True Brg.	Hor. Comp. Logged by	E 	t Brg.	Collar	
Property Sullivan Commenced Completed Co-ordinates Objective Footage Descri	d District Western Location Core Size	Hole No. DDH6464 Tests at Corr. Dip True Brg. % Recov.	Hor. Comp. Vert. Comp. Logged by Date			Collar	
Property Sullivan Commenced Completed Co-ordinates Objective Foolage Descri	d District Western Location Core Size Dion Quartz wacks, quartz arenite argillite; thick bedded; bed	Hole No. DDH6464 Tests at Corr. Dip True Brg. % Recov.	Hor. Comp. Vert. Comp. Logged by Date acke and minor subwacke and me slightly wavy. Predomin-	<u>Ana</u>		Collar	
Property Sullivan Commenced Completed Co-ordinates Objective Footage Descri	District Western Location Core Size Dion Quartz wacke, quartz arenite argillite; thick bedded; bed antly argillite 5020 - 5023 contact of fault cuts core a 5020', cleavage is opposite a	Hole No. DDH6464 Tests at Corr. Dip True Brg. % Recov. 8, with a fair amount of we contacts sharp and flat, sou 3.5' has a 10 cm fault of g at 40°. Bedding to core: at 63°, 45° @ 5033'.	Hor. Comp. Vert. Comp. Logged by Date acke and minor subwacke and me slightly wavy. Predomin- gouge and rock chips, upper curves from 35° to 15° @	<u>Ana</u>		Collar	
Property Sullivan Commenced Completed Co-ordinates Objective Footage Descri	District Western Location Core Size Dion Quartz wacke, quartz arenite argillite; thick bedded; bed antly argillite 5020 - 5022 contact of fault cuts core a 5020', cleavage is opposite a Wacke, subwacke and argill	Hole No. DDH6464 Tests at Corr. Dip True Brg. % Recov. a, with a fair amount of we contacts sharp and flat, son 3.5' has a 10 cm fault of g at 40°. Bedding to core: at 63°, 45° @ 5033'. Hite; medium grey; thin bec	Hor. Comp. Vert. Comp. Logged by Date acke and minor subwacke and me slightly wavy. Predomin- gouge and rock chips, upper curves from 35° to 15° €	<u>Ana</u>		Collar	
Property Sullivan Commenced Completed Co-ordinates Objective Foolage Descri From To 5007.0 - 5053.0	District Western Location Core Size Difficient Ouartz wacke, quartz arenite argillite; thick bedded; bed antly argillite 5020 - 5023 contact of fault cuts core a 5020', cleavage is opposite a Wacke, subwacke and argill contacts sharp and wavy (fo - 5065', Slickensides noted	Hole No. DDH6464 Tests at Corr. Dip True Brg. % Recov. a, with a fair amount of we contacts sharp and flat, sou 3.5' has a 10 cm fault of g at 40°. Bedding to core: at 63°, 45° @ 5033'. lite; medium grey; thin beco olding?; beds are graded.	Hor. Comp. Vert. Comp. Logged by Date Date acke and minor subwacke and me slightly way. Predomin- gouge and rock chips, upper curves from 35° to 15° @ dded, rarely laminated; bed Core is broken from 3060	Ana		Collar	
Property Sullivan Commenced Completed Co-ordinates Objective Footage From To 5007.0 - 5053.0 5053.0 - 5065.0	District Western Location Core Size District Western Core Size District Western Core Size District Western Core Size District Western argillite; thick bedded; bed antly argillite 5020 - 5020 contact of fault cuts core a 5020', cleavage is opposite a Wacke, subwacke and argill contacts sharp and wavy (fc - 5065'. Slickensides noted (opposite?) 42°/02° # 5057'.	Hole No. DDH6464 Tests at Corr. Dip True Brg. % Recov. b, with a fair amount of we contacts sharp and flat, sou 3.5' has a 10 cm fault of g at 40°. Bedding to core: at 63°, 45° @ 5033'. Hite; medium grey; thin beco blding?); beds are graded. on some bedding planes, but	Hor. Comp. Vert. Comp. Vert. Comp. Logged by Date Date acke and minor subwacke and me slightly wavy. Predomin- gouge and rock chips, upper curves from 35° to 15° € dded, rarely laminated; bed Core is broken from 5060 not common. Bedding/cleave	Ana		Collar	
Property Sullivan Commenced Completed Co-ordinates Objective Foolage From To 5007.0 - 5053.0 5053.0 - 5065.0 5065.0 - 5290.0	District Western Location Core Size Dition Quartz wacks, quartz arenites argillite; thick bedded; bed antly argillite 5020 - 5023 contact of fault cuts core a 5020', cleavage is opposite a Wacks, subwacks and argill contacts sharp and wavy (fc - 5065'. Slickensides noted (opposite?) 420/02° € 5057'. Lithotypes and cyclic type of to 5290'.	Hole No. DDH6464 Tests at Corr. Dip True Brg. % Recov.	Hor. Comp. Vert. Comp. Logged by Date acke and minor subwacke and me slightly wavy. Predomin- gouge and rock chips, upper curves from 35° to 15° @ dded, rarely laminated; bed Core is broken from 5060 not common. Bedding/cleave ast several hundred continue	Ana 		Collar	
Property         Sullivan           Commenced         Completed           Co-ordinates         Objective           Footage         Description           Footage         Description           5007.0         -           5053.0         -           5065.0         -           5290.0         -           5290.0         -	District Western Location Core Size Difference Difference argillite; thick bedded; bed antly argillite 5020 - 5023 contact of fault cuts core a 5020', cleavage is opposite a Wacke, subwacke and argill contacts sharp and wavy (fo - 5065'. Slickensides noted (opposite?) 420/020 € 5057'. Lithotypes and cyclic type of to 5290'. Predominantly subwacke and a is near parallel and parallel	Hole No. DDH6464 Tests at Corr. Dip True Brg. % Recov. b, with a fair amount of we contacts sharp and flat, son 3.5' has a 10 cm fault of g at 40°. Bedding to core: at 63°, 45° @ 5033'. Nite; medium grey; thin bec olding?); beds are graded. on some bedding planes, but f sedimentation typical of later argillite, some wacke and mail to core throughout this info	Hor. Comp. Vert. Comp. Vert. Comp. Logged by Date Date acke and minor subwacke and me slightly wavy. Predomin- gouge and rock chips, upper curves from 35° to 15° f dded, rarely laminated; bed Core is broken from 5060 not common. Bedding/cleave ast several hundred continue inor quartz wacke. Bedding terval.	Ana		Collar	
Property Sullivan Commenced Completed Co-ordinates Objective Foolage From To 5007.0 - 5053.0 5053.0 - 5065.0 5065.0 - 5290.0	District Western Location Core Size District Western Core Size District Western Core Size District Western Core Size District Western argillite; thick bedded; bed antly argillite 5020 - 5023 contact of fault cuts core a 5020', cleavage is opposite a Wacke, subwacke and argill contacts sharp and wavy (fc - 5065'. Slickensides noted (opposite?) 420/020 @ 5057'. Lithotypes and cyclic type of to 5290'. Predominantly subwacke and a is near parallel and parallel	Hole No. DDH6464 Tests at Corr. Dip True Brg. % Recov. a, with a fair amount of we contacts sharp and flat, son 3.5' has a 10 cm fault of g at 63°, 45° @ 5033'. Note: medium grey; thin becolding?); beds are graded. on some bedding planes, but f sedimentation typical of 14 argillite, some wacke and milling 1 to core throughout this inter b; medium grey; medium to	Hor. Comp. Vert. Comp. Vert. Comp. Logged by Date Date acke and minor subwacke and me slightly wavy. Predomin- gouge and rock chips, upper curves from 35° to 15° f dded, rarely laminated; bed Core is broken from 5060 not common. Bedding/cleave ast several hundred continue inor quartz wacke. Bedding terval.	Ana		Collar	
Property         Sullivan           Commenced         Completed           Co-ordinates         Objective           Footage         Description           Footage         Description           5007.0         5053.0           5053.0         5065.0           5065.0         5290.0           5290.0         5652.0	District Western Location Core Size District Western Core Size District Core Size District Provide the state of the size argillite; thick bedded; bed antly argillite 5020 - 5023 contact of fault cuts core a 5020', cleavage is opposite a Wacke, subwacke and argill contacts sharp and wavy (fc - 5065'. 51 ickensides noted (opposite?) 42°/02° € 5057'. Lithotypes and cyclic type of to 5290'. Predominently subwacke and a is near parallel and parallel Wacke, subwacke and argillite	Hole No. DDH6464 Tests at Corr. Dip True Brg. % Recov. a, with a fair amount of we contacts sharp and flat, son 3.5' has a 10 cm fault of g at 63°, 45° @ 5033'. Note: medium grey; thin becolding?); beds are graded. on some bedding planes, but f sedimentation typical of 14 argillite, some wacke and milling 1 to core throughout this inter b; medium grey; medium to	Hor. Comp. Vert. Comp. Vert. Comp. Logged by Date Date acke and minor subwacke and me slightly wavy. Predomin- gouge and rock chips, upper curves from 35° to 15° f dded, rarely laminated; bed Core is broken from 5060 not common. Bedding/cleave ast several hundred continue inor quartz wacke. Bedding terval.	Ana		Collar	
Property         Sullivan           Commenced         Completed           Co-ordinates         Objective           Footage         Description           Footage         Description           5007.0         5053.0           5053.0         5065.0           5065.0         5290.0           5290.0         5652.0	District Western Location Core Size District Western Core Size District Core Size District Provide the state of the size argillite; thick bedded; bed antly argillite 5020 - 5023 contact of fault cuts core a 5020', cleavage is opposite a Wacke, subwacke and argill contacts sharp and wavy (fc - 5065'. 51 ickensides noted (opposite?) 42°/02° € 5057'. Lithotypes and cyclic type of to 5290'. Predominently subwacke and a is near parallel and parallel Wacke, subwacke and argillite	Hole No. DDH6464 Tests at Corr. Dip True Brg. % Recov. a, with a fair amount of we contacts sharp and flat, son 3.5' has a 10 cm fault of g at 63°, 45° @ 5033'. Note: medium grey; thin becolding?); beds are graded. on some bedding planes, but f sedimentation typical of 14 argillite, some wacke and milling 1 to core throughout this inter b; medium grey; medium to	Hor. Comp. Vert. Comp. Vert. Comp. Logged by Date Date acke and minor subwacke and me slightly wavy. Predomin- gouge and rock chips, upper curves from 35° to 15° f dded, rarely laminated; bed Core is broken from 5060 not common. Bedding/cleave ast several hundred continue inor quartz wacke. Bedding terval.	Ana		Collar	
Property         Sullivan           Commenced         Completed           Co-ordinates         Objective           Footage         Description           Footage         Description           5007.0         5053.0           5053.0         5065.0           5065.0         5290.0           5290.0         5652.0	District Western Location Core Size District Western Core Size District Core Size District Provide the state of the size argillite; thick bedded; bed antly argillite 5020 - 5023 contact of fault cuts core a 5020', cleavage is opposite a Wacke, subwacke and argill contacts sharp and wavy (fc - 5065'. 51 ickensides noted (opposite?) 42°/02° € 5057'. Lithotypes and cyclic type of to 5290'. Predominently subwacke and a is near parallel and parallel Wacke, subwacke and argillite	Hole No. DDH6464 Tests at Corr. Dip True Brg. % Recov. a, with a fair amount of we contacts sharp and flat, son 3.5' has a 10 cm fault of g at 63°, 45° @ 5033'. Note: medium grey; thin becolding?); beds are graded. on some bedding planes, but f sedimentation typical of 14 argillite, some wacke and milling 1 to core throughout this inter b; medium grey; medium to	Hor. Comp. Vert. Comp. Vert. Comp. Logged by Date Date acke and minor subwacke and me slightly wavy. Predomin- gouge and rock chips, upper curves from 35° to 15° f dded, rarely laminated; bed Core is broken from 5060 not common. Bedding/cleave ast several hundred continue inor quartz wacke. Bedding terval.	Ana		Collar	
Property         Sullivan           Commenced         Completed           Co-ordinates         Objective           Footage         Description           Footage         Description           5007.0         5053.0           5053.0         5065.0           5065.0         5290.0           5290.0         5652.0	District Western Location Core Size District Western Core Size District Core Size District Provide the state of the size argillite; thick bedded; bed antly argillite 5020 - 5023 contact of fault cuts core a 5020', cleavage is opposite a Wacke, subwacke and argill contacts sharp and wavy (fc - 5065'. 51 ickensides noted (opposite?) 42°/02° € 5057'. Lithotypes and cyclic type of to 5290'. Predominently subwacke and a is near parallel and parallel Wacke, subwacke and argillite	Hole No. DDH6464 Tests at Corr. Dip True Brg. % Recov. a, with a fair amount of we contacts sharp and flat, son 3.5' has a 10 cm fault of g at 63°, 45° @ 5033'. Note: medium grey; thin becolding?); beds are graded. on some bedding planes, but f sedimentation typical of 14 argillite, some wacke and milling 1 to core throughout this inter b; medium grey; medium to	Hor. Comp. Vert. Comp. Vert. Comp. Logged by Date Date acke and minor subwacke and me slightly wavy. Predomin- gouge and rock chips, upper curves from 35° to 15° f dded, rarely laminated; bed Core is broken from 5060 not common. Bedding/cleave ast several hundred continue inor quartz wacke. Bedding terval.	Ana		Collar	
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### APPENDIX K

## SULLIVAN MINE GROUP OF MINERAL CLAIMS

### NOVEMBER 27, 1986

Number of Units

1.	Crown-Granted M.C.	680
2.	Held by Assessment:	
	2(a) TWO POST CLAIMS	
	Rho Group 20	
	Med Group 15 Donna, Etc. Group 15	
	Uke Group 11	
	Mar Group 17 Bad Group 36	
	Late Group 91	
	Mat Group 268 Jackpot 1	549
	2(b) REVERTED CROWN GRANTED MINERAL CLAIMS	
	Tip 4-12 9	
	Hope 2-12 11 Sun 2-12 11	
	Cue 2-12 11	
	B.C., Silver Bell, Tarrant 3 Black Hills, Yankee Girl, Wasp Fr. 3	
	Blue Dragon 1	49
	2(c) MINERAL CLAIMS (54)	
	Dip 1-8 56 Fal 1-14 84	
	Golf 1-3 17	
	Quark 1&2 12 Fin 1-3 18	
	Mead 1-3 36	
	Clair $24-32$ 56	105
	Mark 1-3 17	406
3.	Greenhorn Mineral Lease	1
•	GRAND TOTAL $(1 + 2 + 3)$	1,685

PWR/1rm

## APPENDIX L

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### STATEMENT OF QUALIFICATIONS

As author of Part 1 and Part 2 of this report, I, Paul W. Ransom, certify that:

I am a geologist active in minerals exploration.

I am a graduate of McGill University with a degree of Bachelor of Science.

I have been continuously engaged in mining and exploration since 1966.

I am a member of the Geological Association of Canada.

I supervised Cominco Ltd.'s Sullivan Mine area exploration drilling program in 1987.

RANSOM, G.A.C.

COMINCO LTD

EXPLORATION

GEOPHYSICS

NTS:82/F9,16

- PART 3 -MATHEW CREEK 1987 UTEM SURVEY

Latitude: 49 45'N Longitude: 116 05'W Work Performed by: I. Jackish and J. Vyselaar Claim Owner and Operator: Cominco Ltd.

FEBRUARY, 1988

JULES J. LAJOIE



210-0610

### TABLE OF CONTENTS

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PLATE 333-87-1: LOCATION MAP	1
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FIELD WORK	3
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COMINCO LTD

EXPLORATION

GEOPHYSICS

NTS: 82F/9,16

### - MATHEW CREEK 1987 UTEM SURVEY -

INTRODUCTION

This report describes a Utem electromagnetic survey performed in the Mathew Creek area, located 10 kilometres northwest of Kimberley, B.C. The area is underlain by rocks of the Aldridge Formation which are known to host the Sullivan orebody at Kimberley, B.C.

Access to the grid is westerly from Marysville along the St. Mary's lake road for about 7 kilometres, then north on the Mathew Creek road.

16 kilometres of Utem surveying were completed.

FIELD WORK

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The field work was carried out between October 1 to 6, 1987, inclusive, by geophysicists I. Jackish, J. Vyselaar, and assistants S. Kempt, E. Ricketts, and D. Murphy. Two transmitter loops were used for the survey.

DESCRIPTION OF THE UTEM SYSTEM

UTEM is an acronym for "University of Toronto ElectroMagnetometer". The system was developped by Dr. Y. Lamontagne (1975) while he was a graduate student of that university.

The field procedure consists of first laying out a large loop of single strand insulated wire and energizing it with current from a transmitter which is powered by a motor

3-3

generator. Survey lines are generally oriented perpendicular to one side of the loop and surveying can be performed both inside and outside the loop.

The transmitter loop is energized with a precise triangular waveform at a carefully controlled base frequency (30.974Hz for this survey). The receiver system includes a sensor coil and backpack portable receiver module which has a digital recording facility on cassette magnetic tape. The time synchronization between transmitter and receiver is achieved through quartz crystal clocks in both units, and it must be accurate to about one second in fifty years.

The receiver sensor coil measures the vertical component of the electromagnetic field and responds to its time derivative. Since the transmitter current waveform is rectangular, the receiver coil will sense a perfect square wave in the absence of geologic conductors. Deviations from a perfect square wave are caused by electrical conductors which may be geologic or cultural in origin. The receiver stacks any pre-set number of cycles in order to increase the signal to noise ratio.

The UTEM receiver gathers and records 9 channels of information at each station. The higher number channels (7-8-9) correspond to short time or high frequency while the lower number channels (1-2-3) correspond to late time or low frequency. Therefore, poor or weak conductors will respond on channels 9, 8, 7, and 6. Better conductors will give responses on progressively lower number channels as well. For example, massive, highly conducting sulphides or graphite will produce a response on all nine channels.

At the end of the day the casette tape is played back into a Pascal microengine computer at the base camp. The computer is used to process the data and control the plotting on an 11" x 15" graphics plotter. Data are portrayed on Data Sections as profiles of each of the nine channels, one section for each survey line.

## DATA PRESENTATION

The results of this survey are presented in one compilation map and 8 Data Sections which all face N.

The maps are listed as follows:

Plate 333-87-1: Location Map (in text)

Plate 333-87-2: Utem Grid and Compilation Map (in text)

3-5

A legend for the compilation map and data sections is included. The data sections are arranged in order of loop number, then in order of line number. Loop number defines a loop survey area for purposes of data processing and data management.

The magnetic field amplitudes from both the transmitter loop (primary field) and from the electric currents induced in the ground (secondary field) vary considerably from the beginning of a line near the transmitter loop, to the end of the survey line far from the transmitter loop. To present such data, a normalizing scheme must be used. In this survey, the primary field from the loop is used for normalizing and presenting the data according to the following schemes:

1. Continuously normalized plots.

This is the standard normalization scheme.

a) For channel 1:

Ch.1 - P % Ch.1 anomaly = ----- x 100%

P

where P is the primary field from the loop at the station and Ch.1 is the observed amplitude for channel 1.

b) The remaining channels (n=2 to 9) are channel 1 reduced and channel 1 normalized:

Ch.n - Ch.l % Ch.n anomaly = ----- x 100% Ch.1

where Ch.n is the observed amplitude of Channel n (n=2 to 9).

2. Point normalized plots.

These plots display an arrow at the top of the section indicating the station to which all data on the line are normalized. The purpose of point normalized plots is to display only the relative amplitude variation of the secondary field along the line, that is, only that magnetic field from the currents induced in the ground.

a) For Channel 1:

Ch.1 -Ppn % Ch.1 anomaly = ----- x 100% Ppn

where Ppn is the primary field from the loop at the point norm station and Ch.1 is the observed amplitude for Channel 1.

b) The remaining channels (n=2 to 9) are channel 1 reduced and channel 1 normalized:

Ch.n - Ch.lpn % Ch.n anomaly = ----- x 100% Ch.lpn

where Ch.n is the observed amplitude of Channel n and Ch.lpn is the observed channel 1 amplitude at the point norm station.

Point normalized plots are usually produced on data sections containing anomalies to help interpretation by providing a different perspective to the data. They are identified by an arrow at the top of the plot which denotes the station used for point normalization; the latter is usually chosen as a station which is at a constant separation from the loop for the whole grid, or, if there is an anomaly, at a station near the center of the anomalous response.

The above normalizing procedures result in chaining error displayed in Channel 1 only.

### INTERPRETATION

The results are shown in the Data Sections and compiled in Plate 333-87-2. A few regions of lower resistance than background have been identified by a stronger gradient in the early time channels (9-8-7). No anomalies from good conductors are interpreted.

#### CONCLUSIONS

16 kilometres of Utem electromagnetic surveying were

completed in a small area about 10 kilometres NW of Kimberley, B.C. Half of this is overlap from two transmitter loops so that the effective line coverage is 12 kilometres. No good conductors were found in this survey.

Report by:

Jules J. Lajoie, Ph.D., /P.Eng. Geophysicist, Cominco Ltd.

Approved for release by:

n Hami H

J. M. Hamilton, Manager, Western District Exploration, Cominco Ltd.

Distribution:

Ministry of Energy, Mines, & Petroleum Resources (2) Sullivan Mine Kootenay Exploration Western District

## REFERENCES

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Lamontagne, Y., 1975, Applications of Wideband, time-domain EM measurements in mineral exploration: Ph.D. thesis, U. of Toronto.

## >- 4-

### LEGEND

### UTEM COMPILATION MAP AND DATA SECTIONS

CVDROI	CHANNEL	MEAN DELAY TIME		
SYMBOL	CHANNEL	30 Hz		
1	1	12.8 ms		
	2	6.4		
	3	3.2		
	4	1.6		
Z	5	0.8		
	6	0.4		
7	7	0.2		
X	8	0.1		
	9	0.05		
$\overline{\diamond}$	10	0.025		

In the data sections, the upper graph contains Channels 9 to 5, the centre graph contains Channels 5 to 2, and the lower graph contains Channel 1. Station numbers are indicated along the

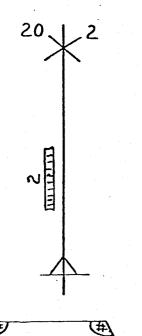
abscissa. Elevations along the survey line are shown by the solid profile in the lower graph, the scale for which is the ordinate on the right hand side of the graph.

Axis of a crossover anomaly. The right superscript indicates the latest anomalous channel. The left superscript indicates depth to current axis in metres, or S = shallow depth, M = moderate depth and D = deep.

Indicates a negative anomaly of width shown by the dash. The latest anomalous channel is shown. Can sometimes be confused with the negative part of a crossover anomaly.

Indicates contact between two regions of differing resistivity. Arrow points to low resistivity zone.

Outline of a transmitter loop



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## APPENDIX I

IN THE MATTER OF THE B.C. MINERAL ACT AND THE MATTER OF A GEOPHYSICAL PROGRAMME

CARRIED OUT ON THE MAT 65

AND ADJOINING MINERAL CLAIMS

LOCATED 10 KM NW OF KINBERLEY, B.C.

IN THE FORT STEELE MINING DIVISION OF THE

PROVINCE OF BRITISH COLUMBIA, MORE PARTICULARLY

N.T.S. 82 F/9,16

## AFFIDAVIT

I, Jules J. Lajoie, of the City of West Vancouver in the Province of British Columbia, make oath and say:

1. THAT I am employed as a geophysicist by Cominco Ltd. and, as such have a personal knowledge of the facts to which I hereinafter depose;

2. THAT annexed hereto and marked as "Exhibit A", to this statement is a true copy of expenditures incurred on a geophysical survey on the Mat 65 and adjoining mineral claims;

3. THAT the said expenditures were incurred between October 1 and 6, 1987, for the purpose of mineral exploration of the above-noted claims.

Jules J. Lajoie, Ph.D., Ø.Eng. Geophysicist, Cominco Ltd.

APPENDIX II

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### EXHIBIT 'A'

#### \_\_\_\_\_

# STATEMENT OF GEOPHYSICAL EXPENDITURES (1986)

MAT 65 AND ADJOINING CLAIMS CLAIMS

\_\_\_\_\_

### 1. SALARIES

Р.	Ransom, geological supervision,		
	2 days @ \$250.00/day	\$500.00	
I.	Jackish, geophysicist,		
	6 days @ \$285.00/day	\$1710.00	
J.	Vyselaar, geophysicist,		
	6 days @ \$290.00/day	\$1740.00	
s.	Kemp, assistant,		
	6 days @ \$125.00/day	\$750.00	
D.	Murphy, assistant,		
	6 days @ \$110.00/day	\$660.00	
Ε.	Ricketts, assistant,		
	4 days @ \$102.50/day	\$410.00	
			<u>.</u>

\$5770.00

2. OPERATING DAY CHARGES

Note: This charge is applied for those days on which useful data are acquired, to cover the costs of data compilation, drafting, interpretation, and report.

5 days @ \$300.00/day

\$1500.00

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з.	EQUIPMENT RENTAL		
	Utem system: 5 days @ \$150.00/day: Additional Receiver: 1 day:	\$750.00 \$75.00	
			\$825.00
4.	EXPENSE ACCOUNTS (incl. accom., meals	s, fuel)	
	-	56.38 38.96	
			\$1005.34
5.	LINECUTTING (D. Calder, Cranbrook)		
	22.522 km @ \$382.50/km		\$8614.67
5.	MISCELLANEOUS Trucks (two 4X4): 6 days @ \$90.00/	day:	\$540.00
			*********
	TOTAL		\$18,255.01

I certify this to be a true statement of expenditures for the geophysical program on the Mat 65 and adjoining claims in 1987.

Jules J. Lajoie, Ph.D. P.Eng. Geophysicist, Cominco Itd.

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APPENDIX III

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## CERTIFICATION

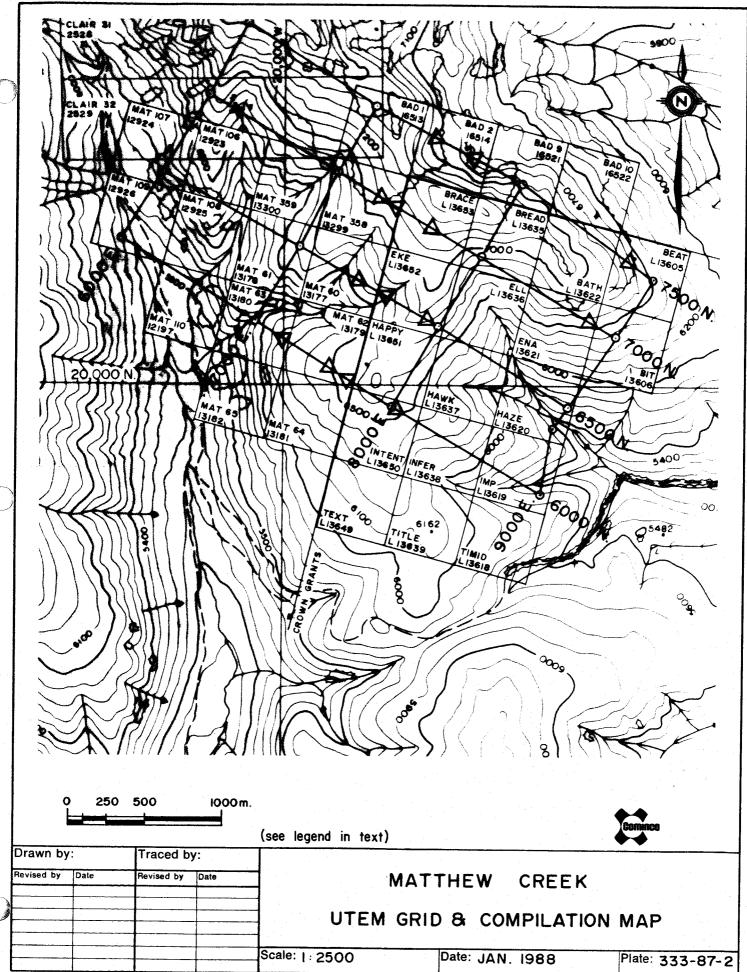
I, Jules J. Lajoie, of 5655 Keith Road, in the City of West Vancouver, in the Province of British Columbia, do hereby certify that:

1. I graduated from the University of Ottawa in 1968 with an Honours B.Sc. in Physics, from the University of British Columbia in 1970 with an M.Sc. in Geophysics, and from the University of Toronto in 1973 with a Ph.D. in Geophysics.

2. I am a registered member (#12077) of the Association of Professional Engineers of the Province of British Columbia, the Society of Exploration Geophysicists, and the British Columbia Geophysical Society.

3. I have been practicing my profession for the past fourteen years.

Jules J. Lajoie, Ph.D., P.Eng. Geophysicist, Cominco Ltd.



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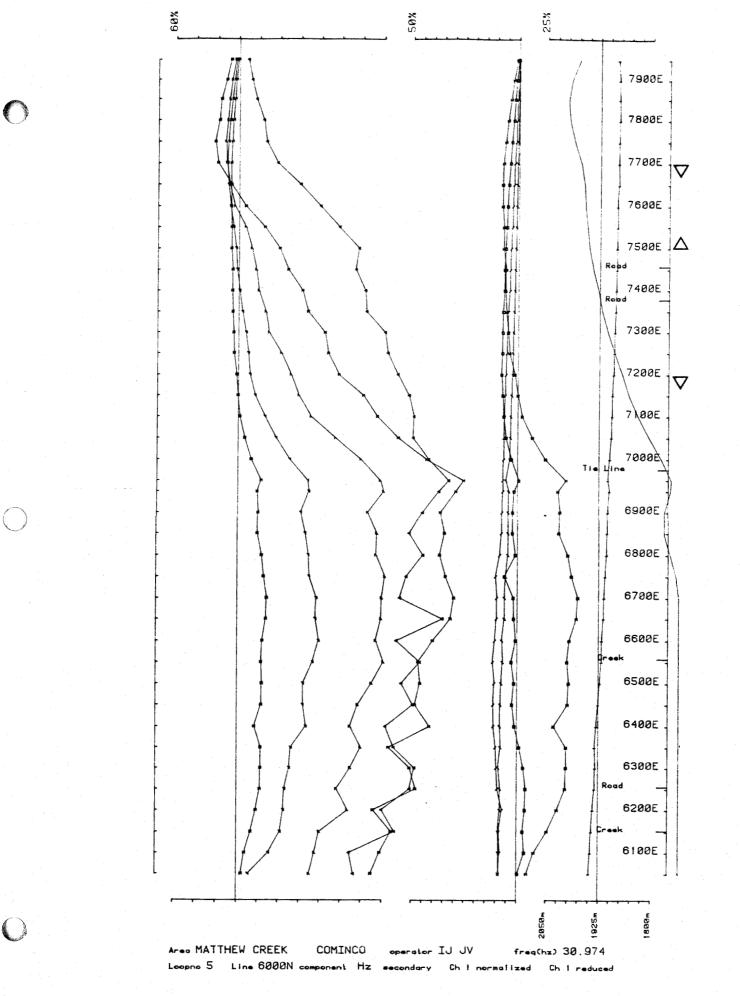
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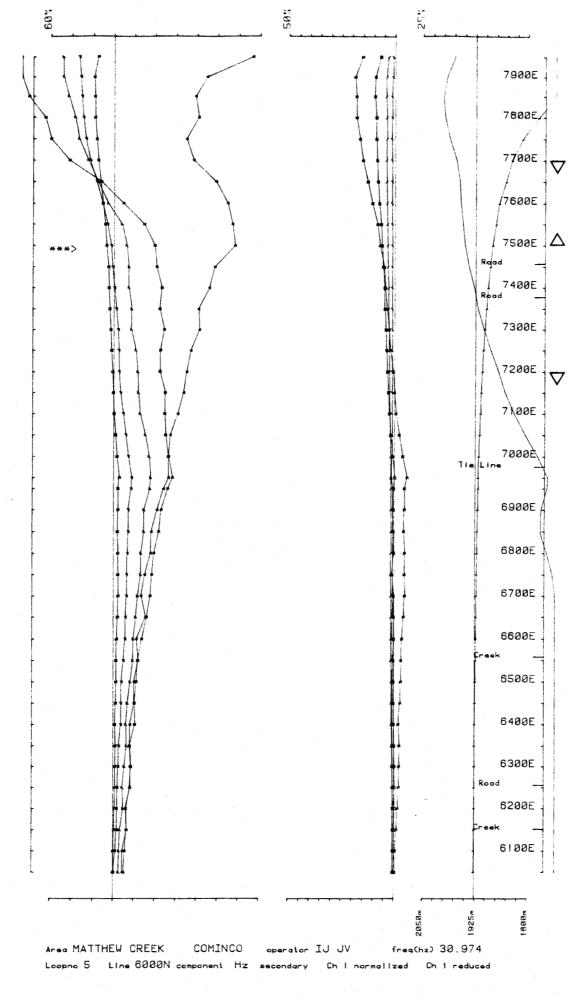


## DATA SECTIONS

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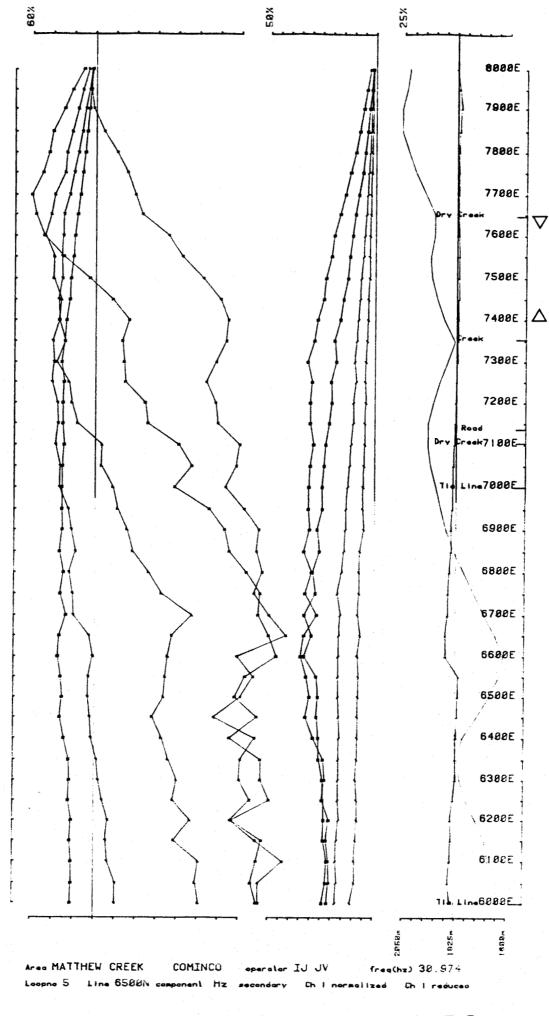


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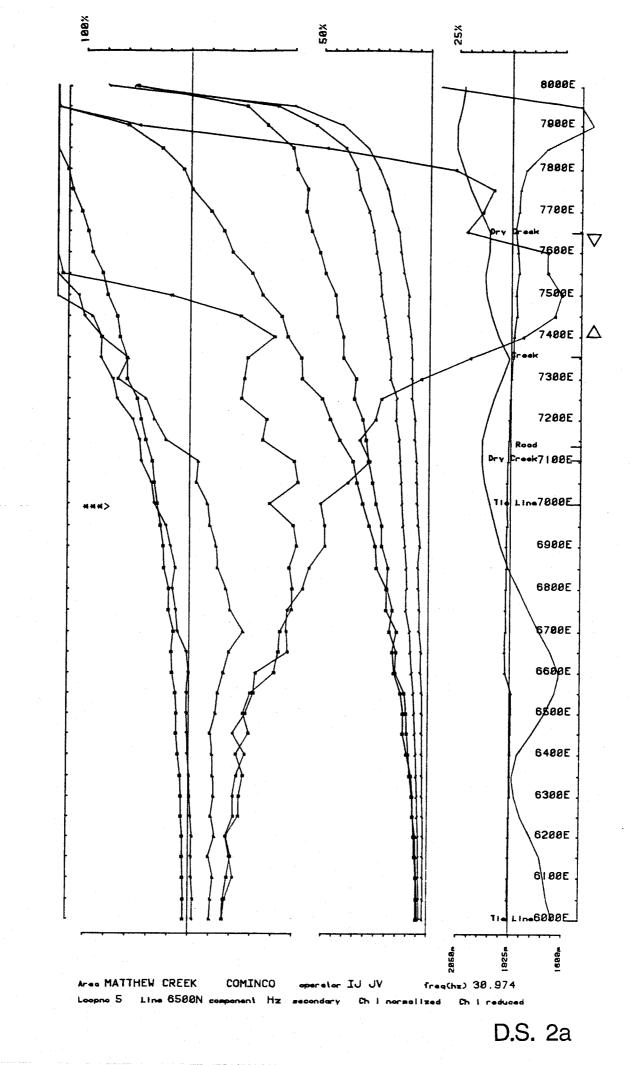
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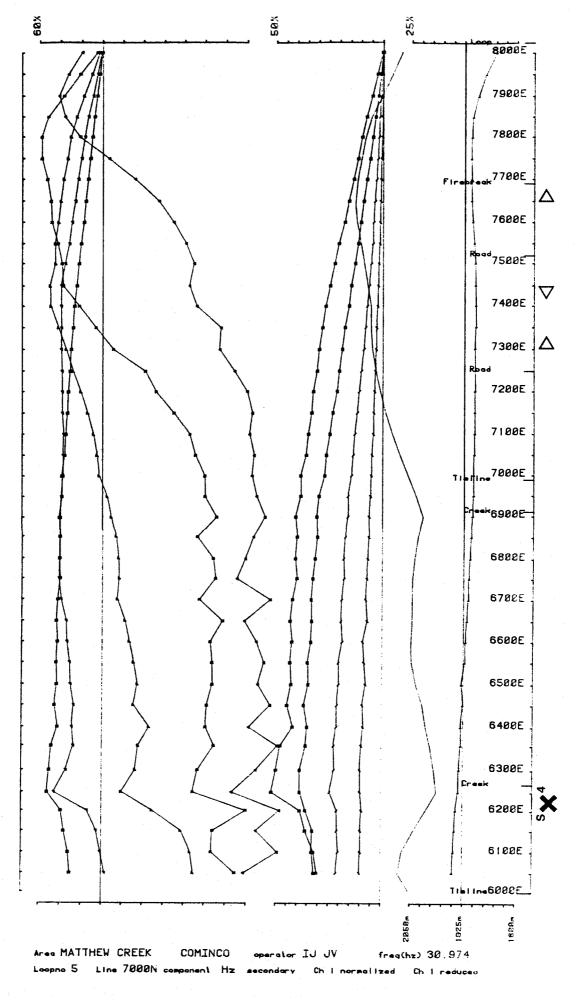


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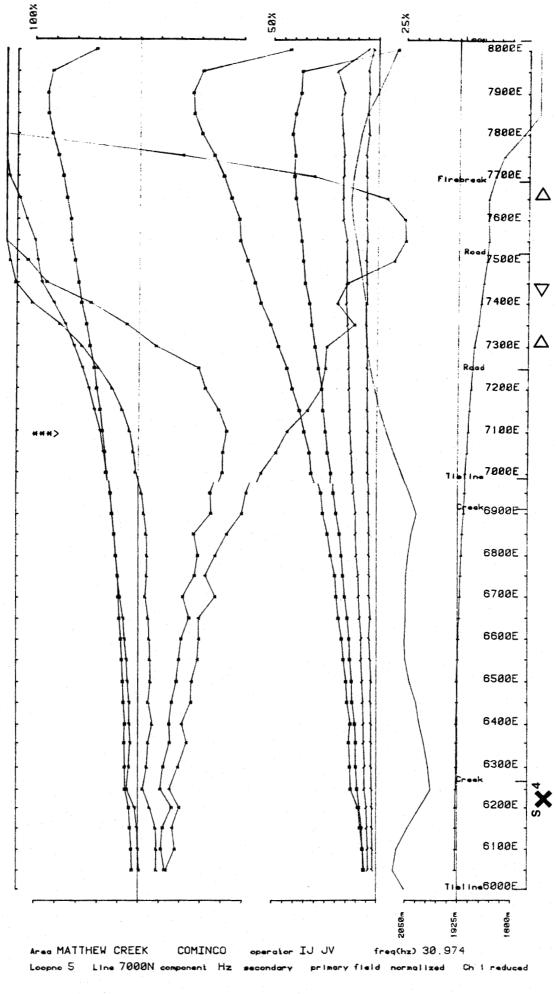


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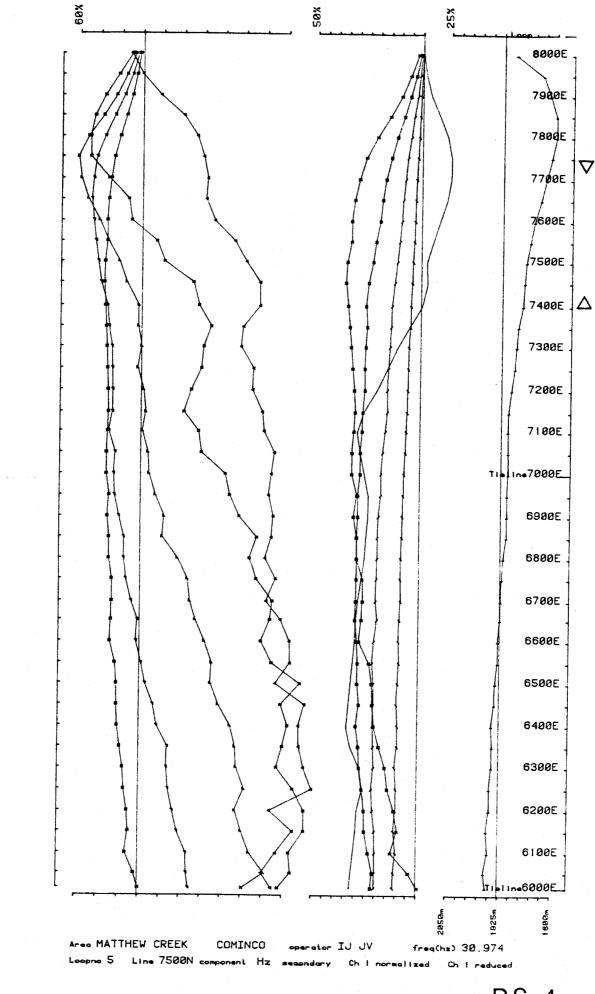




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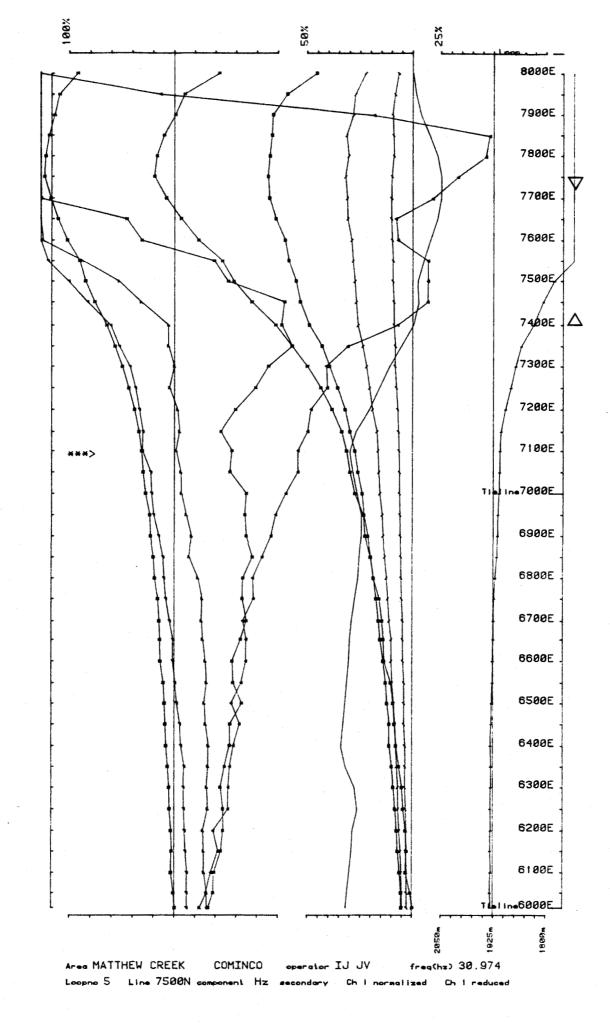
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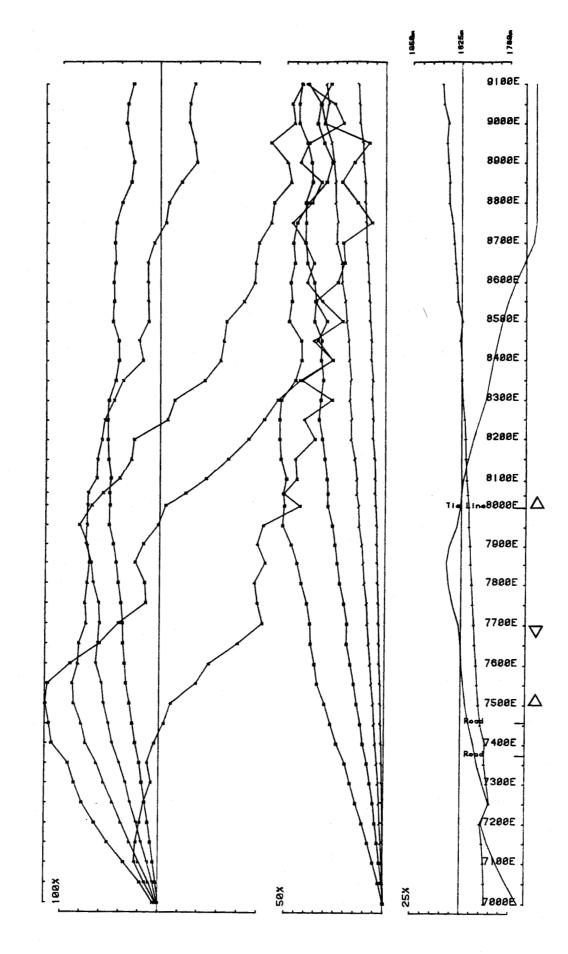


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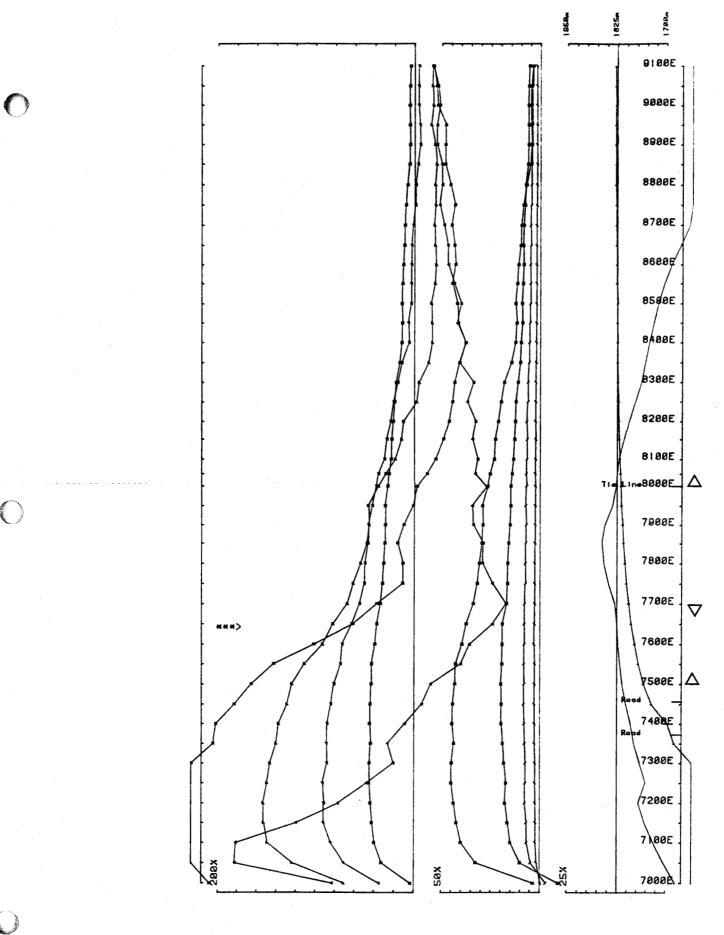
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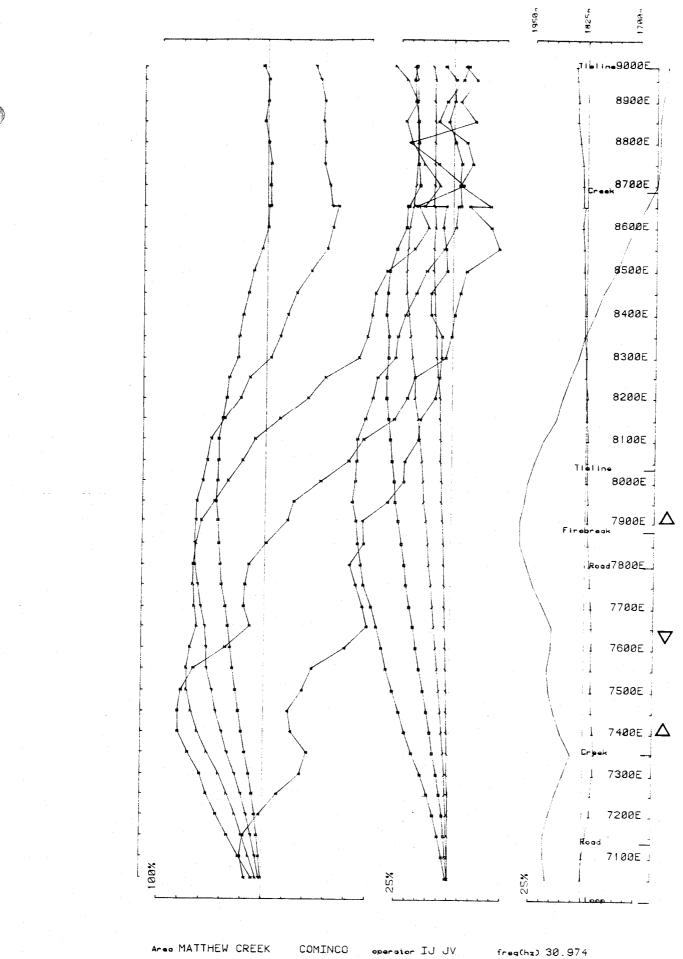
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D.S. 5a



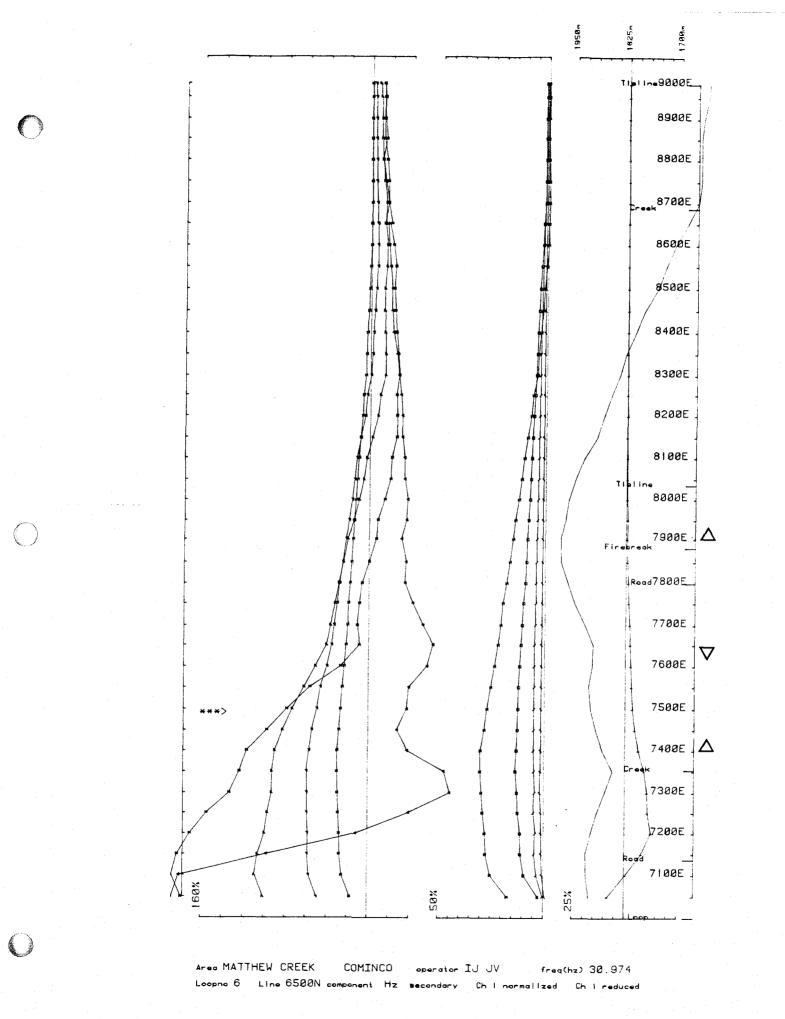
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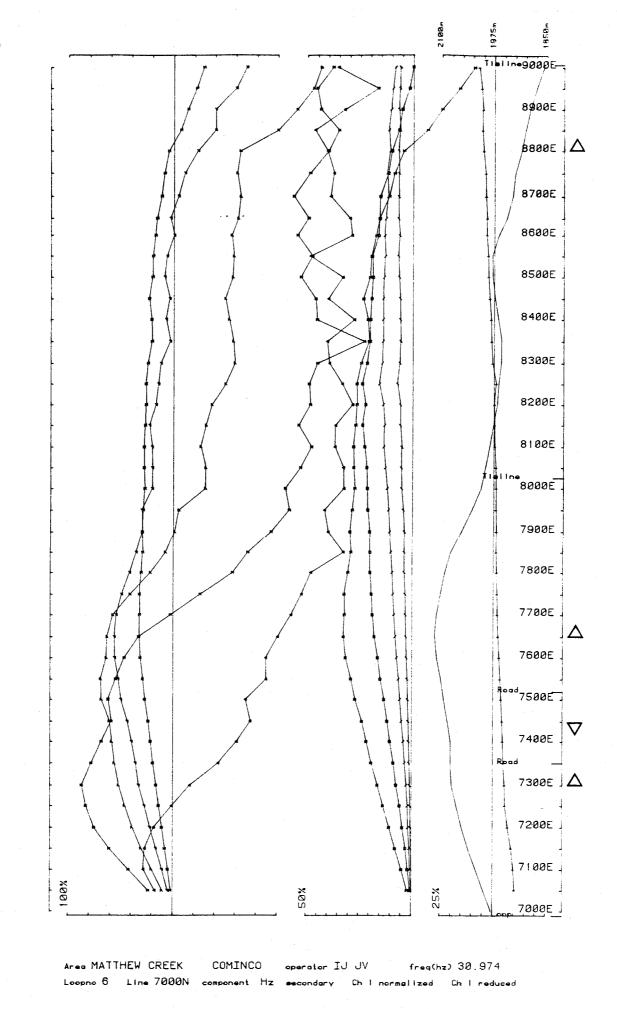
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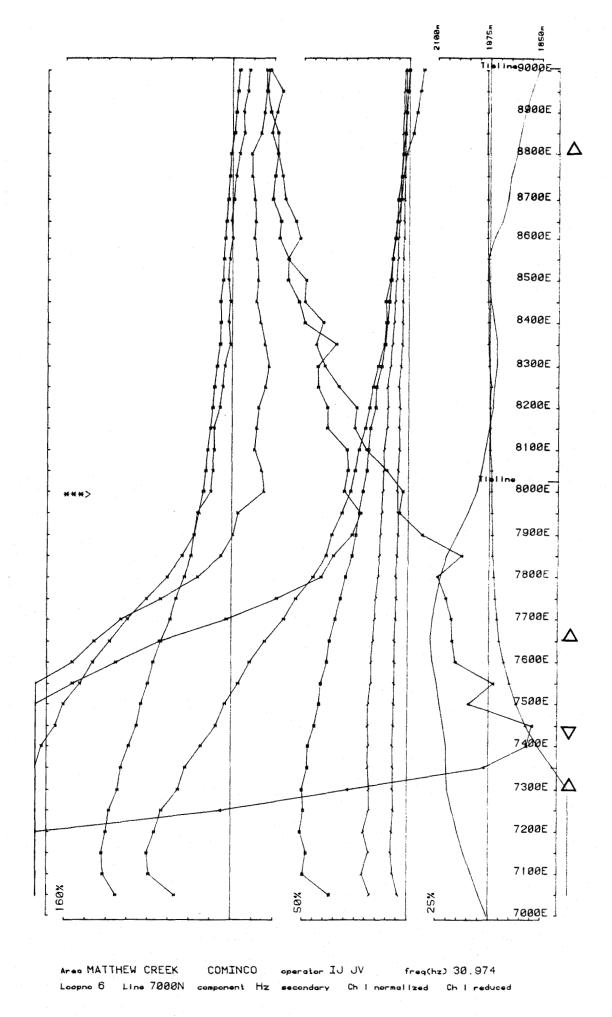


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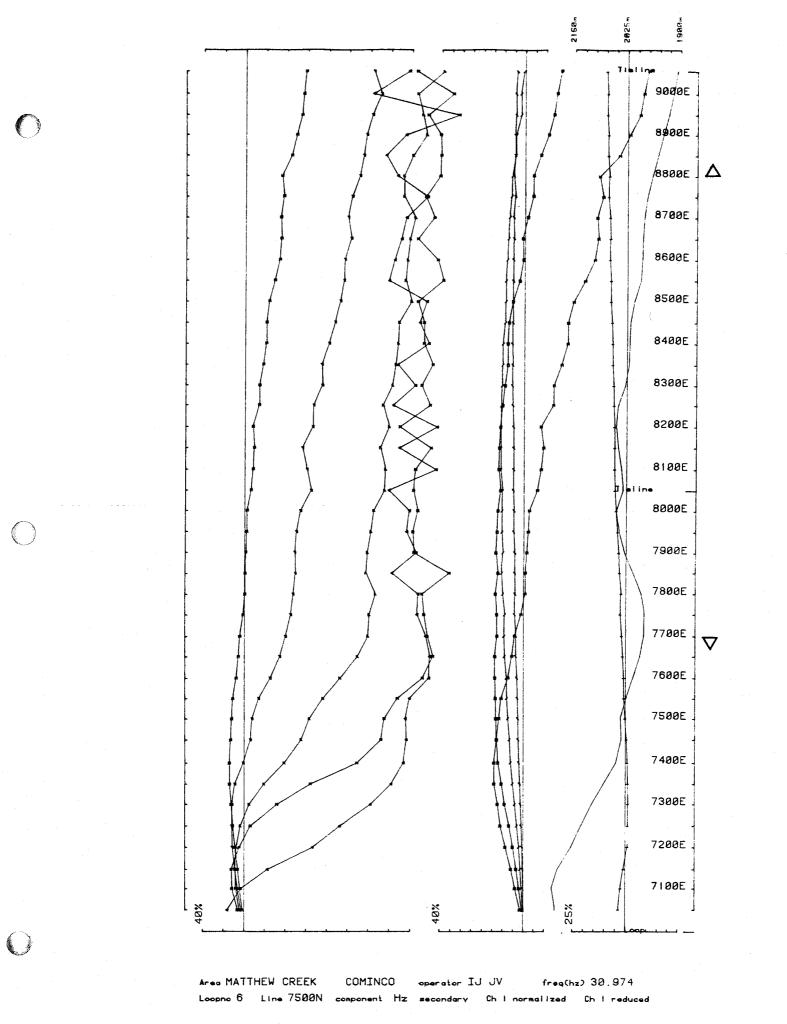
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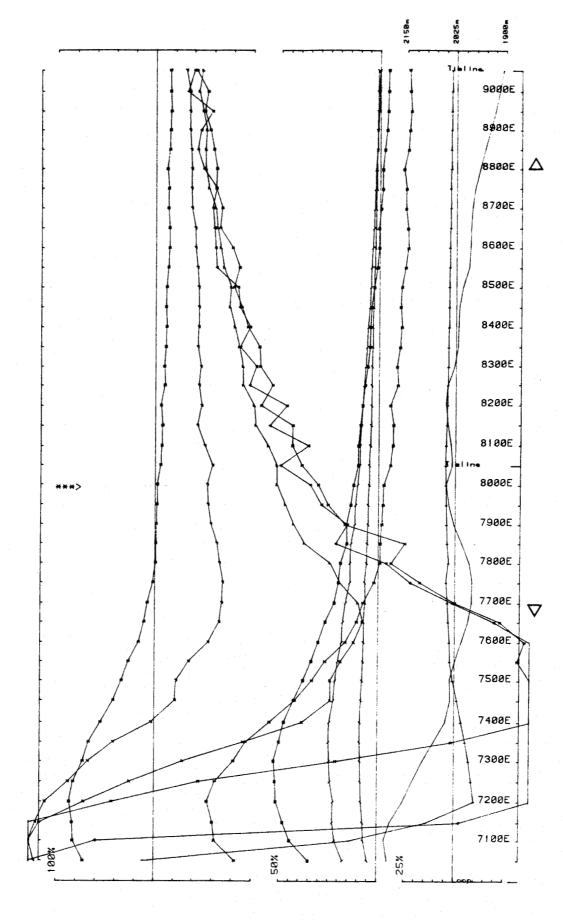
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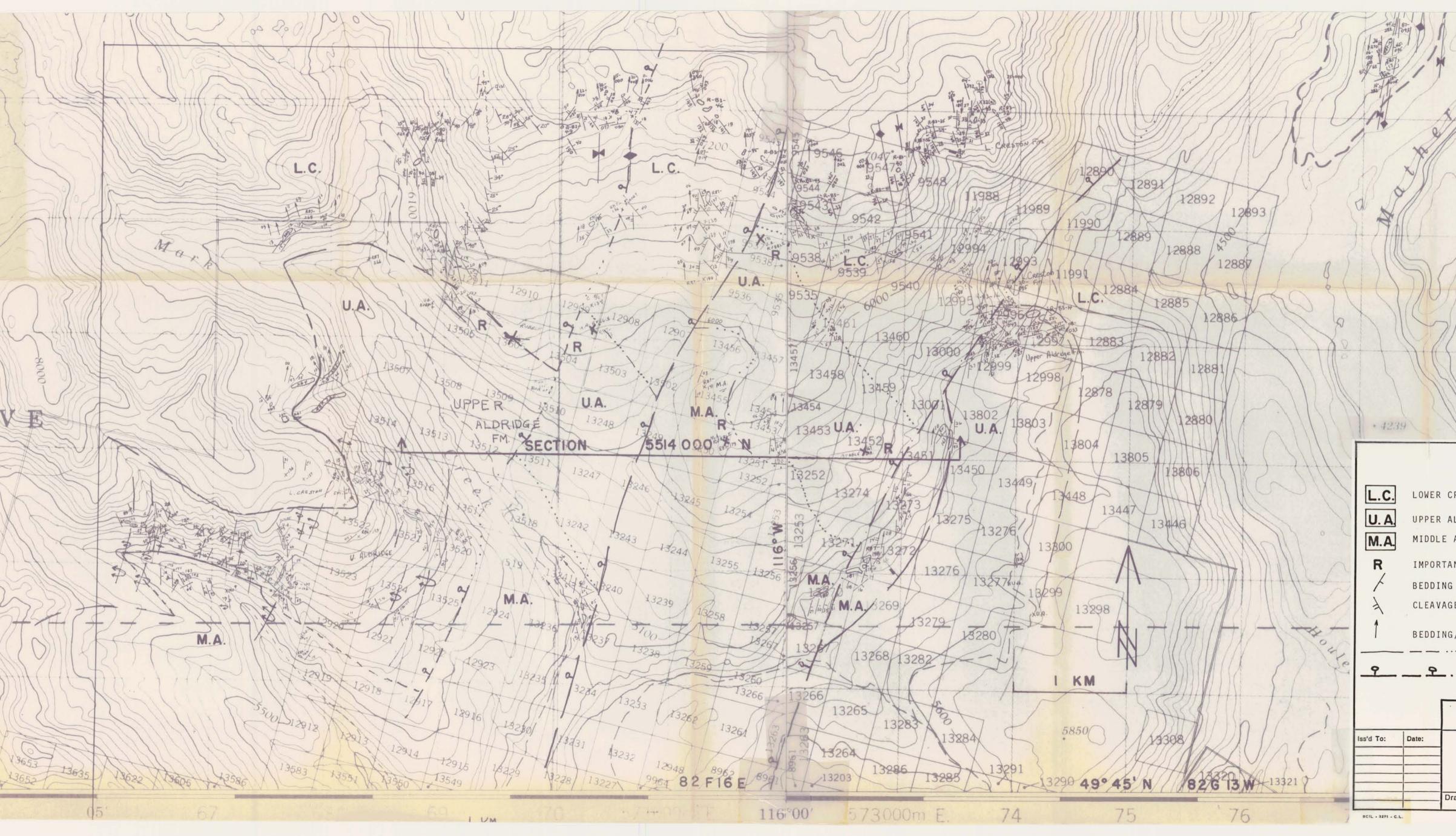


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UPPER MARK CREEK, SULLIVAN MINE ARE FAME PROGRAM REPORT - GRANT #10963- SULLIVAN PROJECT 1987 awn by: PWR Scale: Shown Date: February '88	

