PELLY RIVER MINES LTD.

REPORT

on

EXPLORATION 1965 , 1966

Robert S. Adamson, P. Eng.
Chief of Exploration for
ANVIL MINING CORP. LTD.

NOVEMBER, 1966

015887

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Chief of Exploration for
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PELLY RIVER MINES CLAIMS

BILL GROUP

CLAIM	GRANT NO.	CLAIM	GRANT NO.
BILL 16	85598	BILL 30	85612
17	85599	32	85614
18	85600	33	85615
20	85602	34	85616
22	85604	35	85617
24	85606	36	85618
26	85608	37	85619
28	85610	38	85620
QUE 7	Y-10567	QUE 8	Y-10568
6	Y-10566	9	Y-10569

BOB GROUP

BOB 1	85655	BOB 13	85667
2	85656	14	85668
3	85657	15	85669
4	85658	16	85670
5	85659	17	85671
6	85660	18	85672
7	85661	19	85673
8	85662	20	85674
9	85663	21	85675
10	85664	22	85676
11	85665	23	85677
12	85666	24	85678
QUE 41 Fr.	Y-10679	QUE 33 Fr.	Y-10671
42 Fr.	Y-10680	21 Fr.	Y-10659
80 Fr.	Y-10687	22 Fr.	Y-10660
81 Fr.	Y-10688	23 Fr.	Y-10661
36 Fr.	Y-10674	24 Fr.	Y-10662
35 Fr.	Y-10673	25 Fr.	Y-10663
34 Fr.	Y-10672	26 Fr.	Y-10664

LAKE GROUP

CLAIM		GRANT NO.	CLAIM		GRANT NO.
LAKE	1	85763	LAKE	21	85783
	2	85764		22	85784
	3	85765		23	85785
	4	85766		24	85786
	5	85767		25	85787
	6	85768		26	85788
	7	85769		27	85789
	8	85770		28	85790
	9	85771		29	85791
	10	85772		30	85792
	11	85773		31	85793
	12	85774		32	85794
	13	85775		33	85795
	14	85776		34	85796
	15	85777		35	85797
	16	85778		36	85798
	17	85779		37	85799
	18	85780		38	85800
	19	85781		39	85801
	20	85782		40	85802
QUE	38 Fr.	Y-10676	QUE	77 Fr.	Y-10684
	39 Fr.	Y-10677		76 Fr.	Y-10683
	40 Fr.	Y-10678		49 Fr.	Y-10681
	27 Fr.	Y-10665		75 Fr.	Y-10682
	28 Fr.	Y-10666		82 Fr.	Y-10689
	29 Fr.	Y-10667		83 Fr.	Y-10690
	30 Fr.	Y-10668		84 Fr.	Y-10691
	78 Fr.	Y-10685		85 Fr.	Y-10692
	79 Fr.	Y-10686			

L. O. GROUP

L. O.	4	94121	L. O.	12	94133
	5	94122		13	94134
	6	94123		14	94135
	7	94124		15	94136
	8	94129		16	94137
	9	94130		17	94138
	10	94131		18	94139
	11	94132		19	94140
QUE	10 Fr.	Y-10570	QUE	13 Fr.	Y-10573
	11 Fr.	Y-10571		14 Fr.	Y-10574
	12 Fr.	Y-10572			

JOE GROUP

CLAIM	GRANT NO.	CLAIM	GRANT NO.
JOE 2	85680	JOE 12	85690
4	85682	14	85692
6	85684	16	85694
8	85686	17	85695
10	85688	18	85696
QUE 16 F-Fr.	Y-10575		
18 F-Fr.	Y-10577		

TIE GROUP

TIE 1	85719	TIE 13	85731
2	85720	14	85732
3	85721	15	85733
4	85722	16	85734
5	85723	17	85735
6	85724	18	85736
7	85725	19	85737
8	85726	20	85738
9	85727	21	85739
10	85728	22	85740
11	85729	23	85741
12	85730	24	85742
WHI 126	Y-4378	WHI 121	Y-4373
127	Y-4379	122	Y-4374
27	Y-1286	123	Y-4375
28	Y-1287	124	Y-4376
29	Y-1288	125	Y-4377
30	Y-1289	21	Y-1278
31	Y-1290	22	Y-1279
32	Y-1291	23	Y-1280
33	Y-1284	24	Y-1281
34	Y-1285	25	Y-1282
118	Y-4370	26	Y-1283
119	Y-4371		
120	Y-4372	QUE 17 F-Fr.	Y-10576

ADDITIONAL LAKE FRACTIONS

QUE 43	Y-10841
44	Y-10842
45	Y-10843
46	Y-10844

INTRODUCTION

The property of Pelly River Mines Ltd. in the Anvil District of the Yukon Territory consists of six claim groups. Four of these groups, the LO, BILL, JOE and TIE, lie between the FARO property of Anvil Mining Corp. Ltd. and the VANGORDA property of Vangorda Mines Ltd. The other two groups, the BOB and LAKE, lie on the southeast side of Vangorda Mines Ltd. and essentially between the Vangorda property and the SWIM property of Kerr - Addison Mines Ltd.

Massive sulphide ore bodies have been discovered in the Anvil District on the FARO, VANGORDA, and SWIM properties. Mineral claims of Pelly River Mines Ltd. cover most of the intervening ground between these three ore bodies.

All of the Pelly River Mines claims have been covered by helicopter borne electromagnetic and magnetic surveys carried out by Dynasty Explorations Ltd. in 1964 and 1965. Ground follow-up of electromagnetic and magnetic anomalies established by the air borne program was initiated by Dynasty Explorations in 1965 and to a large extent was completed by Anvil Mining Corp. Ltd. in 1966. The ground follow-up consisted of magnetic, electromagnetic and geochemical surveys followed by rotary drilling, gravity surveys and diamond drilling.

REGIONAL GEOLOGY

Underlying the Pelly River Mines claims are a series of northwest striking, southwest dipping (20 to 30°) interbedded sedimentary and volcanic rocks in contact with the Anvil batholith.

These regionally metamorphosed sedimentary and volcanic rocks have been divided into two formations; a dominantly sedimentary one called the Mye formation, and a conformable younger overlying dominantly volcanic one called the Vangorda formation. With the exception of the entire LAKE group and the southern half of the BOB group, which are underlain by Vangorda rocks, the Pelly River Mines claims cover Mye formation rocks. All known sulphide bodies discovered to date in the Anvil District occur within the Mye formation.

The Mye formation, which for the most part is in contact with the Anvil batholith on the northeast, is in excess of a mile thick. The formation consists largely of, in approximately equal proportions, metamorphosed arenaceous and argillaceous rocks; banded quartzites, quartz schists and sericite schists interbedded with phyllites, biotite schists and graphitic schists. Minor volcanic flow and fragmental rocks, both acidic and intermediate, with related plugs, sills and dykes as well as limestone horizons occur within the formation.

The Vangorda formation, also approximately a mile thick, consists of intermediate volcanic rocks with interbedded sedimentary members, largely graphitic phyllites and schists and quartzites and sericite schists. Biotitic phyllites and schists are rarer.

Strong northeast faults cut this assemblage as well as the batholitic rocks. Second and Third order faulting is essentially

east-west and north-south, all apparently steep. Folding of Mye and Vangorda rocks appears to be of a minor nature. Broad folding of the sediments with northwest axes may occur. Some tighter dragfolding probably occurs adjacent to faulted structures.

Lead-zinc-copper mineralization has a preference for quartzitic horizons in Mye formation rocks. Favourable rocks are sandstone lenses, tongues and wedges as well as possibly quartzitic interbeds in graphitic schists. Syngenetic pyrite within the quartzite horizons may have been an important requisite for later economic sulphide replacement. The mineralization may be massive, banded, or disseminated although the latter might not make ore.

PROPERTIES

The following is an outline of work done on Pelly River Mines ground in 1965 and 1966.

L O GROUP

1965	Linecutting	4, 450 feet
	Magnetics	4,450 "
	Electromagnetics	4,450 "
	Geochemistry	78 samples
1966	Gravity	4,450 feet

BILL GROUP

1965	Linecutting	27,400 feet (3000 ft.base line)
	Magnetics	27,400 "

BILL GROUP (Continued)

1965	Electromagnetics	24,300 feet	
	Geochemistry	84 samples	
	Rotary Drilling	690 feet	2 holes
1966	I P Survey	8,000 feet	
	Gravity	36,100 "	
	Diamond Drilling	1,497 "	3 holes

JOE GROUP

1965	No Work	
1966	No Work	

TIE GROUP

1965	Linecutting	37,000 feet	(4000 ft. base line)
	Magnetics	37,000 "	
	Electromagnetics	33,000 "	
	Geochemistry	161 samples	
	Rotary Drilling	1,240 feet	4 holes
1966	No Work		

BOB GROUP

1965	No Work		
1966	Linecutting	46,200 feet	
	Magnetics	46,200 "	
	Electromagnetics	46,200 "	
	Geochemistry	241 samples	
	Gravity	19,950 feet	

TIE RH #1 (420')

0 - 20	Sericite schist, 1% sulphide mainly pyrite with lesser pyrrhotite.
20 - 40	Sericite quartz schist, 3% sulphide mainly pyrite with lesser pyrrhotite.
40 - 180	Sericite quartz schist, 40 - 50, 10% sulphides, 50 - 70, 3% sulphides, 70 - 100, 10% sulphides, 100 - 140, 3% sulphides, 140 - 180, 10% sulphides mainly pyrite with minor pyrrhotite.
180 - 250	Graphitic quartz schist, 10% sulphides mainly pyrite with minor pyrrhotite.
250 - 420	Sericite quartz schist, 10% sulphide, mainly pyrite with minor pyrrhotite.

TIE RH#2 (370')

0 - 370	Sericite quartz schist 0 - 20, 3% sulphides, 20 - 70, 10% sulphides, 70 - 120, 15% sulphides, 120 - 200, 7% sulphides, 200 - 210, 4% sulphides, 210 - 260, 7% sulphides, 260 - 290, 10% sulphides, 290 - 320, 7% sulphides, 320 - 370. 0' - 160' sulphides mainly pyrite with lesser pyrrhotite. 160 - 230 mainly pyrite with one half as much pyrrhotite. 230 - 370 mainly pyrite and pyrrhotite in equal amounts.

TIE RH#3 (220')

0 - 90	Biotitic quartz schist, 0 - 10 no sulphide, 10 - 20 less than 1%, 20 - 50, 3% sulphide, 50 - 80, 4% sulphide, 80 - 90, 7% sulphide.
90 - 140	Graphitic schist, 7% sulphide.
140 - 200	Quartz sericite schist, 140 - 180, 5% sulphide, 180 - 200, 2% sulphide.
200 - 210	No sample.
210 - 220	Quartz sericite schist, 5% sulphide. Sulphide mainly pyrite with lesser pyrrhotite.

TIE RH #4 (230')

0 - 20	No sample.
20 - 230	Quartz sericite schist, 20 - 40, 5% sulphide, 40 - 180, 10% sulphide, 180 - 230, 5% sulphide. Mainly pyrite with lesser pyrrhotite.

LO RH #4 (250')

20 - 120	Sericite quartz schist, 20' - 40', 15% sulphide 40' - 60', 10% sulphide, 60' - 90', 20% sulphide, mainly pyrite & pyrrhotite in equal amounts. 90' -120', 10% sulphide, mainly pyrite with about 2% pyrrhotite.
120 - 150	Graphitic quartz schist, 120' - 130', 10% sulphide, mainly pyrite with about 2% pyrrhotite, 130 - 150, 10% sulphide, mainly pyrite with minor pyrrhotite.
150 - 250	Sericite quartz schist, 150 - 180, 15% sulphide, mainly pyrite and pyrrhotite, 180 - 190, 20% sulphide, mainly pyrite with about 8% pyrrhotite. 190 - 210 10% sulphide, 210 - 220, 15% sulphide mainly pyrite and pyrrhotite, 220 - 230, 15% sulphide, mainly pyrite and lesser pyrrhotite, 230 - 240, 15% sulphide, mainly pyrite and pyrrhotite, 240 - 250, 10% sulphide mainly pyrite with about 3% pyrrhotite.

LAKE GROUP

1965	No Work	
1966	Geochemistry	278 samples

STATUS OF CLAIMS

All of PELLY RIVER MINES LTD. full size claims and fractional claims have been brought to a common date of record. All claims have been brought to the maximum assessment requirements allowable, five years. The claims are in good standing until July 1st, 1971.

CONCLUSIONS

Excepting the southern half of the BOB claim group and the LAKE group, the PELLY RIVER MINES LTD. property is underlain by favourable MYE formation rocks.

Virtually all of the airborne magnetic and electromagnetic anomalies that occur on PELLY RIVER ground have been tested by ground geophysical surveys and rotary or diamond drilling, with negative success.

With regard to further exploration on the PELLY RIVER MINES claims, it will be necessary to adopt techniques designed to uncover more subtly hidden ore bodies; that is, those that are perhaps deeper or of a non magnetic and non conductive character.

ANVIL MINING CORPORATION LIMITED Whitehorse, Yukon

PROPERTY NAME ..... HOLE NO. 66-PR-1 SCALE OF LOG 1"=40'

ROCK TYPES AND ALTERATION	MINERALIZATION AND STRUCTURES	FOOTAGE BLOCKS	% RECOVERY	SAMPLE NO.	INTERVAL FROM	INTERVAL TO
240		243	3.0c			
		246	3.0			
		250	0.7			
		251	5.0c			
		256				
			6.0			
		266				
			1.5			
275		275				

ANVIL MINING CORPORATION LIMITED
Whitehorse, Yukon
PROPERTY NAME BILL. CLAIM. GROUP.....
LOCATION ROSE CREEK, Yukon.
DATE DRILLED Oct 30 to Nov 12, 1966
SCALE OF LOG 1"=40' LOGGED BY PLB. DATE Nov 15, 1966

HOLE NO 66-PR-2 DEPTH 782'
COLLAR ELEVATION ..... CORE SIZE NQ ..... INCLINATION TESTS
BEARING ..... (MAG OR TRUE DIP -90°
CO-ORDINATES LINE 28 S. & STA. 15+50 E.
SURFACE ✓ OR UNDERGROUND .....
TOTAL RECOVERY 97.6%

SHEET 1 OF 3

ROCK TYPES AND ALTERATION	MINERALIZATION AND STRUCTURES	FOOTAGE BLOCKS	% RECOVERY	SAMPLE NO.	INTERVAL FROM	INTERVAL TO
0						
40		40				
CHLORITIC PHYLLITE: 40-53: light to med green, quartzitic: biotite banding increasing with depth.	foliation: 40-80: 0 to -10°:	42	2.0			
		51	8.5			
		58	5.2			
		61	3.0c			
53		62	1.0c			
CHLORITIC BIOTITE SCHIST: 53-90: brown biotite banding, minor quartz veins up to 6" wide (blue-grey) with minor pyrite. Local chlorite banding & clotting.			11.0c			
		73	7.0c			
80		80				
90	foliation: 80-120: -10° to -20°	87	5.5			
		90	3.0c			
BIOTITIC CHLORITIC PHYLLITE: 90-110: quartzitic, light to med green, biotite banding, minor quartz stringers.		97	6.3			
		100	3.0c			
	100: Pink (?) mineral.		9.0c			
110		109	4.0c			
	FAULT ZONE: 107-110:	113	1.0c			
		114	1.0c			
120 CHLORITIC PHYLLITE: 110-151: quartzitic		119	4.0c			
	foliation: 120-160: 0 to -10°	128	7.5			
	FAULT: 129		6.0			
		138	2.2			
		141	10.0c			
151	FAULT: 148-151: broken core					
130 SERICITIC CHLORITE SCHIST: 151-	148-165: very minor disseminated pyrite.	151	9.0c			
		160				
201: light to med green, minor quartz & biotite banding increasing with depth.	foliation: 160-200: -10°		10.0c			
		170	5.0c			
		175	11.0c			
		186	10.0c			
200		196				
201 BIOTITIC METAPHYLLITE: 201-238: quartzitic, minor sericite.		204	8.0c			
	FAULT: 209: gouge	211	7.0c			
		221	8.8			
ANDESITE: 238-239: greenstone med-dk green, med-fine grained.			10.0c			
240 238	236-241: intense crenulations	231	10.0c			

ANV.. MINING CORPORATION LIMITED Whitehorse, Yukon

PROPERTY NAME ..... HOLE NO. 66-P.R.-2 SCALE OF LOG 1"=40'

ROCK TYPES AND ALTERATION	MINERALIZATION AND STRUCTURES	FOOTAGE BLOCKS	% RECOVERY	SAMPLE NO.	INTERVAL FROM	INTERVAL TO
240		241				
BIOTITIC METAPHYLLITE: 239-260: chlorite clots up to ½" dia., local increases in chlorite.	foliation: 240-280: -15° to -75°:	251	10.0c			
260		261	10.0c			
BANDED GREENSTONE: 260-388: ANDESITE, minor biotite banding to 293 293-298, increased biotite banding		263	2.0c			
280		273	10.0c			
chlorite clots to 303, increase in biotite banding to 361		283	10.0c			
	foliation: 280-320: 0 to -55°	294	10.0c			
		304	8.0c			
		312	3.0c			
320		315				
	foliation: 0 to -15°.	326	10.3			
		336	10.0c			
		346	10.0c			
		350	4.0c			
360		355	5.0c			
		365	10.0c			
		366	1.0c			
		376	10.0c			
		388	12.0c			
388		399	11.0c			
BIOTITIC PHYLLITE: 388-490: med 400 brown to med grey, quartzitic in places, chlorite clots.		409	10.0c			
	FAULT ZONE: 409-416: minor alteration.	413	4.0c			
		416	1.2			
	423: Pink (?) mineral.	423	4.0			
		433	10.0c			
440		443	10.0c			
		453	8.7			
		462	10.0c			
		472	10.0c			
480		482	10.0c			
	480: Pink (?) mineral	492	8.0c			
490		500	8.0c			
BIOTITIC SERICITE SCHIST: 490-508: biotite clots, some chlorite in places, light to med grey 508	FAULT ZONE: 500-505: clay alteration.	508	11.0c			
514 ANDESITE: 508-514: CONTACTS 45°		519				
520						

ANVIL MINING CORPORATION LIMITED Whitehorse, Yukon

PROPERTY NAME ..... HOLE NO. GG-PR-2 SCALE OF LOG 1"=40'

ROCK TYPES AND ALTERATION	MINERALIZATION AND STRUCTURES	FOOTAGE BLOCKS	% RECOVERY	SAMPLE NO.	INTERVAL FROM	INTERVAL TO	Ag	Pb	Zn	Cu
520										
BIOTITIC PHYLLITE: 514-630: local andesitic sections, some quartz banding, minor quartz veins: grading towards metaphyllite by 628, minor sericite banding in places.	foliation: 0 to -10°	528	9.0							
		528	10.0c							
		541	3.0c							
		551	10.0c							
560			11.0c							
		562								
		565	3.0c							
		575	10.0c							
		585	10.0c							
		586	1.0c							
		590	3.5							
600		600	10.0c							
			33.0c							
630										
635 ANDESITE: 630-635: biotite banding	630-635: disseminated pyrite & pyrrhotite	633		3715	630	635				
640 BIOTITIC METAPHYLLITE: 635-637:			10.0c							
LIMESTONE: 637-677: crystalline, white, fine to med. grained, some sections of chloritic phyllite with very minor dissem. pyrite. Quartz veins up to 2" wide.		643								
		653	10.0c							
		662	8.5							
		672	10.0c							
680 677			10.0c							
SERICITIC BIOTITIC METAPHYLLITE: 677-782: chlorite banding, med grey-green to med brown in color, quartz veins up to 2" in thickness, chlorite increasing with depth.		682								
		683	1.0c							
		693	10.0c							
		703	10.0c							
720			20.0c							
		723								
		725	2.0c							
		737	10.5							
760			28.5							
		766								
		776	10.0c							
		778	2.0c							
782		782	4.0c							

RECOMMENDATIONS

Mye formation terrain, largely gently undulating, lends itself well to gravity surveys. Therefore, gravity surveys over the remaining claims not surveyed by gravity techniques are in order. These claim groups are most of the LO, the JOE, and the TIE Groups.

On the other hand, Vangorda formation terrain is generally not conducive to gravity techniques in view of the "cuesta" topographic and the basic nature of the volcanic extrusive and intrusive rocks. In addition the Vangorda formation is stratigraphically higher than the Mye formation and removed from the batholitic contact which may be an important control in the district, so that there is a somewhat lower probability of success. On this basis a complete geochemical survey coupled with geological mapping to define favourable quartzitic horizons is recommended for that part of the LAKE and BOB groups not yet investigated by geochemical surveys. Resulting geochemical and geological anomalies should be subjected to exploration by I P geophysical techniques.

Respectfully submitted by,

R. S. Adamson

R.S. Adamson, P. Eng.
Exploration Chief for
Anvil Mining Corp. Ltd.

Rotary Drill Hole Logs

LO RH #1 (380')

0 - 30	Biotitic quartz schist, 10% sulphides mainly pyrite with 2% pyrrhotite.
30 - 140	Sericite quartz schist, 30' - 60' 10% sulphides, mainly pyrite and pyrrhotite in equal amounts, 60' -130' 7% sulphides, mainly pyrite with lesser pyrrhotite, 130 - 140 10% sulphide, mainly pyrite and pyrrhotite in equal amounts.
140 - 210	Biotitic quartz schist. 140 - 180, 15% sulphide mainly pyrite and pyrrhotite. 180 - 190, 10% sulphide, mainly pyrite with about 2% pyrrhotite. 190 - 200, 10% sulphide. 200 - 210, 7% sulphide mainly pyrite and pyrrhotite in equal amounts.
210 - 380	Sericite quartz schist, 7% sulphide mainly pyrite & pyrrhotite.

LO RH#2 (340')

0 - 70	Biotitic quartz schist 0 - 20, 1% sulphide, 20 - 50 2% sulphide, 50 - 70, 5% sulphide, mainly pyrite with lesser pyrrhotite.
70 - 340	Sericite quartz schist, 70 - 80, 7% sulphide, mainly pyrite with minor pyrrhotite. 80 - 100, 10% sulphide, mainly pyrite with lesser pyrrhotite. 100 - 150, 15% sulphide mainly 150 - 190, 7% sulphide. 190 - 270, 12% sulphide. 270 - 340, 15% sulphide. Mainly pyrite and pyrrhotite in about equal amounts.

LO RH#3 (350')

0 - 20	Quartz sericite schist, 2% sulphide, mainly pyrite with lesser pyrrhotite.
20 - 60	Quartz sericite schist, 10% sulphide, mainly pyrite with lesser pyrrhotite.
60 - 120	Sericite - quartz schist, 60' - 110', 10% sulphide 110' - 120', 15% sulphide, largely pyrite with lesser pyrrhotite.
120 - 300	Graphitic schist, 120 - 130, 10% sulphide, 130 - 150, 15% sulphide, 150 - 270, 10% sulphide, 270 - 300, 5% sulphide, largely pyrite with lesser pyrrhotite.
300 - 350	Sericite quartz schist, 7% sulphide, mainly pyrite with lesser pyrrhotite, minor chalcopyrite 300 - 320.

LO RH#4 (250')

0 - 10	Sericite quartz schist, 1% pyrite and pyrrhotite with minor magnetite (?)
10 - 20	Sericite quartz schist, 10% sulphide, largely pyrite with about 1% pyrrhotite.

ANVIL MINING CORPORATION LIMITED
Whitehorse, Yukon
PROPERTY NAME .....
LOCATION Rose Creek, Yukon.
DATE DRILLED Oct 6 to Oct 26
SCALE OF LOG 1"=40' LOGGED BY D.M. DATE 28 OCT 1966

HOLE NO. 66-PR-1 DEPTH 275'
COLLAR ELEVATION ..... CORE SIZE AX ..... INCLINATION TESTS
BEARING ..... (MAG OR TRUE DIP .....
CO-ORDINATES ..... N. ..... E.
SURFACE ✓ OR UNDERGROUND .....
TOTAL RECOVERY 67.7%

SHEET 1 OF 2

ROCK TYPES AND ALTERATION	MINERALIZATION AND STRUCTURES	FOOTAGE BLOCKS	% RECOVERY	SAMPLE NO.	INTERVAL FROM	INTERVAL TO
0						
25						
GRAPHITIC PHYLLITE: 25-101.5: v.dark grey to black in color, quartzitic in several places 40 minor pyrite in foliations near top of hole.	foliation: 25-40: -35°	25 28 33 35	3.0c 4.0 2.0c			
	foliation: 40-80: -40°	43 48 60 65	4.0 4.5 9.8 2.0			
	FAULT ZONE: 71-79: gouge, broken core loss of core, brecciation.	71 74 79	6.5 2.4 3.0			
80						
	foliation: 80-120: -45° to -50°	82 86 93 97 100	2.0 3.5 4.0 3.2 2.5			
101.5						
106 BANDED QUARTZITE: 101.5-106!		106	4.7			
	FAULT ZONE: 106-110.5: gouge, brecciation	111	5.0c			
ACID TUFF: 106-166: pale buff in color, moderate alteration, rhyolitic.		117	5.0			
120						
	foliation: 120-275: unobtainable.	127	10.0c			
	FAULT: 130-132.5: gouge, broken core	131 134	4.0c 3.0c			
		140	5.6			
	FAULT ZONE: 143-221: broken core loss of core.	145	5.9c			
		155	10.0c 4.75			
160						
166		161 165	4.0			
GRAPHITIC PHYLLITE: 166-174: quartzitic		169	2.7			
174		174	3.7			
182 ACID TUFF: 174-182: fresh, rhyolitic		178.5	4.5c 3.8			
		185	1.0			
GRAPHITIC PHYLLITE: 182-222: as above.		188 193	1.7 2.5			
200		197				
		205	3.5			
			1.0			
222		215	4.3			
		221	1.3			
ACID TUFF: 222-275: pale buff color,		227	1.5			
240 mod. alteration, rhyolitic.		230 238	1.2			

ANVIL MINING CORPORATION LIMITED Whitehorse, Yukon

PROPERTY NAME ..... HOLE NO. 66-PR-3 SCALE OF LOG 1"=40'

ROCK TYPES AND ALTERATION	MINERALIZATION AND STRUCTURES	FOOTAGE BLOCKS	% RECOVERY	SAMPLE NO.	INTERVAL FROM	INTERVAL TO
240						
CHLORITIC METAPHYLLITE: 253-279 minor clay alteration, light grey to med green, brecciated, almost a schist in places.	foliation: 240 - 280: -20°	255				
		257	2.0c			
		266	9.0c			
		276	10.0c			
280-279						
BIOTITIC METAPHYLLITE: 279-291: 291 green-blue chlorite clots, sericite banding.	foliation: 280-320: -10°	286	10.0c			
CHLORITIC METAPHYLLITE: 291-358: altered, clay alteration, chlorite clots some phyllitic sections, some schistose sections becoming increasingly biotitic with depth. Quartz veins up to 6" thick		296	10.0c			
		304	8.0c			
		309	5.0c			
320		317.5	8.5c			
	foliation: 320-360: -10° 320-400: intense crenulations	327.5	10.0c			
		338	10.5c			
		347.5	9.5c			
		352	4.5c			
360 358		358	6.0c			
BIOTITIC METAPHYLLITE: 358-440: minor chlorite banding & clotting decreasing to 388, med. brown in color, sericite banding, chlorite increasing again from 413, chlorite banding	foliation: 360-440: -10°	368	10.0c			
		378	6.0			
		388	9.5			
400		394	6.0c			
	400-440: moderate crenulations.	406	10.3			
		416	10.0c			
		422	6.0c			
		428	5.5			
		432	4.0c			
440		440	8.0c			

ANVIL MINING CORPORATION LIMITED
Whitehorse, Yukon
PROPERTY NAME BILL. CLAIM GROUP.....
LOCATION Rose Creek, Yukon
DATE DRILLED Nov 4 to Nov 12, 1966
SCALE OF LOG 1"=40' LOGGED BY P.L.B DATE Nov 15, 1966

HOLE NO. 66-RR-3 DEPTH 440'
COLLAR ELEVATION ..... CORE SIZE NQ INCLINATION TESTS
BEARING ..... (MAG OR TRUE DIP 90°
CO-ORDINATES LINE 28 S X STA. 10+50 E.
SURFACE ✓ OR UNDERGROUND .....
TOTAL RECOVERY 97.9%

SHEET 1 OF 2

ROCK TYPES AND ALTERATION	MINERALIZATION AND STRUCTURES	FOOTAGE BLOCKS	% RECOVERY	SAMPLE NO.	INTERVAL FROM	INTERVAL TO
0						
SERICITIC BIOTITE SCHIST: 37-41: light to med brown, minor chlorite banding. 40		37				
BANDED GREENSTONE (ANDESITE): 41-52: med to dk. green, biotite banding, quartz stringers 52	foliation: 37-80: 0 to -40°	47	10.0c			
SERICITIC BIOTITE SCHIST: 52-147: chlorite clots & minor chlorite banding, local increases in chlorite and sericite. Chlorite increases & sericite decreases with depth.		56	9.0			
80		65	9.0			
		75	10.0c			
	foliation: 80-120: -30° to -40°	85	10.0c			
		95	10.0c			
		103	8.0c			
	FAULT: 106-110: breccation, minor clay alteration.		11.0c			
	114: Pink mineral	114				
120	114-149: V. minor dissem pyrite		10.0c			
	foliation: 120-160: -30°	124				
		134	10.0c			
		144	10.0c			
147	FAULT: 145.5-150: gouge, breccia, broken core.	145.5	1.0			
CHLORITE SCHIST: 147-156: light to med green. 156		149.5	3.5			
160		160	0.5c			
			10.5c			
BIOTITIC SERICITE SCHIST: 156-177: chlorite clots & local increases of chlorite, light grey to brown in colour 177	foliation: 160-200: -20° to -30°	160.5	10.0c			
		170.5	1.2			
		172	10.0c			
BIOTITIC METAPHYLLITE: 177-194.5 chlorite banding and clots, light to med. brown in color, local sericite banding. 194.5		182	10.0c			
	194-212: minor dissem. pyrite & Po.	192				
ANDESITE: 194.5-197: Upper contact -30° 200	202: quartz vein 6" thick, tourmaline, pyrite		10.0c			
CHLORITIC BIOTITIC METAPHYLLITE: 197-230: med. brown to light green in color, some dark blue chlorite clotting, sericitic in places	foliation: 200-240: -20°	202				
		212	10.0c			
		217	5.0c			
230		227	9.5			
QUARTZ SERICITE SCHIST: 230-233 240		232	5.0c			
		239	7.0			
			16.0c			

MAGNETIC SURVEY 1966
ELECTROMAGNETIC SURVEY 1966
GEOCHEMICAL SURVEY 1966

GRAVITY SURVEY 1966

BASE LINE

72W 64W 56W 48W 40W 32W 24W 16W 8W

RICH CLAIM GROUP
ANVIL MINING CORP.

BOB 1 BOB 2 BOB 3 BOB 4 BOB 5 BOB 6 BOB 7 BOB 8 BOB 9 BOB 10 BOB 11 BOB 12 BOB 13 BOB 14 BOB 15 BOB 16 BOB 17 BOB 18 BOB 19 BOB 20 BOB 21 BOB 22 BOB 23 BOB 24

QUE 80 QUE 81 QUE 34 QUE 35 QUE 36 QUE 23 QUE 24 QUE 25 QUE 26 QUE 27 QUE 28 QUE 29 QUE 30 QUE 31 QUE 32 QUE 33 QUE 10 QUE 20 QUE 21 QUE 22

MYE FORMATION
VANGORDA FORMATION

DY CLAIM GROUP
ANVIL MINING CORP.

GEOCHEMICAL SURVEY 1966

DY 183 DY 184 DY 144

LAKE 40 LAKE 39 LAKE 38 LAKE 37 LAKE 36 LAKE 35 LAKE 34 LAKE 33 LAKE 32 LAKE 31 LAKE 30 LAKE 29 LAKE 28 LAKE 27 LAKE 26 LAKE 25 LAKE 24 LAKE 23 LAKE 22 LAKE 21 LAKE 20 LAKE 19 LAKE 18 LAKE 17 LAKE 16 LAKE 15 LAKE 14 LAKE 13 LAKE 12 LAKE 11 LAKE 10 LAKE 9 LAKE 8 LAKE 7 LAKE 6 LAKE 5 LAKE 4 LAKE 3 LAKE 2 LAKE 1

QUE 37 QUE 38 QUE 39 QUE 40 QUE 41 QUE 42 QUE 43 QUE 44 QUE 45 QUE 46 QUE 47 QUE 48 QUE 49 QUE 50 QUE 51 QUE 52 QUE 53 QUE 54 QUE 55 QUE 56 QUE 57 QUE 58 QUE 59 QUE 60 QUE 61 QUE 62 QUE 63 QUE 64 QUE 65 QUE 66 QUE 67 QUE 68 QUE 69 QUE 70 QUE 71 QUE 72 QUE 73 QUE 74 QUE 75 QUE 76 QUE 77 QUE 78 QUE 79

CREEK

FARO

VANGORDA MINES LTD.

VANGORDA MINES LTD.

FAULT

SUN CLAIM GROUP
ANVIL MINING CORP.

DEA CLAIM GROUP
ANVIL MINING CORP.

PELLY RVR.

inches
0 1 2
0 1 2 3 4 5
centimetres

This reference scale bar has been added to the original drawing. It was scaled at the same rate as the image, therefore it can be used as a reference for the original size.

YUKON GEOLOGICAL SURVEY

ANVIL MINING CORP.

WHITEHORSE

PELLY RIVER MINES LTD.
SOUTH EAST CLAIMS
ANVIL DIST. YUKON

DATE: Nov. 25/66
SCALE: 1" = 1000'
DRAWN BY:

DRAWING Nº WB-71
FILE:

DATE PRINTED:

MAGNETIC SURVEY 1965
ELECTROMAGNETIC SURVEY 1965
GEOCHEMICAL SURVEY 1965
GRAVITY SURVEY 1966

IP SURVEY 1966

MAGNETIC SURVEY 1965
ELECTROMAGNETIC SURVEY 1965
GEOCHEMICAL SURVEY 1965

O DDH 66-PR1, INDICATES DIAMOND DRILL HOLE LOC.
● TRH 1, INDICATES ROTARY DRILL HOLE LOC.

ANVIL MINING CORP.	
WHITEHORSE	
PELLY RIVER MINES LTD. NORTH EAST CLAIMS ANVIL DIST. YUKON	
DATE: Nov. 26/66 SCALE: 1" = 1000' DRAWN BY: JJ	DRAWING Nº WX-17
FILE:	

DATE PRINTED:

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