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	Assessment Report		
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	DIAMOND DRILLING	DEC1 19	37
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	N.T.S. 82F/9E		
	- Assessment Report -		
لمر LATITUDE: 49° 40 [/]	7 n 727″	LONGITUDE: 1	16° 01' W Z4''
	OWNER OPERATOR	e	
	Cominco Ltd.		
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Box 2000 Kimberley, B.C. V1A 2G3

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Work performed during June, 1987 🛏 🚝 LOGICAI ESSMEN

Report by:

P.W. Ransom Project Geologist

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TABLE OF CONTENTS

Dee

		Fage
1.00 INTRODUCTION	••	1
1.10 Specific Location		. 1
1.20 Property Description		1
1.30 Drilling	• •	1
1.40 Claims Explored	• •	1
INDEX MAP	••	2
DRILLING SURFACE PLAN	•••	3
2.00 DETAILED TECHNICAL DATA AND INTERPRETATION		4
2.10 Drilling		
2.11 Objective	• • • • • •	4 4 4 4

APPENDICES:

A Drill Log and Analytical Data
B Sullivan Mine Group of Mineral Claims
C Statement of Expenditures
D Affidavit
E Statement of Qualifications

COMINCO LTD.

EXPLORATION

WESTERN DISTRICT

DIAMOND DRILLING REPORT

ROWAN GROUP

Fort Steele Mining Division

1.00 INTRODUCTION

1.10 Specific Location

DDH 6460, the hole being reported on, was drilled on North Star Hill, one half kilometer south of the Dreadnaught ski run. Access to the drill site is by exploration roads.

1.20 Property Description

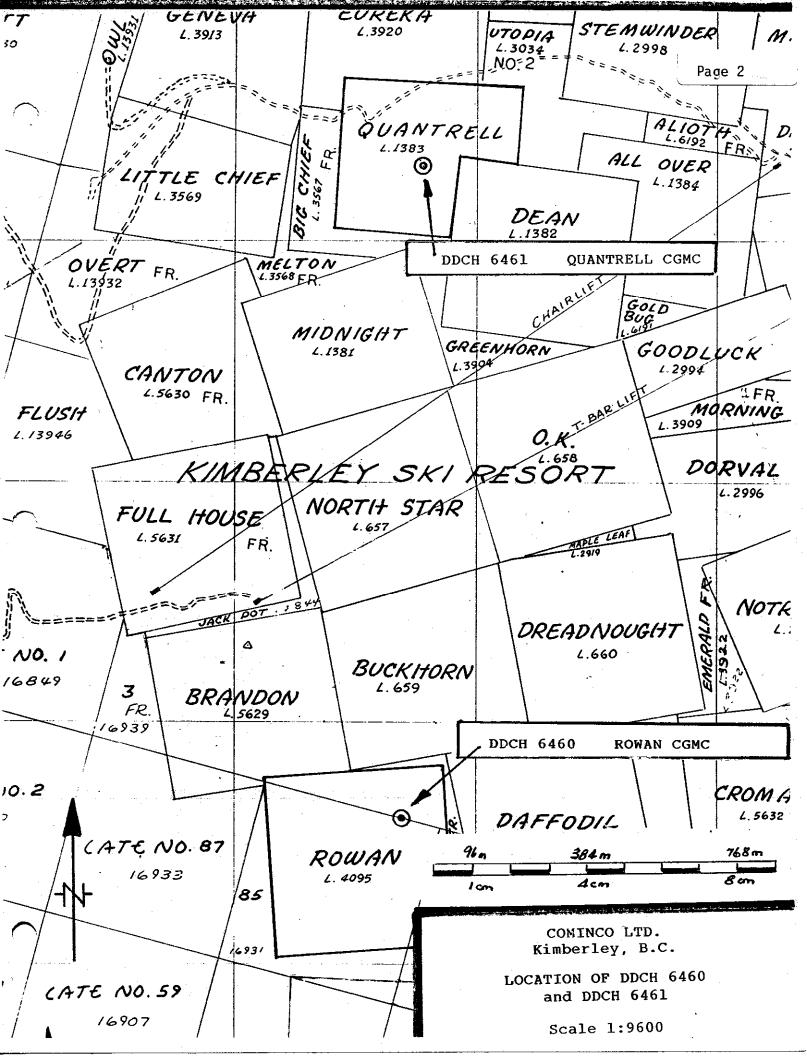
The property being investigated forms part of the Sullivan Mine claim group, owned by Cominco Ltd. Cominco has operated the mine for about 75 years. The Sullivan stratiform Ag-Pb-Zn-Fe sulphide deposit is one of the most important of its type worldwide and has contributed significantly to the mineral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

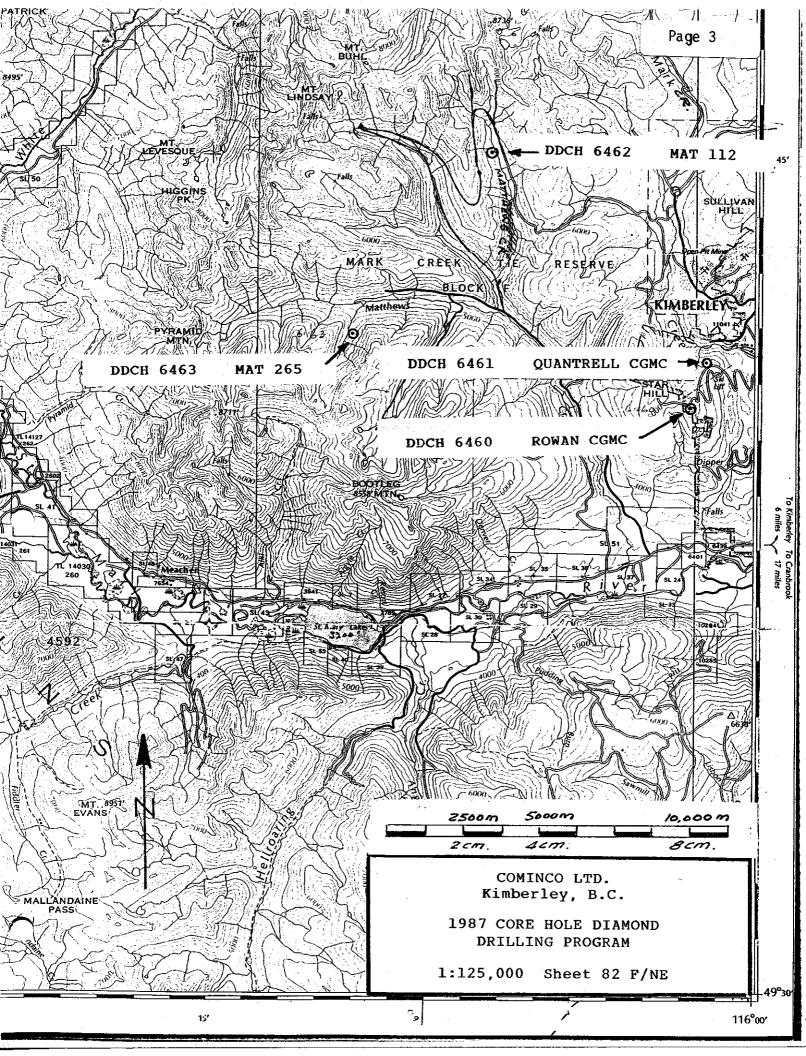
1.30 Drilling

One hole is being reported on. It was collared at -70° dip and was drilled to a depth of 167 meters using N wireline tools.

1.40 Claims Explored

DDH 6460 was drilled on the Rowan Crown Granted Mineral Claim.





Page 4

2.00 DETAILED TECHNICAL DATA AND INTERPRETATION

2.10 Drilling

2.11 Objective

The objective of drilling DDH 6460 was to locate stratiform Ag-Pb-Zn-Fe sulphide ore.

2.12 Results

DDH 6460 intersected siliciclastic sedimentary rocks typical of the area. Pyrrhotite was noted locally, disseminated as an accessory mineral as well as in a few thin fractures and seams.

2.13 Interpretation

0.0	-	21.3	M	Overburden
21.3	-	167.0	'n	Siliciclastic sedimentary rocks, Aldridge Formation.

2.14 Conclusion

DDH 6460 intersected siliciclastic sediments of turbidite and related origin, typical of the Middle Proterozoic Aldridge Formation.

Report by:

P.W. Ransom Project Geologist Cominco Ltd.

Endorsed by: Horn

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

Copies:

Mining Recorder (2) Western District Sullivan Mine Kootenay Exploration

APPENDIX A

Diamond Drill Geological Log For D.D.H. LAT. 5010 S DEP 0380 W ELEV. 5380' DIP: 70° AZIM: 270° LENGTH: 547' HORIZ. COMP. 187' VERT. COMP. 514' DATE COLLARED' June 22, 1987 DATE COMPLETED: June 23, 1987 CORE STORAGE: Open Pit Storage Area ORILLED ON CLAIM(S)' Rowan Crown Grant OBJECTIVE: To test electromagnetic anomaly.	6460 Page 1 GENERAL COMMENTS: Sperry Sun Readings Depth Azimuth(Cor.) 300 N87W 547 N85W	
PLANNED LENGTH: 500 feet TERMINATION COMMENTS: No significant sulphide mineralization was intersected. DRLLED BY: Tonto Drilling (B.C.) Ltd. TYPE ORILL: Longyear 38 CORE SIZE: NQ PERFORMANCE COMMENTS: Good productivity; used only WDS-120 Polymer and did not recirculate. Creek supply to shotcrete pool was insufficient and was necessary to haul water (Barker Contr.)		
CASING REMAINING IN HOLE (LENGTH & SIZE): 70' HWL + Shoe TYPE CAP & SEALING METHOD: 6" casing cap OTHER MATERIAL REMAINING IN HOLE: None SURVEY INSTRUMENT USED: Sperry Sun Single Shot ADDITIONAL DOWN HOLE TESTS:	LOG LEGEND BED THICKNESS CLASSIFICATION Very Thick Bedded Thick Bedded BEDS Medium Bedded Thin Bedded Thin Bedded Very Thin Bedded Usery Thin Bedded Thin Bedded Usery Thin Bedded	
	LAMINAE Laminated D.D.H. 6460	• •

1 Foot= 0.3048 metres

Drill Hole Rec	* • *		Cominco Page 2	ł		1	
Property	District Western/Ft	Steele M.D. Hole No. DDH6460			1		
Commenced	Location	Tesis at	Hor. Comp.				
Completed	Core Size	Corr. Dip	Vert, Comp.				
Co-ordinates		True Brg.	Logged by			ā	
Objective		% Recov.	Date	Claim	F 8ng.	Collar	ž
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Footage Des	cription				aiy 613		T.
0.0 - 70.0	Overburden						
70.0 115.0	Beauth continued redires			L			
70.0 - 115.0		ts, 50% recovery. Wacke, d dendritic staining; some p					
	(very top 3 feet only)	and pitted (pyrrhotite diss dding to core 620 9 80' and	olution); remainder is brow		-	-	
115.0 - 117.5		grey, flat parallel lam					1
	core 76°.	out; brown weathered zones	117.0 - 117.5. Bedding t	°			1
117.5 - 137.0	Maste edite men active	bedded with a few thick and	- Ann this had - and and				
117.5 - 137.0	are sharp to distinct and	flat. Nost buds have arg	illite and or subwacke top	× [1
		t internal lamination note parts of most beds; some d				J	1
1	of pyrrhotite; some fine de	ndritic staining. Sericite	alteration; flecks of seric		1	\perp	1-
	up to about 1 MR across thr	oughout. Bedding to core 74	• ₩ 126', 79º 137'.		_	<u> </u>	
137.0 - 155.0		, thick bedded with a few :				╄.	4_
		stinct and flat (some vague or subwacke tops 1-10 cm			+-	+	<u> </u>
1		tic staining. Bedding to co		<u> </u>	+	+	
155.0 - 164.0	Wacke and quartz wacke. med	ium grey, medium to thin be	dded, beds graded with 1-	з 📙	-	╂━	+
	ca argillite or subwacke	tops. Hany beds are composi-			_	_	4-
			معالية المتعامة والمتعادية والمستحد المستحد المستحد المعالية والمستحد المستحد				
	and faintly laminated base contacts sharp and flat.		s interturbidite sediment) t at the base of many of th			╉┯	+
		Pyrrhotite commonly present			+		
164.0 - 178.5	contacts sharp and flat. beds. Bedding to core 80° Quartz wacke with 20% wacke	Pyrrhotite commonly presen ∉ 162′. ; medium grey; medium and	t at the base of many of th thick bedded (with a fe				
164.0 - 178.5	contacts sharp and flat. beds. Bedding to core 80° Quartz wacke with 20% wacke	Pyrrhotite commonly presen @ 162'.	t at the base of many of th thick bedded (with a fe				
164.0 - 178.5	contacts sharp and flat. beds. Bedding to core 80° Quartz wacke with 20% wacke	Pyrrhotite commonly presen ∉ 162′. ; medium grey; medium and	t at the base of many of th thick bedded (with a fe				
164.0 - 178.5	contacts sharp and flat. beds. Bedding to core 80° Quartz wacke with 20% wacke	Pyrrhotite commonly presen ∉ 162′. ; medium grey; medium and	t at the base of many of th thick bedded (with a fe				
	contacts sharp and flat. beds. Bedding to core 80° Quartz wacke with 20% wacke thin beds); bed contacts sh	Pyrrhotite commonly presen ∉ 162′. ; medium grey; medium and	t at the base of many of th thick bedded (with a fe ps of srgillite or subwacke				
164.0 - 178.5 Drill Hole Rec	contacts sharp and flat. beds. Bedding to core 80° Quartz wacke with 20% wacke thin beds); bed contacts sh	Pyrrhotite commonly presen ∉ 162′. ; medium grey; medium and	t at the base of many of th thick bedded (with a fe				
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255.0 - 270.0 Quartz wacke, medium to light grey; medium and thick bedded with few thin beds; bed contacts sharp to distinct and flat; wague Bouma subdivisions in some beds (cross-laminations and parallel high flow regime lams); pyrrhotite scattered lightly through some beds, often concentrated near bases of beds. Bedding to core 84° 2 265'.

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270.0 - 285.0 Quartz wacke 60%, wacke, subwacke, argillite 40%, medium grey, thin bedded with a few medium beds; bed contacts generally sharp to distinct, most are flat but some are wavy; cross-laminations noted in several beds. Pyrrhotite is disseminated

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Property Database Total model Total model Communicad Location Tell at 1 Vert Comp. Completed Core Bits Core Dip Vert Comp. Communication Trive Brg. Location Trive Brg. Continues Stance Data Stance Continues Stance Data Stance Continues Stance Data Stance Continues Stance Data Stance Control Stance Data Stance Control Stance Data Stance Control Stance Stance Stance Stance		. District	Hole No. DDH6460		1	[[1
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Objective % Necov. Date E B B consume 10							8	
Description Description 270.0 - 285.0 in most thin quartz wacks bads and weakly disessinated in the thicker quartz wacks bads some is electrically conductive 1-2 cs parallel to bedding. Several types of fine parallel, fist lasinations cocur over a faw as up to 10 cs. Bedding to core 88° 282'. 285.0 - 305.5 Quartz wacks 70%, wacks with kinor subwacks and argillite 30%; medius grey; medius bedded with a few thick and a faw thin beds: shout 20% interval (mostly quartz wacks) has very fine and faint parallel file laselles (one set at 286.3' have an angular discordance that does not oppert to be a synesimentary fault but, possibly, cross-laminations that are not tangential 42 the base); bed contacts disseminated in most bedd especialbilly even probotice is weakly to sachartally pyrthotite is electrically connected across disseter of cores in a faw places. Bedding to core 95° 9 286'. 305.5 - 327.5 Quartzwacks and wacks, addius grey; difficult to describe bedding - 75% of interval is lasinite generally in medius to thick packages with coreasional thin argillite or situtome parting 0.3 to 4 car. Pyrthotite is typically weskly dissented with a faw thin but continuous essas and one 10 cs calcite-pyrthotite zone st 327.5 - 339.0 327.5 - 339.0 Quartzwacks and wacks alternating over 0.5 - 3.0 foot interval, sedius grey, medius bedded with aces thin bads, about 50% of interval, sedius grey, idaina bedded with core 330' and 65° 9 356'. 359.0 - 382.0 Quartzwacks and wacks, acdius grey, thin and accorect from sharp to vague and flat; about 70% of interval is lasinite in which about 5k is 359.0 - 382.0 Quartzwacks and wacks, sedius grey, thin and asedius bedded, bed contacts fr					E	ģ	2	
Description Amages 270.0 - 285.0 in sest thin quartz wacks beds and weakly disseminated in the thicker quartz wacks be seeme is also frictually conductive 1-2 ca parallel to bedding. Several types core 88° 9 282'. Several types 285.0 - 305.5 Quartz wacks with minor subwacks and argillite 30%, sedium grey; sedium bedded with a few thick and a few thin beds: about 22% interval (mostly quartz wacks) has very fine and faint parallel filts leasiles contact: the dead with a few thick and flat to slightly wary; partholite is weakly to adderately diriched a locations that does not appear to be a syneedisentery fault but, possibly, cross-leminations (cepecially 20 ca at 50° and in a sinor alung at 25%'); diriched an insertically is can at 50° and in a sinor alung at 25%'); diriched an insertically is can at 50° and in a sinor alung at 25%'); diriched an insertically is can at 50° and in a sinor alung at 25%'); diriched an insertically is can at 50° and in a sinor alung at 25%'); diriched an advectore appendix arrows and one 10 can calcide-pyrrhotit zons at 200, the sense ally conserved and one to can calcide-pyrrhotite zons at 220.0; the sense are electrically continuous. Bedding to cores 80° 9 307' and 80° 9 232'. 327.5 - 339.0 Quartzwacke and wacks attracting over 0.5 - 3.0 footi intervals. sedium grey; mide mode distinct to vegue and definition if individual beds is often difficult to deterning pyrrhotite is weakly discentered at the bases of several beds, form anserous continuous (physically and electrically) langeliee 0.5 to 9 an wide and cone concretion-like structure 10 ca in disester (331.5'). Bedding to core 8 330' and 86° 9 356'. 359.0 - 382.0 Quartzweacke and weake, modum grey, thin and medum beddad, bed contacts fros maherp to vegue and flat; a	Objective		<u>A RSWI.</u>			Ë	3	Elev
270.0 - 285.0 in most thin quartz wacke beds and weakly disseminated in the thicker quartz wacke beds; some is electrically conductive 1-2 caparallel to bedding. Several types of fine persiles], fist laminations accour over a few as up to 10 cm. Bedding to core 86° 222'. 285.0 - 305.5 Guntzt wacke with minor subwacks and argillits 2005; madium gray; madium bedded with a few thick and a few thin beds; about 25% interval (mostly quartz wacke) has very fine and fain parallel lat laminations consected account over a symmediamizery fault but, possibly, cross-laminations that does not appear to be a symmediamizery fault but, disseminated in most basis (sepseilally 10 cm at 505° and in a minor slump at 256'); pyrrhotite is electrically connected across dissets: of core in a few places, Bedding to core 85° 256'. 305.5 - 327.5 Guartzwacke and wacke, medium grey; difficult to describe bedding - 75% of interval is laminite partsleily continuous. Bedding to core 85° 2005'. 305.5 - 327.5 Guartzwacke and wacke, medium grey; difficult to describe bedding - 75% of interval is laminites act and sole (appecially continuous. Bedding to core 85° 2005'); 305.5 - 327.5 Guartzwacke and wacke, medium grey; difficult to describe bedding - 75% of interval is laminites bedding to core 85° 205'. 305.5 - 327.5 Guartzwacke and wacke alternating over 0.5 - 3.0 foot interval is laminite; bedding to core at 320.0; the seams are electrically continuous. Bedding to core 85° 2007' and 85° 4 335'. 327.5 - 359.0 Guartzwacke and wacke alternating over 0.5 - 3.0 foot interval is laminite; bedding to core 85% and wacke subscore insure of continuous (pointerval is core at disectrically) inselse of several bedding to co		A		······································		lysis		
Cont'd. Deds; some is electrically conductive 1-2 cs parallel to bedding. Several types of fine parallel, fist laminations occur over a few ma up to 10 cs. Bedding to core 88° 2 262'. 285.0 - 305.5 Quartz wacke 70%, wacke with minor subwacke and argilite 30%; madum grey; madum grey; making the few thick and a few thin beds; about 25% interval (aceting quartz wacke) has very fine and faint parallel fit lamelies (one set at 288.3' have an angule discordance that does not appear to be a sumedisentary fault but, possibly, cross-leminations that are not tangential at the base); bed contacts sharp to distinct and fist to alightly wery pyrrhotito to adcartaly diseasinated in most bads (sepecially 10 cm at 303° and in a minor alung at 296'); pyrrhotite is electrically connected across disester of core in a few places. 305.5 - 327.5 Guartzwacke and wacke, medium grey; difficult to describe bedding to core 85° # 296'. 305.5 - 327.5 Guartzwacke and wacke, medium grey; difficult to describe bedding to core 85° # 307' and 85° # 327.9 the sense are electrically continuous. Bedding to core 85° # 307' and 85° # 327.5 - 359.0 327.5 - 359.0 Guartzwacke and wacke alternating over 0.5 - 3.0 foot intervals, medium grey; madium bedded with ease thin beds, about 50% of interval is laminite; bedding contacts discipt to rew and definition if individual beds is contact from discreter (33.3'). 327.5 - 359.0 Guartzwacke and wacke, asdium grey, thin and medium bedded, bed contacts from elargitor and and one concretion-like structure 10 cs in disester (33.5'). 359.0 - 382.0 Guartzwacke and wacke, sedium grey, thin and medium bedded, bed contacts from elargit to vegue and flat shout 70% of interval is lamini						+	╋─	\vdash
of fine perallel, flat leminations occur over a faw am up to 10 cm. Bedding to core 88° 2 22'. 285.0 - 305.5 Guartz wecke 70%, wacke with minor subwacke and argillite 30%; medium grey; medium bedded with a faw thick and a faw thin bedes about 25% interval (mostly quartz wecke) has very fine and faint perallel flat lemilee (one set at 280.3' have an angular discordance that does not appear to be a symsedimentary fault but, possibly, cross-leminations that are not tangential the base) bed contacts charp to distinct and flat to might wary; pyrrhotits is weekly to moderately dissemented in mack bedde (specially 10 cm 48 305° and in a minor submat 25%'); pyrrhotits is electrically connected ecross dissets of core in a faw places. 305.5 - 327.5 Guartzwacke and wacke, medium grey; difficult to describe bedding to core 85° e 307' and escination one site of thick parchitis zone at 220.0') the means are electrically continuous. Bedding to core 85° e 307' and 85° e 322'. 327.5 - 359.0 Guartzwacke and wacke alternating over 0.5 - 3.0 foot intervals, medium grey; medium bedded with ease thin beds, about 50% of intervals, medium grey; medium bedded with ease thin beds, about 50% of intervals, medium grey; medium bedded with ease thin beds, about 50% of intervals, medium grey; and size from a first site of a serie pyriotita is weekly diseminated in to be series of severe 10 cs in disecter (31.5'). Bedding to core 8 30' and 85° e 355'. 359.0 - 382.0 Guartzwacke and wacke, medium grey; thin and medium bedded, bed contacts from sharp to vegue and definition if individue to a in disecter (31.5'). Bedding to core 8 30' and 350' for interval is leminite in which about 5% is 359.0 - 382.0 Guartzwacke and wacke, medium grey; thin and medium bedded, bed contacts f						+	┿─	<u>+</u>
285.0 - 305.5 Guartz wacke 70%, wacke with minor subwacke and argillite 30%; madium gray; madium bedded with a few thick and a few thin beds; mbout 25% interval (mostly quartz wacke) has very fine and faint parallel flat lambles (sour at 288.7) have an angular discordance that does not appear to be a synaediaentary fault but, possibly, cross-lambiations that are not tangential the base); bed contacts eherp to distinct and flat to slightly wery; pyrnotite is the weakly to moderately discordance that does not appear to be a synaediaentary fault but, possibly, cross-lambiations that are not cangential to the base); bed contacts eherp to distinct and flat to slightly wery; pyrnotite is weakly to moderately discordance in sock beds (especially 10 cos at 303° and in a minor slump at 256'); pyrnotite is electrically connected across disaeter of core in a few places. Bedding to core 89° 2 25'. 305.5 - 327.5 Guartzwecke and wacke, madium grey; difficult to describe bedding - 75% of interval is laminite generally in medium to thick packages with occasional thin argillite or siltetone parting 0.3 to 4 cm. Pyrnotite is the shelly disseminated in core 85° 8 307' and 85° 9 322'. 327.5 - 359.0 Guartzwecke and wacke alternating over 0.5 - 3.0 foot interval is laminte) bedding contacts distinct to vegue and definition if individual bede is often difficult to determine pyrnotit is weakly disseminated in come bed, cocresly disseminated et the bases of several beds, form numerous continuous (physically and electricelly) lamellare 0.5 to 3 ms wide and one concretion-like structure 10 cm in disever (331.5'). Bedding to core 8 30' and 86° 8 356'. 359.0 - 382.0 Guartzwecke and wacke, sedium grey, thin and medium bedded, bed contacts from aher pto yague and flat; about 70% of interval is laminite in which about 5% is	of	fine perallel, flat lamina			i	+	+	+
bedded with a few thick and a few thin beds; about 25% interval (score); quartz weeke) has very fine and faint parallel flat larelise (one set at 28.3' have an angular discordance that does not appear to be a symedisentary fault but, possibly, cross-leminations that are not tangential at the base) hed contacts sharp to distinct and flat to slightly wery; pyrrhotite is weakly to moderately disseminated in scote bed (sepecially 10 or at 295 '); pyrrhotite is electrically connected across disenter of core in a few places. Bedding to core 89° # 295'. 305.5 - 327.5 Guartzwacke and weake, medium grey; difficult to describe bedding - 75% of interval is lamints generally in medium to thick packages with occasional thin argillite or slitetone parting 0.3 to 4 cm. Pyrrhotite is typically weakly disseminated with a few thin but continuous sease and one 10 cm calcite-pyrrhotite zone at 320.0; the sease are electrically continuous. Bedding to core 85° # 307' and 65° # 327'.5 - 359.0 Guartzwacks and wacke alternating over 0.5 - 3.0 foot intervals, medium grey, medium bedded with some thin beds, about 50K of intervals, medium grey, inselue or 0.5 to 3 as wide and one concretion: she bedding to core slite interval is learnite; bedding to describe is weakly diseminited in some beds, correaly diseministed in some beds, correaly diseminister (331.5'). Bedding to core 8 330' and 86° # 356'. 359.0 - 382.0 Guartzwacke and wacke, medium grey, thin and medium bedded, bed contacts from sharp to vague and flat; about 70% of interval is laminite in which about 5% is Drill Hole Record Konton Tests at Hor. Comp. Commined Locati		ra 88° 9 282'.				+	╂	╂
wecke) has very fine and faint praile! fiel isselice (one set at 286.3' have an angular discordance that does not appear to be a synaedisentary fault but, possibly, cross-leminations that are not tengential at the base); bed contacts sharp to distinct and flat to alightly wery; pyrhotite is weakly to moderately disseminated in most bade (sepscially 10 cm at 303° and in a minor aluap at 286'); pyrhotite is electrically connected acrose disseries of core in a few places. Bedding to core 89° # 296'. 305.5 - 327.5 Guartzwacke and wacke, madium grey; difficult to describe bedding - 75% of interval is leminite generally in madium to thick packages with occasional thin argilite or siltetone parting 0.3 to 4 cm. Pyrhotite is typically weakly disseminated with a few thin but continuous seams and one 10 cm calcite-pyrhotite zone at 320.0; the seams are electrically continuous. Bedding to core 85° # 307' and 65° # 322'. 327.5 - 359.0 Guartzwacke and wacke alternating over 0.5 - 3.0 foot intervals. medium grey, madum bedded with some thin beds, about 50% of intervals. medium grey, madum bedded with some thin beds, about 50% of intervals. medium grey, madum bedded with some thin beds, about 50% of interval is leminite; bedding contacts disting to core # 330' and 86° # 356'. 327.5 - 359.0 Guartzwacke and wacke, sectury disseminated in some beds, cocarely disseminated at the bases of several beds, forms numerous continuous (physically and electrically) inmeller 0.5 to 3 m wide and one concretion-like beds, bed contacts from sharp to vague and flat; about 70% of interval is leminite in which about 5% is 359.0 - 382.0 Guartzwacke and wacke, sedium grey, thin and medium bedded, bed contacts from sharp to vague and flat; about 70% of interval is leminite in which about 5% is <t< td=""><td></td><td></td><td></td><td></td><td></td><td>+</td><td>╋</td><td>┼─</td></t<>						+	╋	┼─
an angular discordance that does not appear to be a synaedisentary fault but, possibly, cress-laminations that are not tangential at the base); bed contacts sharp to distinct and flat to slightly wavy, pyrthotits is weakly to addrastaly disseminated in most beds (sepscially) to can at 303° and in a minor slump at 296'); pyrthotits is electrically connected across dismeter of core in a few places. Bedding to core 89° # 296'. 305.5 - 327.5 Guartzwacke and wacke, medium grey; difficult to describe bedding - 75% of interval is laminite generally in medium to thick packages with occasional thin argillite or siltstone parting 0.3 to 4 cs. Pyrthotite is typically weakly disseminated with a few thin but continuous seems and one 10 cm calcite-pyrthotite zone at 320.0; the sems are electrically continuous. Bedding to core 85° # 307' and 85° # 322'. 327.5 - 359.0 Guartzwacke and wacke alternating over 0.5 - 3.0 foct intervals, medium grey, medium bedded with scae thin beds, about 50% of interval is leminite; bedding contacts distinct to vague and definition if individual beds, ocarsely disseminated (331.5'). Bedding to core # 330' and 86° # 356'. 359.0 - 382.0 Guartzwacke and wacke, medium grey, thin and medium bedded, bed contacts from sharp to vague and flat, about 70% of interval is leminite in which about 5% is 359.0 - 382.0 Guartzwacke, medium grey, thin and medium bedded, bed contacts from sharp to vague and flat, about 70% of interval is leminite in which about 5% is Drill Hole Record Commenced Location Property District Hole No. DDH6460 Commenced Location Tests st Hor. Comp. </td <td></td> <td></td> <td></td> <td></td> <td></td> <td>+</td> <td>┼─</td> <td>+</td>						+	┼─	+
eharp to distinct and flat to slightly ways pyrhotite is weakly to moderately disseminated in most bads (especially 10 or at 900° and in a minor slup at 295'); pyrhotite is electrically connected acrose diameter of core in a few places. Bedding to core 890° # 296'. 305.5 - 327.5 Guartzwacks and wacks, medium grey, difficult to describe bedding - 75% of interval is laminite generally in medium to thick packages with occasional thin argillite or siluscome parting 0.3 to 4 cm. Pyrhotite is typically weakly diseminated with a few thin but continuous seems and one 10 cm calcite-pyrhotite is a 200.01 the means are electrically continuous. Bedding to core 85° # 307' and 85° # 322.2 327.5 - 359.0 Guartzwacks and wacks alternating over 0.5 - 3.0 foot intervals, medium grey, medium bedded with scare thin beds, about 50% of interval is laminite; bedding contacts distinct to vegue and definition if interval is laminite; bedding contacts distinct to vegue and definition if interval is laminite; bedding contacts distinct to vegue and definition if interval is laminite; bedding contacts distinct to vegue and definition if interval is laminite; bedding contacts distinct to vegue and definition if interval is laminite; bedding contacts distinct to vegue and definition if interval is laminite; bedding contacts distinct to vegue and definition if interval is laminite in which about 5% is Drill Hole Record Property District Hole No. D0H6460 Property District Location Commenced Location Commenced Commence Co		angular discordance that d	pes not appear to be a	synsedimentary fault but,		+	+-	+
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Bedding to core 89° # 296'. 305.5 - 327.5 Guartzwecke and wacke, medium grey; difficult to describe bedding - 75% of interval is leasinite generally in medium to thick packages with occessional thin argillite or siltstone parting 0.3 to 4 cz. Pyrzhotite is typically weakly diseanineted with a few thin but continuous seams and one 10 cz calcite-pyrzhotite zone at 320.0; the seams are electrically continuous. Bedding to core 85° # 307' and 65° # 322'. 327.5 - 359.0 Guartzwacks and wacke alternating over 0.5 - 3.0 foot intervals, medium grey; medium bedded with come thin beds, about 50% of interval is leasinite; bedding contacts distinct to vegue and definition if individual beds is often difficult to determine; pyrzhotite is weakly dissemineted in some beds, coarsely dissemineted at the bases of several beds, form numerous continuous (physically and electrically) lamelles 0.5 to 3 as wide and one contraction-like structure 10 cm in disaster (331.5'). Bedding to core 830' and 85° # 35'. 359.0 - 382.0 Guartzwecks and wacks, medium grey, thin and medium bedded, bed contacts from sharp to vegue and flat; about 70% of interval is leasinite in which about 5% is Drill Hole Record Image: Property Property District Commence Location Commence Core Size Commence Core Size	di	sseminated in most beds (e	specially 10 cm at 303° and	in a minor slump at 296');	\vdash	4	+-	+
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or siltstone parting 0.3 to 4 cm. Pyrnotite is typically wakly dissainated with a few thin but continuous seams and one 10 cm calcite-pyrhotite zone at 320.0; the seams are electrically continuous. Bedding to core 85° 8 307' and 65° 8 322'. 327.5 - 359.0 Guartzwacks and wacks alternating over 0.5 - 3.0 foot intervals. medium grey, medium bedded with some thin beds, about 50% of interval is laminite; bedding contacts distinct to vague and definition if individual beds is officially to determine; pyrrhotite is weakly disseminated in some beds, coarsely disseminated at the bases of several beds, forms numerous (physically and electrically) inmeliee 0.5 to 3 nm wide and one concretion-like structure 10 cm in diameter (331.5'). Bedding to core 8 30' and 86° 8 356'. 359.0 - 382.0 Guartzwacks and wacks, medium grey, thin and medium bedded, bed contacts from sharp to vague and flat; about 70% of interval is laminite in which about 5% is Drill Hole Record Image: Hole No. D0H6460 Property Diated: Hole No. D0H6460 Commenced Location Tests at Hor. Comp.						╋	+—	┢
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medium bedded with some thin beds, about 50x of interval is laminite; bedding contacts distinct to vague and definition if individual beds is often difficult to determine; pyrrhotite is weakly disesminated in some beds, coarsely disesminated at the bases of several beds, forms numerous continuous (physically and electrically) lamellee 0.5 to 3 mm wide and one concretion-like structure 10 cm in dismeter (331.5'). Bedding to core 6 330' and 85° 6 356'. 359.0 - 382.0 Guartzwacke and wacke, medium grey, thin and medium bedded, bed contacts from sharp to vague and flat; about 70% of interval is laminite in which about 5% is Drill Hole Record Image: Second Secon	327.5 - 359.0 Bu	artzwacke and wacke alterna	ting over 0.5 - 3.0 foot	intervals. Redius grav.	 	+	╉╼╾	┼──
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at the bases of several beds, forms numerous continuous (physically and electrically) lamelise 0.5 to 3 mm wide and one concretion-like structure 10 cm in dismeter (331.5'). Bedding to core 8 330' and 85° 8 356'. 359.0 - 382.0 Guartzwacks and wacks, medium grey, thin and medium bedded, bed contacts from sharp to vague and flat; about 70% of interval is laminite in which about 5% is Drill Hole Record Image: several beds, forms numerous concretion-like structure 10 cm in dismeter Property District Hole No. DDH6460 Commenced Location Commenced Core Size Commenced Core Size						╺╋┯╼	╉──	+
(331.5'). Bedding to core # 330' and 85° # 356'. 359.0 - 382.0 Quartzwacke and wacke, medium grey, thin and medium bedded, bed contacts from sharp to vague and flat; about 70% of interval is laminite in which about 5% is Drill Hole Record Property District Hole No. DDH6460 Commenced Location Commenced Core Size	at	the bases of several beds,	forms numerous continuous (physically and electrically)		+	+	╇
359.0 - 382.0 Quartzwacke and wacke, medium grey, thin and medium bedded, bed contacts from sharp to vague and flat; about 70% of interval is laminite in which about 5% is Image: Contacts from sharp to vague and flat; about 70% of interval is laminite in which about 5% is Drill Hole Record Image: Contacts from sharp to vague and flat; about 70% of interval is laminite in which about 5% is Property District Hole No. DDH6460 Commenced Location Tests at Commenced Core Size Corr. Dip Vert. Comp. Vert. Comp.				tructure 10 cm in diameter		+	╉	╧
Sharp to vague and flat; about 70% of interval is laminite in which about 5% is Drill Hole Record Image: State flat (State in the state in the	-		1				╀—	+
Drill Hole Record District Hole No. DDH6460 Property District Hole No. DDH6460 Commenced Location Tests at Completed Core Size Corr. Dip					. –	+	┥	╇
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Property District Hole No. DDH6460 Commenced Location Tests at Hor. Comp. Completed Core Size Corr. Dip Vert. Comp.		<u> </u>	······					
Property District Hole No. DDH6460 Commenced Location Tests at Hor. Comp. Completed Core Size Corr. Dip Vert. Comp.		en la seconda de la second			1 E	1	ſ	(
Commenced Location Tests at Hor. Comp. Completed Core Size Corr. Dip Vert. Comp.	Drill Hole Record			Page 5			Į	1
Commenced Location Tests at Hor. Comp. Completed Core Size Corr. Dip Vert. Comp.								
Completed Core Size Corr. Dip Vert. Comp.	Property	District	Hole No. DDH6460					
Completed Core Size Corr. Dip Vert. Comp. a Co-ordinates True Brg. Logged by a	Commenced	Location	Tests at	Hor. Comp.		1		
Co-ordinates True Brg. Logged by	Completed	Core Size	Corr. Dip	Vert. Comp.				
	Co-ordinates		True Brg.	Logged by			a	

Co-ordinates	True Brg. Logged by	<u> </u>	1.	ā	
Objective	% Recov. Date		Brg.	ollar	lev.
Footage Desc	iption		ii- alysis	<u>10</u>	T T
359.0 - 382.0 Cont'd.	ergillite as bands 1 to 10 mm thick and having sharp flat top and bottom contacts; pyrrhotite is weakly to moderately disseminated in most beds, some coarser pyrrhotite blebs (to 2X5 mm) concentrated near bases of several beds, and some pyrrhotite lamellae 0.5 to 3 mm wide. Bedding to core 86° 2030'.				
362.0 - 421.5	Quartz arenite, very light grey, thick bedded with a few medium beds. Bed contacts are sharp, generally wavy, several beds have soft spots indicating probable amalga- mation of beds: grains in most beds are medium and fine sand size; about 15% of interval is argillaceous tops and thin beds of quartz arenite, quartzecke to wacke, subwacke, argillite; pyrrhotite present as faint disseminations both in beds and in steep cross-cutting zones and narrow quartz veins. Bedding to core 81° @ 387', 80° @418'. Entrained clast 10 cm across in 30 cm bed © 375'.				
421.5 - 440.0	Quartzwacke, possible some quartz arenite, with subwacke/argillite tops about 0.5 - 1 cm thick and predominantly subwacke/argillite intervals up to 20 cm thick, medium grey, 30% laminite, medium and thin bedded, bed contacts are sharp and generally flat (large flame at base of 30 cm bed at 436', dark argillite clast in 20 cm bed at 432'), dendritic mottling in some beds. Pyrrhotite is present in about half of the non-laminite beds, often near bed bases, and is parallel to bedding in some laminated subwacke/argillite. Bedding to core 85° E 437'.				
440.0 - 446.5	Quartzwacke, two thick (45 cm & 63 cm) beds, separated by 80 cm of wacke and quartz- wacke, thin beds and laminite, medium grey, bed contacts sharp and flat. Scattered pyrrhotite in the non-laminite beds; coarse blebs near tops of thick beds.			+	
446.5 - 486.0	Wacke, minor subwacke, argillite and quartzwacke, medium to dark grey, predominantly laminite with subwacke/argillite beds spaced generally at 1 to 30 cm intervals, probable silicification makes most of this interval appear much harder than wacke, from 452' sericite flakes with minor calcite are common form of alteration. Fine scattered pyrrhotite noted in much of the laminite 1 to 3 mm ling grains sometimes forming continuous layers are in the subwacke/argillite beds. Bedding to core $82^\circ \in 450^\circ$, $81^\circ B 484^\circ$.				

211-0437

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Drill Hole Rec	ord						Page 6					
Property	Dist	rict		Hole No. DDH646	50	_						
Commenced	Loci	ation		Tests at		Hor. Comp.						
Completed	Core	a Size		Corr. Dip		Vert. Comp.						
Co-ordinates		• <u>•••</u> ••		True Brg.		Logged by					ğ	
Objective			· · ·	% Recov.		Date			E	28 19		5
Opecare									×		8	lev.
Footage Des From To	scription			· · · ·					Anal	ysis		Ţ
											·	1
486.0 - 490.4	Argillite, minor to 2 cm interval									<u> </u>	<u> </u>	╇
	parallel to cleav						arräuma				┣	╋
490.4 - 498.3	Quartz arenite, s	adium grey.	, fine grai	ned, thick b	edded, conta	cts dist	inct and		_		-	+
	irregular (loadin	ng/flames (etc.), wacke	, subwacke/ ar	gillite tops	to 30 cm.	Quartz				 	╈
	veinlets 5° and 1 and calcite.	150 to core.	. Alteratio	n petches 2-3	CR ACTOSS WIT	n garnet,	DIOTICO	11		┢──	 ;	╈
									-	-	<u> </u>	╉
498.3 - 500.0	Argillite, (subwa laminated, few fa	acke), ligh	ht grey, upp	er portion lam	inated, lower	portion :	is wispy					╋
	top of a quartz a	arenite bed). Bedding	to core 81°.	And Bot PTON	prope				┣	┣	+
	0			/auni1116	adad kase	d into	la to 20		 	┡	<u> -</u>	╀
500.0 - 522.0	Quartz arenite, cm, light grey,	medium gra	ained, thick	and very th	ick bedded.	The thick	cest bed			 	 	╀
	is 1.75 meters a	and contain	ns a 15 cm	section with	disseminated					<u> </u>	<u> </u>	1
	517 - 522' is 1 65° 8 518'.	ainor weathe	ering and o	xidation alon	g Iractures.	sedding	CO COFO		Ĺ			
					·		. •					
522.0 - 526.5	0.5 feet of core,	, only gouge	s, recovered	. Parting (fa	ult) is 50°.							
526.5 - 547.0	Quartz arenite, s	minor wacke,	, medium gre	y, weathering	oxidetion on	fractures	througho	ut.				
	core broken, medi broken core makes	ium and fine	e grained, t	hick bedded, b	ed contacts v 535' a stran	agus (few ge badding	distinct	•				
	may be indicative	e of moveme	ent of unco	nsolidated aed	iments. Bed	ding to	ore 60°					ſ
	8 532'.											Γ
		· · · ·		· · ·								ſ
	*	.	END OF HOLE	*****								T
	· · · ·		HIF OF HULL					• . :			1	T
L												
Drill Hole Rec	ord		· ·			Cominco	Page 7					
Drill Hole Rec Property Commenced	Dista	ation		Hole No. DDH644 Tests at	60	Hor, Comp.	Page 7					
Property	Dista			Tests at Corr. Dip	60	Hor, Comp.	Page 7				9	
Property Commenced Completed Co-ordinates	Dista Loca Core	ation		Tests at Corr. Dip True Brg.	60	Hor, Comp. Vert. Comp. Logged by	Page 7				a Dip	
Property Commenced Completed Co-ordinates	Dista	ation		Tests at Corr. Dip	60	Hor, Comp.	Page 7		Xa lm	Brg.	coller Dip	i lev.
Property Commenced Completed Co-ordinates Objective	Distr Loca Corre	ation		Tests at Corr. Dip True Brg.	60	Hor, Comp. Vert. Comp. Logged by	Page 7			T Brg.	1	Flav
Property Commenced Completed Co-ordinates Objective	Dista Loca Core	ation		Tests at Corr. Dip True Brg.	60	Hor, Comp. Vert. Comp. Logged by	Page 7			T Brg.	Collar Dip	Elev.
Property Commenced Completed Co-ordinates Objective	Distr Loca Corre	ation		Tests at Corr. Dip True Brg.	60	Hor, Comp. Vert. Comp. Logged by	Page 7			T Brg.	Collar Dip	
Property Commenced Completed Co-ordinates Objective	Distr Loca Corre	ation		Tests at Corr. Dip True Brg.	60	Hor, Comp. Vert. Comp. Logged by	Page 7			T Brg.	Collar Dip	
Property Commenced Completed Co-ordinates Objective	Distr Loca Corre	ation		Tests at Corr. Dip True Brg.	60	Hor, Comp. Vert. Comp. Logged by	Page 7			T Brg.	Collar Dip	
Property Commenced Completed Co-ordinates Objective	Distr Loca Core	ation	RUNS	Tests at Corr. Dip True Brg.	60 RUNS	Hor, Comp. Vert. Comp. Logged by Date	Page 7			T Brg.	Coller Dip	
Property Commenced Completed Co-ordinates Objective	Dista Loca Core comption	Ntion a Size HOBTS		Teste at Corr. Dip True Brg. % Recov.	RUNS	Hor, Comp. Vert. Comp. Logged by Date	SHORT 3			T Brg.	Collar Dip	
Property Commenced Completed Co-ordinates Objective	Distr Loca Correst correst scription BUNS 70-77 -85 3	HOBTS .S	257-267 -277	True Rec. Tests at Corr. Dip True Brg. % Recov. SHORTS 0.0 0.5	<u>RUNS</u> 467-47	Hor, Comp. Vert. Comp. Logged by Date	SHORTS 0.0 0.0			T Brg.	Collar Dip	
Property Commenced Completed Co-ordinates Objective	Dista Loca Corre corription RUNS Si 70-77 1 -85 3 -91 5	HORTS .5 .0	257-267 -277 -287	True Reg. True Brg. % Recov. ShORTS 0.0 0.5 0.0	<u>RUN5</u> 467-47 -44	Hor, Comp. Vert. Comp. Logged by Date	3HORT3 0.0 0.0 0.0			T Brg.	Collar Dip	
Property Commenced Completed Co-ordinates Objective	Distribution RUNS Si 70-77 1 -85 3 -91 5 -97 1 -107 6	HORTS .5 .0 .0	257-267 -277 -287 -297 -307	Tots (c). Tests at Corr. Dip True Brg. % Recov. SHORTS 0.0 0.5 0.0 0.2	<u>RUNS</u> 467-47 -44 -55 -51	Hor, Comp. Vert. Comp. Logged by Date	SHORTS 0.0 0.0 0.0 0.0 0.0 0.0			T Brg.	Collar Dip	
Property Commenced Completed Co-ordinates Objective	Dista Loca Correst corription 70-77 -85 -91 5 -91 5 -91 5 -91 5 -91 5 -91 5 -97 1 -107 6 -115	HORTS .5 .0 .0 .0	257-267 -277 -287 -297 -307 -317	True Rec. True Brg. % Recov. SHORTS 0.0 0.5 0.0 0.2 0.0	<u>RUNS</u> 467-47 -44 -44 -50 -50 -50	Hor, Comp. Vert. Comp. Logged by Date	SHORTS 0.0 0.0 0.0 0.0 0.0 0.0 0.0 0.0			T Brg.		
Property Commenced Completed Co-ordinates Objective	Distr Local Correl Correl coription RUNS Si 70-77 1 -85 3 -91 5 -97 1 -107 6 -115 6 -125 0 -127 0	HORTS .5 .0 .5 .3	257-267 -277 -287 -297 -307 -317 -327 -327 -337	Shorts Shorts 0.0 0.5 0.0 0.2 0.0 0.0 0.0	RUNS 467-47 -44 -45 -50 -51 -51 -51 -51 -51 -51 -51	Hor, Comp. Vert. Comp. Logged by Date	5HORT5 0.0 0.0 0.0 0.0 0.0 0.0 0.0 4.0 0.0 0.0			T Brg.		
Property Commenced Completed Co-ordinates Objective	Distribution RUNS Si roription 5 70-77 1 -85 3 -91 5 -97 1 -107 6 -115 6 -125 0 -137 0	HORTS .5 .0 .5 .3 .2	257-267 -277 -287 -297 -307 -317 -327 -337 -337 -347	True Ref. True Brg. % Recov. % Recov. 0.0 0.5 0.0 0.2 0.0 0.0 0.0	RUNS 467-47 -44 -44 -50 -51 -51 -51 -51 -51	Hor, Comp. Vert. Comp. Logged by Date	SHORTS 0.0 0.0 0.0 0.0 0.0 0.0 0.0 0.0 0.0			T Brg.	Collar Dip	
Property Commenced Completed Co-ordinates Objective	Dista Loca Correlation comption RUNS Si 70-77 1 -85 3 -91 5 -97 1 -107 6 -115 6 -125 0 -137 0 -147 0	HORTS .5 .0 .5 .3	257-267 -277 -287 -307 -317 -327 -327 -337 -347 -357 -357	True Rrg. True Brg. % Recov. % Recov. 0.0 0.5 0.0 0.2 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	RUNS 467-47 -44 -45 -50 -51 -51 -51 -51 -51 -51 -51	Hor, Comp. Vert. Comp. Logged by Date	5HORT5 0.0 0.0 0.0 0.0 0.0 0.0 0.0 4.0 0.0 0.0			T Brg.		
Property Commenced Completed Co-ordinates Objective	Distu Local Correl Correl coription RUNS Si 70-77 1 -85 3 -91 5 -97 1 -107 6 -115 6 -125 0 -137 0 -137 0 -157 0 -167 0	HORTS .5 .0 .5 .3 .2 .0 .0 .5 .0 .0 .5 .0 .0 .0 .0 .0 .0 .0 .0	257-267 -277 -287 -297 -307 -317 -317 -327 -337 -347 -357 -357 -357 -377	Shorts Shorts 0.0 0.5 0.0 0.2 0.0	RUNS 467-47 -44 -45 -50 -51 -51 -51 -51 -51 -51 -51	Hor, Comp. Vert. Comp. Logged by Date	5HORT5 0.0 0.0 0.0 0.0 0.0 0.0 0.0 4.0 0.0 0.0			T Brg.		
Property Commenced Completed Co-ordinates Objective	Distribution RUNS Si roription 70-77 1 -85 3 -91 5 -97 1 -107 6 -115 6 -125 0 -137 0 -147 0 -157 0 -167 0	HORTS .S .0 .0 .5 .3 .2 .0 .0 .5 .3 .2 .0 .0 .0 .5 .3 .2 .0 .0 .0	257-267 -277 -287 -307 -317 -327 -327 -337 -347 -357 -357	True Rrg. True Brg. % Recov. % Recov. 0.0 0.5 0.0 0.2 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	RUNS 467-47 -44 -45 -50 -51 -51 -51 -51 -51 -51 -51	Hor, Comp. Vert. Comp. Logged by Date	5HORT5 0.0 0.0 0.0 0.0 0.0 0.0 0.0 4.0 0.0 0.0			T Brg.		
Property Commenced Completed Co-ordinates Objective	Dista Loca Correct Correct comption scription PO-77 1 -85 -91 5 -97 1 -107 6 -125 0 -125 0 -137 0 -137 0 -157 0 -167 0 -187 0 -197	HORTS .5 .0 .0 .5 .3 .2 .0 .0 .0 .0 .0 .0 .0 .0 .0 .0 .0 .0 .0	257-267 -277 -287 -297 -307 -317 -327 -337 -347 -357 -357 -367 -377 -387 -397 -397 -407	True Rrg. True Brg. % Recov. % Recov. 0.0	RUNS 467-47 -44 -45 -50 -51 -51 -51 -51 -51 -51 -51	Hor, Comp. Vert. Comp. Logged by Date	5HORT5 0.0 0.0 0.0 0.0 0.0 0.0 0.0 4.0 0.0 0.0			T Brg.		
Property Commenced Completed Co-ordinates Objective	Dista Local Construction comption RUNS Si 70-77 1 -85 3 -91 5 -97 1 -107 6 -115 6 -125 0 -127 0 -137 0 -157 0 -167 0 -177 0 -187 0 -197 0 -197 0 -197 0	HORTS .5 .0 .5 .0 .5 .2 .5 .2 .2 .0 .0 .0 .0 .0 .0 .0 .0 .0 .0 .0 .0 .0	257-267 -277 -287 -297 -307 -317 -327 -337 -347 -357 -357 -367 -377 -387 -397	Shorts True Brg. % Recov. % Recov. 0.0	RUNS 467-47 -44 -45 -50 -51 -51 -51 -51 -51 -51 -51	Hor, Comp. Vert. Comp. Logged by Date	5HORT5 0.0 0.0 0.0 0.0 0.0 0.0 0.0 4.0 0.0 0.0			T Brg.		
Property Commenced Completed Co-ordinates Objective	Dista Loca Correst Correst competition RUNS Si 70-77 1 -85 33 -91 5 -97 1 -107 6 -115 6 -125 0 -127 0 -137 0 -147 0 -157 0 -167 0 -187 0 -187 0 -207 0 -227 0	HORTS .5 .0 .0 .5 .3 .2 .0 .0 .0 .0 .0 .0 .0 .0 .0 .0 .0 .0 .0	257-267 -277 -287 -297 -307 -317 -327 -337 -347 -357 -367 -377 -367 -397 -407 -417 -427 -437	True Brg. X Recov. <	RUNS 467-47 -44 -45 -50 -51 -51 -51 -51 -51 -51 -51	Hor, Comp. Vert. Comp. Logged by Date	5HORT5 0.0 0.0 0.0 0.0 0.0 0.0 0.0 4.0 0.0 0.0			T Brg.		
Property Commenced Completed Co-ordinates Objective	Dista Loca Correct Correct comption RUNS Si 70-77 1 -85 3 -91 5 -97 1 -107 6 -125 0 -127 0 -137 0 -147 0 -157 0 -167 0 -187 0 -197 0 -207 0 -227 0 -237 0	HORTS .5 .0 .5 .3 .2 .0 .0 .0 .0 .0 .0 .0 .0 .0 .0	257-267 -277 -287 -297 -307 -317 -327 -337 -347 -357 -357 -367 -377 -387 -397 -407 -417 -427 -437 -447	True Brg. Y. Recov. Y. Recov. <td< td=""><td>RUNS 467-47 -44 -45 -50 -51 -51 -51 -51 -51 -51 -51</td><td>Hor, Comp. Vert. Comp. Logged by Date</td><td>5HORT5 0.0 0.0 0.0 0.0 0.0 0.0 0.0 4.0 0.0 0.0</td><td></td><td></td><td>T Brg.</td><td></td><td></td></td<>	RUNS 467-47 -44 -45 -50 -51 -51 -51 -51 -51 -51 -51	Hor, Comp. Vert. Comp. Logged by Date	5HORT5 0.0 0.0 0.0 0.0 0.0 0.0 0.0 4.0 0.0 0.0			T Brg.		
Property Commenced Completed Co-ordinates Objective	Dista Loca Construction comption RUNS Si 70-77 1 -85 3 -91 5 -97 1 -107 6 -115 6 -125 0 -137 0 -137 0 -157 0 -167 0 -177 0 -187 0 -207 0 -217 0 -227 0 -233 0 -247 0	HORTS .5 .0 .0 .5 .3 .2 .0 .0 .0 .0 .0 .0 .0 .0 .0 .0 .0 .0 .0	257-267 -277 -287 -297 -307 -317 -327 -337 -347 -357 -367 -377 -367 -397 -407 -417 -427 -437	True Brg. X Recov. <	RUNS 467-47 -44 -45 -50 -51 -51 -51 -51 -51 -51 -51	Hor, Comp. Vert. Comp. Logged by Date	5HORT5 0.0 0.0 0.0 0.0 0.0 0.0 0.0 4.0 0.0 0.0			T Brg.		
Property Commenced Completed Co-ordinates Objective	Dista Loca Construction comption RUNS Si 70-77 1 -85 3 -91 5 -97 1 -107 6 -115 6 -125 0 -137 0 -137 0 -157 0 -167 0 -177 0 -187 0 -207 0 -217 0 -227 0 -233 0 -247 0	HORTS .5 .0 .5 .0 .5 .0 .5 .0 .0 .0 .0 .0 .0 .0 .0 .0 .0	257-267 -277 -287 -297 -307 -317 -327 -337 -347 -357 -357 -367 -377 -387 -397 -407 -417 -427 -437 -457	True Rrg. True Brg. % Recov. % Recov. 0.0	RUNS 467-47 -44 -45 -50 -51 -51 -51 -51 -51 -51 -51	Hor, Comp. Vert. Comp. Logged by Date	5HORT5 0.0 0.0 0.0 0.0 0.0 0.0 0.0 4.0 0.0 0.0			T Brg.		
Property Commenced Completed Co-ordinates Objective	Dista Loca Construction comption RUNS Si 70-77 1 -85 3 -91 5 -97 1 -107 6 -115 6 -125 0 -137 0 -137 0 -157 0 -167 0 -177 0 -187 0 -207 0 -217 0 -227 0 -233 0 -247 0	HORTS .5 .0 .5 .0 .5 .0 .5 .0 .0 .0 .0 .0 .0 .0 .0 .0 .0	257-267 -277 -287 -297 -307 -317 -327 -337 -347 -357 -357 -367 -377 -387 -397 -407 -417 -427 -437 -457	True Rrg. True Brg. % Recov. % Recov. 0.0	RUNS 467-47 -44 -45 -50 -51 -51 -51 -51 -51 -51 -51	Hor, Comp. Vert. Comp. Logged by Date	5HORT5 0.0 0.0 0.0 0.0 0.0 0.0 0.0 0.0 0.0 0.			T Brg.		

APPENDIX B

SULLIVAN MINE GROUP OF MINERAL CLAIMS

				NOV	EMBER	27,	<u>1986</u>
···· ·				1	lumber	of U	<u>nits</u>
							•
Crown	-Granted M.C.					-	680
Held	by Assessment:					·	
2(a)	TWO POST CLAIMS			÷. ·			
	Luke Group Rho Group Med Group Donna, Etc. Group Uke Group Mar Group Bad Group Late Group Mat Group				75 20 15 15 11 17 36 91 268		
	Jackpot				1		549
2(b)	REVERTED CROWN GRANTE	D MINERAL CLA	IMS				
	Tip 4-12 Hope 2-12 Sun 2-12 Cue 2-12 B.C., Silver Bell, Ta Black Hills, Yankee G Blue Dragon	rrant irl, Wasp Fr.		ж 	9 11 11 11 3 3 1		49
2(c)	MINERAL CLAIMS (54)						
	Dip 1-8 Fal 1-14 Golf 1-3 Quark 1&2 Fin 1-3 Mead 1-3				56 84 17 12 18 36 110 56		
	Gin 1-9 Clair 24-32	· · · · ·			4 77		J.N.E
					17		406
Gree	Clair 24-32				17	•	406

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APPENDIX C

STATEMENT OF EXPENDITURES

DDH 6460

DIRECT COSTS

Contractor:

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

Item

Amount

Mobilizati	on/Demobilization			\$ 500.00
Drilling	0-547		1	11,831.00
Moving				2,782.00
Surveys	$(x_{i}) \in \{x_{i}\} \text{ for } i \in \{x_{i}\} \ \text{ for } i \in \{x_{i}\} \ $			75.00
Other				338.00
Materials				1,539.45
		Direct Co	osts =	\$17,065.45

INDIRECT COSTS

Salaries

P.W. Ransom - Geologist - supervision, core logging,	
	\$ 2,500.00
Other Contractors:	
W. Barker Contracting Ltd., Kimberley, B.C Site	· · ·
access/Preparation - 0.1 km of road plus site	
D-7 buldozer 12.5 hours @ \$85/hour	1,062.50
plus cat hauling	130.00
Water hauling 6.5 hours @ \$45/hour	292.50
Henderson Heavy Hauling (1973) Ltd., Cranbrook, B.C.	
Equipment hauling (Cat)	639.00
Transportation:	400.00
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
	34.92
Indirect costs =	6,408.34
	· · · · · · · · · · · · · · · · · · ·
Total Direct + Indirect costs =	\$23,473.79
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	- 1

Signed: 1. W. / Jaron P.W. RANSOM

Project Geologist

APPENDIX D

IN THE MATTER OF THE

B.C. MINERAL ACT

AND

IN THE MATTER OF A DIAMOND DRILL PROGRAMME

CARRIED OUT ON THE ROWAN CLAIM GROUP

MARK CREEK AREA

in the Fort Steele Mining Division of the Province of British Columbia

More Particularily N.T.S. 82F/9

AFFIDAVIT

I, P.W. Ransom, of the rural district of Wycliffe, in the Province of British Columbia, make Oath and say:

- 1. That I am employed as a Geologist 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 Appendix C to this my Affidavit is a true copy of expenditures incurred on a Diamond Drill programme, on the Rowan mineral claim group.
- 3. That the said expenditures were incurred between the 1st day of June, 1987 and the 1st day of August, 1987 for the purpose of mineral exploration on the above noted claim group.

P.W. RÁNSOM PROJECT GEOLOGIST

APPENDIX E

STATEMENT OF QUALIFICATIONS

As author 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.

P.W. RANSON, G.A.C.