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COMINCO LTD.

EXPLORATION

WESTERN DISTRICT

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VANCOUVER, B.C.

DIAMOND DRILLING

MAT 265 GROUP

Fort Steele Mining Division

Matthew Creek Area

N.T.S. 82F/9E

- Assessment Report -

LATITUDE: 49° 42' N

LONGITUDE: 116° 21' W
10' 55"

OWNER/OPERATOR

Cominco Ltd.

Box 2000
Kimberley, B.C.
V1A 2G3

Work performed during June and July, 1987

GEOLOGICAL BRANCH
ASSESSMENT REPORT

Report by:

P.W. Ransom
Project Geologist

16,609

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COMINCO LTD.

EXPLORATION

WESTERN DISTRICT

DIAMOND DRILLING REPORT

MAT 265 GROUP

Fort Steele Mining Division

1.00 INTRODUCTION

1.10 Specific Location

DDH 6463, the hole being reported on, was drilled on a north-flowing tributary on the west fork of Matthew Creek. Access to the drill site is by logging and exploration roads.

1.20 Property Description

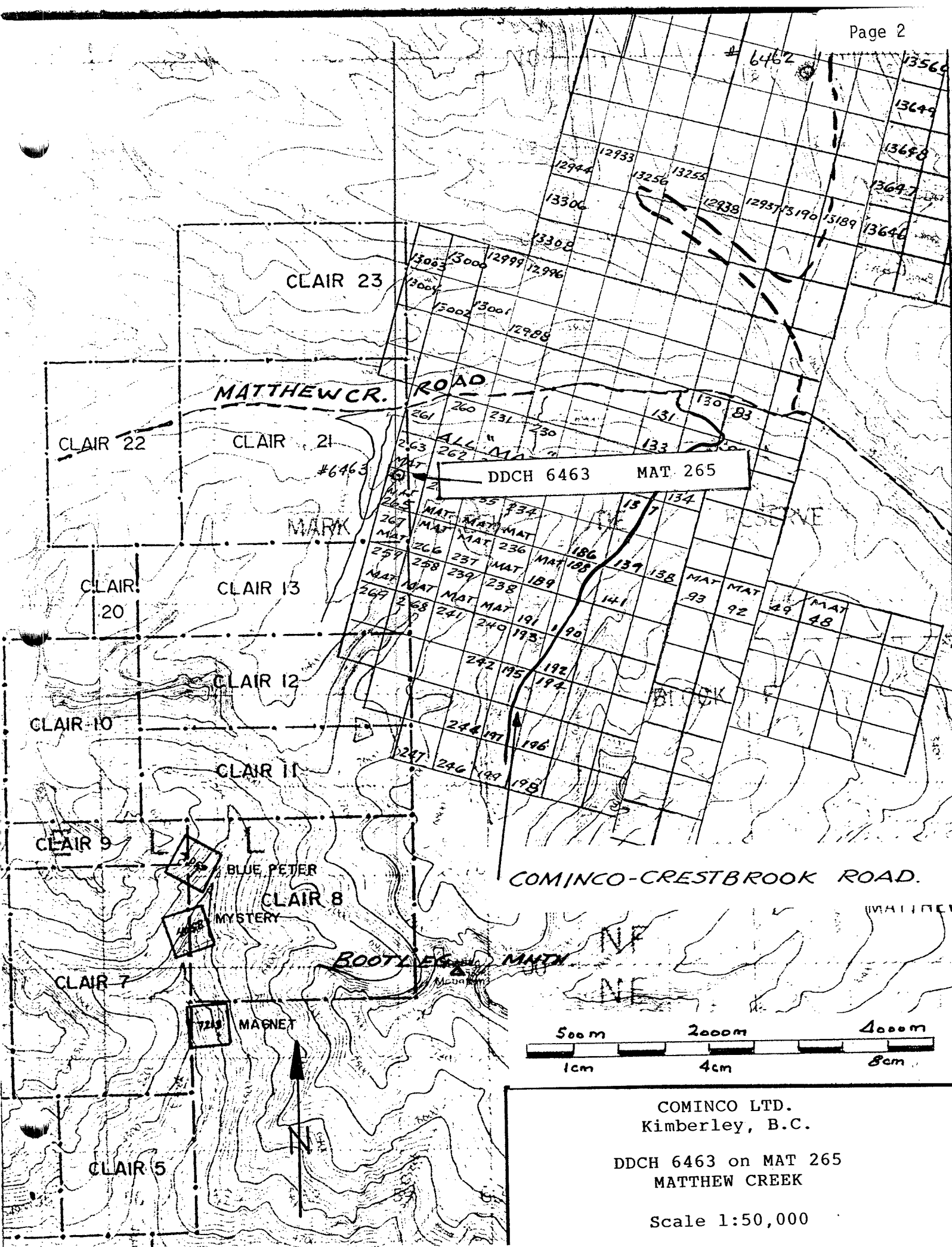
The property being investigated forms part of the Sullivan Mine claim group, owned by Cominco Ltd. Cominco has operated the mine for about 75 years. The Sullivan stratiform Ag-Pb-Zn-Fe sulphide deposit is one of the most important of its type worldwide and has contributed significantly to the mineral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

1.30 Drilling

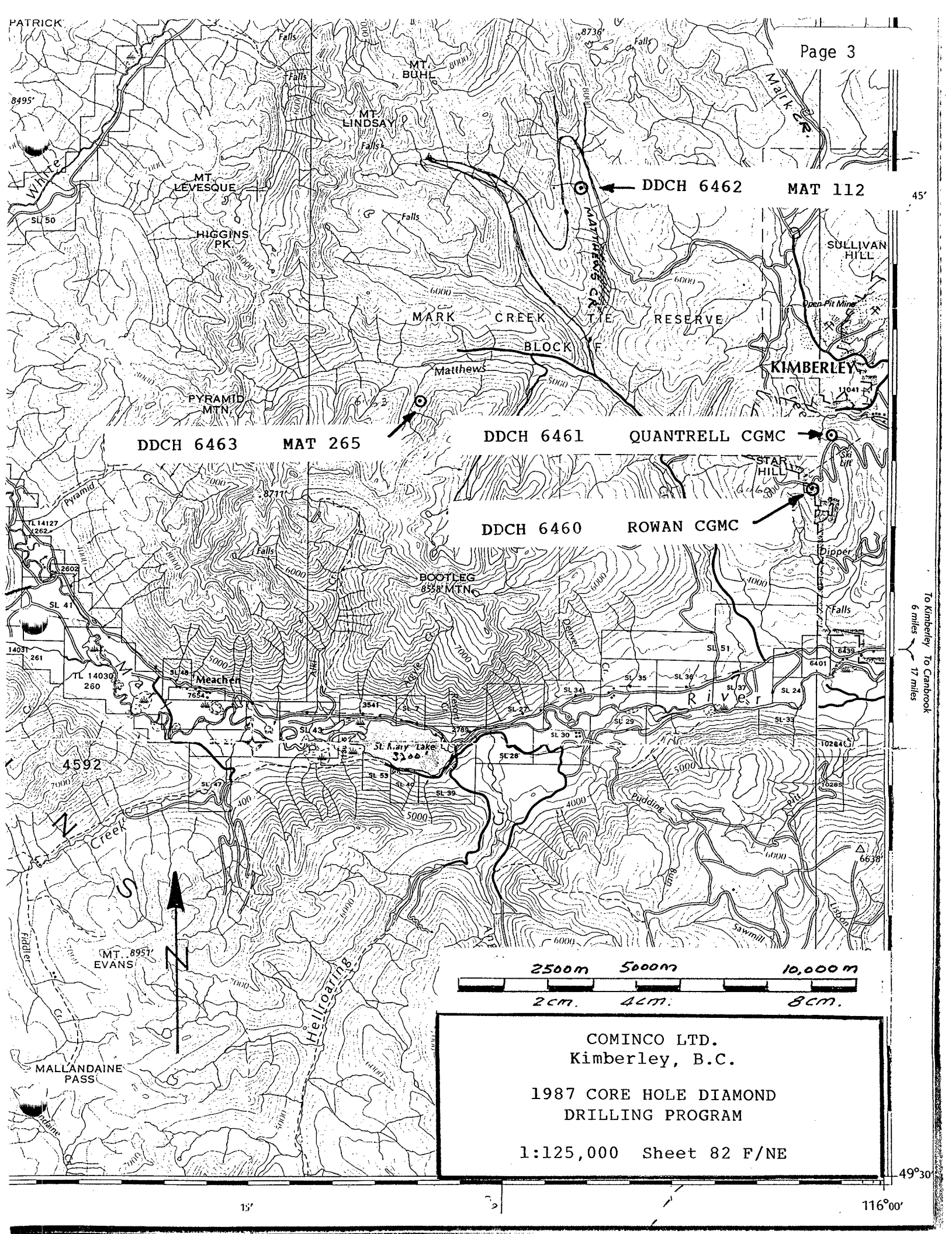
One hole is being reported on. It was collared at -60° dip and was drilled to a depth of 304 meters using N wireline tools.

1.40 Claims Explored

DDH 6463 was drilled on the Mat 265 Mineral Claim.



COMINCO LTD.
 Kimberley, B.C.
 DDCH 6463 on MAT 265
 MATTHEW CREEK
 Scale 1:50,000

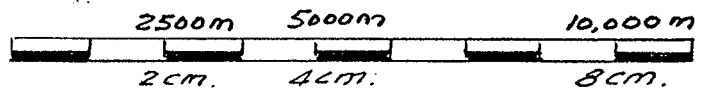


DDCH 6463 MAT 265

DDCH 6461 QUANTRELL CGMC

DDCH 6460 ROWAN CGMC

DDCH 6462 MAT 112



COMINCO LTD.
 Kimberley, B.C.

1987 CORE HOLE DIAMOND
 DRILLING PROGRAM

1:125,000 Sheet 82 F/NE

To Kimberley 6 miles
To Cranbrook 17 miles

2.00 DETAILED TECHNICAL DATA AND INTERPRETATION

2.10 Drilling

2.11 Objective

The objective of drilling DDH 6463 was to locate stratiform Ag-Pb-Zn-Fe sulphide ore.

2.12 Results

DDH 6463 intersected siliciclastic sedimentary rocks typical of the area. Pyrrhotite was noted locally, disseminated as an accessory mineral.

2.13 Interpretation

0.0 - 3.0 m	Overburden
3.0 - 304.0 m	Siliciclastic sedimentary rocks, Aldridge Formation.

2.14 Conclusion

DDH 6463 intersected siliciclastic sediments of turbidite and related origin, typical of the Middle Proterozoic Aldridge Formation.

Report by: *P.W. Ransom*

P.W. Ransom
Project Geologist
Cominco Ltd.

Endorsed by: *John Hamilton*

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. _____

6463



<p>LAT. 7,000 N DEP. 37,200 W ELEV. 5950 DIP: -60° AZIM.: 245° LENGTH: 997' HORIZ. COMP. 499' VERT. COMP. 863' DATE COLLARED: June 29, 1987 DATE COMPLETED: July 7, 1987 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.</p> <p>DRILLED BY: Tonto Drilling (B.C.) Ltd. TYPE DRILL: Longyear 38 CORE SIZE: NQ PERFORMANCE COMMENTS: Adequate, ground more broken than normal.</p> <p>CASING REMAINING IN HOLE (LENGTH & SIZE): 10' HWL Rod + Shoe TYPE CAP & SEALING METHOD: 6" welded cap OTHER MATERIAL REMAINING IN HOLE: none SURVEY INSTRUMENT USED: Sperry Sun ADDITIONAL DOWN HOLE TESTS: none</p>	<p>GENERAL COMMENTS: Sperry Sun Survey</p> <table style="width:100%; border-collapse: collapse;"> <tr> <td style="width:33%;">Depth</td> <td style="width:33%;">Azimuth</td> <td style="width:33%;">Dip</td> </tr> <tr> <td>797'</td> <td>245°</td> <td>-60°</td> </tr> </table> <p align="center">LOG LEGEND</p> <table border="1" style="width:100%; border-collapse: collapse;"> <thead> <tr> <th colspan="2">BED THICKNESS CLASSIFICATION</th> </tr> </thead> <tbody> <tr> <td rowspan="6" style="text-align: center; vertical-align: middle;">BEDS</td> <td>Very Thick Bedded 100 cm</td> </tr> <tr> <td>Thick Bedded 30 cm</td> </tr> <tr> <td>Medium Bedded 10 cm</td> </tr> <tr> <td>Thin Bedded 3 cm</td> </tr> <tr> <td>Very Thin Bedded 1 cm</td> </tr> <tr> <td>Laminated 0.3 cm</td> </tr> <tr> <td>LAMINAE</td> <td>Thinly Laminated</td> </tr> </tbody> </table> <div style="text-align: right;"> <p>LITHOLOGIC CLASSIFICATION</p> </div> <p align="right">D.D.H. 6463</p>	Depth	Azimuth	Dip	797'	245°	-60°	BED THICKNESS CLASSIFICATION		BEDS	Very Thick Bedded 100 cm	Thick Bedded 30 cm	Medium Bedded 10 cm	Thin Bedded 3 cm	Very Thin Bedded 1 cm	Laminated 0.3 cm	LAMINAE	Thinly Laminated
Depth	Azimuth	Dip																
797'	245°	-60°																
BED THICKNESS CLASSIFICATION																		
BEDS	Very Thick Bedded 100 cm																	
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	Medium Bedded 10 cm																	
	Thin Bedded 3 cm																	
	Very Thin Bedded 1 cm																	
	Laminated 0.3 cm																	
LAMINAE	Thinly Laminated																	

1 Foot = 0.3048 metres

Drill Hole Record



Property	Sullivan	District	Western/ Ft. Steele M.D.	Hole No.	DDH 6463
Commenced	Location		Tests at	Hor. Comp.	
Completed	Core Size		Corr. Dip	Vert. Comp.	
Co-ordinates	True Brg.		Logged by		
Objective	% Recov.		Date		

Footage From To	Description	Analysis				
		Claim	T Brg.	Collar Dip	Elev.	Length
0.0 - 10.0	Overburden					
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 84° @ 12', 72° @ 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 grey, thick to very thick bedded (probably some bed contacts lost in drilling). Most beds are fine sand 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 of thick bed at 62'.					
62.0 - 94.0	65% recovery. 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'.					
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° @ 100'.					
115.0 - 116.0	Gabbro dike, altered, with quartz.					
116.0 - 117.0	Wacke, altered, broken.					
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).					

Drill Hole Record



Property	Sullivan	District		Hole No.	DDH 6463
Commenced	Location		Tests at	Hor. Comp.	
Completed	Core Size		Corr. Dip	Vert. Comp.	
Co-ordinates	True Brg.		Logged by		
Objective	% Recov.		Date		

Footage From To	Description	Analysis				
		Claim	T Brg.	Collar Dip	Elev.	Length
121.0 - 133.0	Wacke generally with subwacke/argillite tops, a few quartzwacke beds are present, medium to thin bedded, bed contacts generally sharp and flat (some flames and rip-ups), slickensides and small gouge zones parallel or at small angle to bedding. Bedding to core 85° @ 130'.					
133.0 - 154.0	Quartz 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 wavy), slickensides noted on two bedding surfaces and a 3mm wide gouge zone on one. Bedding to core 79° @ 149'.					
154.0 - 162.0	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 75° @ 160'.					
162.0 - 167.5	Gabbro, greenish grey, fine grained, sill.					
167.5 - 176.0	Quartz arenite, light grey, thick bedded (30-40 cm) with wacke/subwacke or argillite tops 10 cm - 1 cm, bed contacts distinct and flat to wavy, beds are homogeneous over most of their thickness. Slickensides noted parallel and at small angle to bedding.					
176.0 - 204.0	Wacke, subwacke, argillite and quartzwacke and quartz arenite, thin to very thin with few medium and thick beds, some laminated intervals, the thickest beds are more arenaceous, bed contacts are primarily sharp and flat, a few are wavy, slickensides are parallel to bedding on several contacts. Bedding to core 73° @ 174', 75° @ 191'.					
204.0 - 214.5	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 80° @ 111.0'.					

Drill Hole Record



Property	Sullivan	District	Hole No.	DDH6463
Commenced	Location		Tests at	Hor. Comp.
Completed	Core Size		Corr. Dip	Vert. Comp.
Co-ordinates			True Brg.	Logged by
Objective			% Recov.	Date

Footage	Description	Analysis
From	To	
214.5	221.0	
Wacke, subwacke/argillite, medium grey, medium and thin bedded, some weathering and broken core, bed contacts not clear.		
221.0	228.0	
Quartz arenite, quartzwacke minor wacke/subwacke/argillite, thick and medium bedded with short sections thin bedded to laminated, bed contacts sharp or distinct and generally flat, slickensides noted on bedding planes. Bedding to core 86° @ 223'.		
228.0	235.0	
Wacke, subwacke/argillite, medium grey, thin bedded to laminated bed contacts sharp and flat, some have slickensides. Bedding to core 79° @ 235'.		
235.0	241.5	
Quartz arenite, light grey, thick bedded, bed contacts (2) distinct, flat and wavy.		
241.5	244.0	
Wacke, subwacke/argillite, one quartz arenite, light to medium grey, thin and medium bedded, contacts sharp and flat to wavy, sandstone dike near top, slickensides on bed contacts. Bedding to core 86° @ 243'.		
244.0	264.0	
Quartz arenite, quartzwacke, wacke with minor subwacke/argillite, medium to light grey, thick to thin bedded, bed contacts sharp to distinct and generally flat (flame? or load feature at 247.5'), slickensides seen on only four bed surfaces. Bedding to core 87° @ 250'.		
264.0	274.0	
Wacke, with quartzwacke, quartz arenite, subwacke/argillite, medium grey, medium to thin bedded, bed contacts sharp to distinct generally flat, some slightly wavy, several beds contain rip-up clasts (usually of argillite tops) and near 273' several thin quartzwacke/argillite beds have shredded appearance. Bedding to core 85° @ 268'.		
274.0	283.0	
Quartz arenite, minor subwacke/argillite, light grey, thick bedded (thin subwacke/argillite [wacke] 277-278'), bed contacts distinct, slightly wavy.		
283.0	293.0	
Wacke, quartzwacke, quartz arenite, subwacke/argillite, medium grey, medium (quartzwacke/quartz arenite) and thin bedded, contacts sharp and flat to wavy, bed laminated		

811-9437

Drill Hole Record



Property	Sullivan	District	Hole No.	DDH 6463
Commenced	Location		Tests at	Hor. Comp.
Completed	Core Size		Corr. Dip	Vert. Comp.
Co-ordinates			True Brg.	Logged by
Objective			% Recov.	Date

Footage	Description	Analysis
From	To	
283.0	293.0	
(Cont'd.) 288 - 289'. Bedding to core 88° @ 288'.		
293.0	331.0	
Quartz arenite, some quartzwacke with lesser wacke and subwacke/argillite tops, light grey, thick bedded with a few medium beds and several short intervals (less than 30 cm) of thin beds, contacts sharp and flat to slightly wavy, slickensides noted on a few bed surfaces (core generally solid so not many bed contacts split), Bedding to core 84° @ 318'.		
331.0	341.5	
Wacke, minor quartzwacke, quartz arenite, subwacke/argillite tops, medium grey, thin bedded (few medium, 1 thick), bed contacts sharp to distinct and wavy to flat, a few beds have fine lithic clasts, slickensides are present on several bedding surfaces.		
341.5	345.5	
Wacke, subwacke, argillite, minor quartzwacke, medium to light grey, thin to very thin bedded, bed contacts sharp and wavy, cross bedding common (wavy laminated facies).		
345.5	351.0	
Quartz arenite (1 thick), quartzwacke and wacke, light grey, thick beds separated by 4 thin beds, contacts distinct and flat, one contact has slickensides and 5 mm of gouge.		
351.0	363.0	
Wacke, subwacke/argillite with few quartz arenite or quartzwacke beds, medium grey, thin with few medium beds, contacts sharp and flat with a few wavy ones, slickensides noted on several bedding contacts and a 3 cm crush zone bounded by strong slickensides at 354.5 displays reverse faults and pop-up structures. Bedding to core 70° @ 359'.		
363.0	376.5	
Quartz arenite, light grey, fine grained, thick bedded. Massive to thin bedded argillaceous intervals to 1'.		
376.5	381.0	
Wacke, subwacke/argillite, medium grey, thin bedded with 20 cm subwacke with wacke rip-up? clasts overlying 30 cm of predominantly subwacke laminitic, slickensides noted on several bedding surfaces. Bedding to core 80° @ 380'.		

811-9437

Drill Hole Record



Property	Sullivan	District	Hole No.	DDH 6463
Commenced		Location	Tests at	Hor. Comp.
Completed		Core Size	Corr. Dip	Vert. Comp.
Co-ordinates			True Brg.	Logged by
Objective			% Recov.	Date

Footage		Description	Analysis				
From	To		Chalm	T Brg.	Collar Dip	Elev.	Length
381.0	403.0	Quartz arenite, wacke near base, subwacke/argillite tops, light grey, fine grained, thick bedded (some medium near base), contacts distinct flat to wavy, slickensides on and parallel to some bed contacts. Recoveries poor.					
116							
403.0	407.0	Wacke, subwacke/argillite, medium grey, thin and medium bedded, contacts distinct or sharp and flat to wavy, 50% broken.					
122.8							
407.0	432.0	Quartz arenite and quartzwacke, badly broken with poor recoveries, light grey, medium and thick bedded, few contacts preserved.					
124							
432.0	434.0	Wacke, subwacke and argillite, medium grey, medium to thin bedded, contacts distinct and flat, Bedding to core 80° @ 433'.					
126							
434.0	438.0	Quartz arenite, light grey, fine grained, thick bedded, contacts broken.					
438.0	440.0	Wacke, subwacke and argillite, medium grey, thin and medium bedded, contacts sharp and flat. Bedding to core 80° @ 440'.					
137.5							
440.0	462.0	Quartz arenite, quartzwacke, minor wacke/subwacke/argillite, medium grey, medium (few thick and thin) bedded, contacts mostly broken (few sharp and flat), one set of slickensides noted parallel then at small angle to bedding.					
134							
462.0	477.5	Wacke, subwacke and argillite, medium grey, medium and thick units that are well to faintly laminated (flat parallel) throughout often without clear indication of what constitutes a complete bed, there are a few argillite units (typical of bed tops elsewhere) up to 1 cm thick and a couple of beds graded from quartzwacke are present. Sericite flecks up to 1 mm across occur densely in zones up to 10 cm wide, quartzwackes (one with chlorite) are calcareous. Slickensides noted on several bedding planes. Bedding to core 80° @ 463' and 80° at 476'.					
141							

211-9437

Drill Hole Record



Property	Sullivan	District	Hole No.	DDH 6463
Commenced		Location	Tests at	Hor. Comp.
Completed		Core Size	Corr. Dip	Vert. Comp.
Co-ordinates			True Brg.	Logged by
Objective			% Recov.	Date

Footage		Description	Analysis				
From	To		Chalm	T Brg.	Collar Dip	Elev.	Length
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.					
145.5							
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° @ 495', 60° @ 520', and 80° @ 528'.					
142.3							
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	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.					
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 sandstone dikelets, 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	Quartz arenite, light grey, fine some medium grained, thick bedded of which a few have current laminations otherwise fairly homogenous, bed contacts sharp and flat (few wavy). Intervals (about 10% of total) less than 60 cm (often 30 cm) of wacke, subwacke/argillite, medium grey, thin bedded with sharp flat contacts. Several bed contacts have slickensides. Crush zone (small fault) 10 cm wide parallel to bedding. Bedding to core 82° @ 608', 78° @ 631', 83° @ 651'.					

211-9437

Drill Hole Record



Property	Sullivan	District		Hole No.	DDH 6463
Commenced		Location		Tests at	Hor. Comp.
Completed		Core Size		Corr. Dip	Vert. Comp.
Co-ordinates				True Brg.	Logged by
Objective				% Recov.	Date

Claim
T Brg.
Collar Dip
Elev.
Length
Hole No.

Footage	Description	Analysis
From	To	
839.0 - 255.9	885.0 - 269.9 Quartzwacke, several beds verge on quartz arenite, includes about 20% wacke, minor subwacke/argillite, medium grey, thick beds with a few medium and thin, contacts distinct to vague and flat to wavy, most beds homogeneous with some disaggregated subwacke/argillite units, slickensides and thin gouge seams noted on and at low angle to a few bedding planes. Bedding to core 75° @ 854' and 65° @ 874'.	
885.0 - 264.9	902.8 - 275.4 Wacke, medium grey, vaguely bedded (probably thick, medium and thin beds), intervals to about 30 cm are vaguely laminated, there appear to be vague structures indicative of synsedimentary extension, flame structure noted at 895'. A 15 cm wide incohesive fault breccia and gouge occurs at 894'. Slickensides noted parallel to several bedding planes. Bedding to core 64° @ 886' and 73° @ 896'.	
902.8 - 275.4	930.6 - 283.8 Wacke, medium grey, uniformly laminated (shades of grey with fine biotite and a trace of pyrrhotite) almost entirely throughout interval (there are minor short faint sections where lams are altered or were not formed plus a couple of thin graded wacke beds). All laminations are flat and parallel. Although a bedding parallel fissility is sometimes present no significant slickensides noted. Bedding to core 81° at 910', 75° at 920' and 80° at 930'.	
930.6 - 283.8	957.0 - 291.9 Wacke, subwacke/argillite, some quartzwacke (quartz arenite), medium to light grey, medium to thin (few thick) beds, contacts sharp and flat, short (<10 cm) internally laminated beds including darker grey interturbidite laminite, slickensided and a few thin gouge seams noted. Bedding to core 76° @ 940' and 77° @ 950'.	
957.0 - 281.9	997.0 - 304.1 Quartzwacke and quartz arenite with tops and interbeds of wacke/subwacke/argillite, medium to light grey, fine and medium grained, thick and medium bedded with a few thin bed. Several of the medium grey beds contain coarse (up to 4 mm) clots of sericite. Concretionary zonations in quartz arenite bed at 970'. Slickensides and thin gouge seams present on several beds. Bedding to core 76° @ 960' and 76° @ 995'.	

***** END OF HOLE *****

Drill Hole Record



Property	Sullivan	District		Hole No.	DDH 6463
Commenced		Location		Tests at	Hor. Comp.
Completed		Core Size		Corr. Dip	Vert. Comp.
Co-ordinates				True Brg.	Logged by
Objective				% Recov.	Date

Claim
T Brg.
Collar Dip
Elev.
Length

Footage	Description	Analysis												
From	To													
		Runs Shorts Runs Shorts Runs Shorts Runs Shorts Runs Shorts Runs Shorts Runs Shorts												
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		
-27	1.5	-130	0.0	-273	0.0	-421	3.0	-566	0.0	-757	0.0	-917	0.0	
-30	2.0	-137	1.0	-283	0.0	-426	3.0	-577	1.0	-766	0.0	-927	0.0	
-37	2.0	-147	5.0	-293	0.0	-432	2.0	-585	0.0	-776	0.0	-937	0.0	
-41	1.5	-151	0.5	-303	1.0	-440	0.0	-490	1.0	-786	0.0	-947	0.0	
-47	3.5	-157	1.0	-309	0/5	-447	4.0	-603	0.0	-792	1.0	-957	0.0	
-51	2.0	-167	0.5	-317	0.5	-452	3.0	-613	0.0	-799	2.0	-967	0.0	
-55	0.8	-175	0.0	-327	0.5	-457	1.5	-623	0.0	-801	0.0	-977	0.0	
-57	0.5	-179	0.0	-329	0.5	-459	0.5	-627	0.0	-803	1.0			
-66	0.0	-187	0.5	-337	0.5	-467	1.0	-637	0.0	-805	0.5			
-70	0.5	-197	0.5	-347	0.0	-477	0.0	-647	0.0	-812	0.0			
-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	-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	-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			
-115	1.0	-252	0.0	-405	1.0	-537	0.5	-726	0.0	-887	0.0			
-121	4.0	-257	0.0	-409	1.0	-546	0.0	-737	0.5	-897	0.0			

APPENDIX B

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		
Luke Group	75	
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	
Gin 1-9	110	
Clair 24-32	56	
Mark 1-3	17	406
3. Greenhorn Mineral Lease		<u>1</u>
GRAND TOTAL (1 + 2 + 3)		1,685

APPENDIX C

STATEMENT OF EXPENDITURESDDH 6463

DIRECT COSTS

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

<u>Item</u>	<u>Amount</u>
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
	<u>Direct Costs = \$25,603.29</u>

INDIRECT COSTS

Salaries:

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

Other Contractors:

Wright Contracting, Cranbrook, B.C.
 Site Access/Preparation - 2 km of road plus site
 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 960.00

Supplies:

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
	<u>Indirect costs = 21,757.99</u>

Total Direct + Indirect costs = \$47,361.28

Signed: 

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 MAT 265 CLAIM GROUP

MATTHEW CREEK AREA


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

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

A F F I D A V I T

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 Mat 265 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. RANSOM
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. RANSOM, G.A.C.