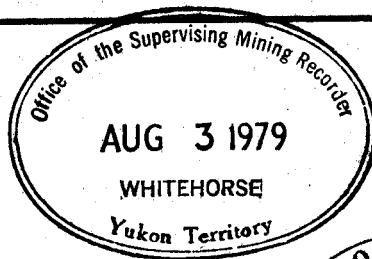
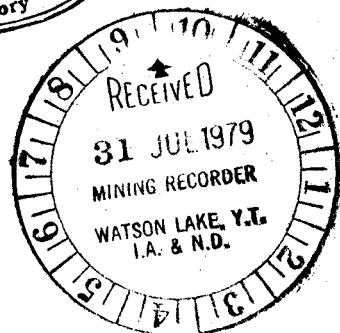


WELCOME NORTH MINES LTD. (N.P.L.)
1027 - 470 Granville St., Vancouver, B.C. V6C 1V5 Telephone (604) 687-1658



DIAMOND DRILL LOGS

TO SUPPORT



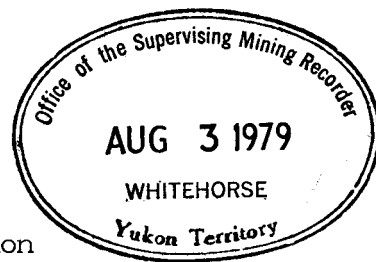
APPLICATION FOR CERTIFICATES OF WORK
ON THE
ANGIE MINERAL CLAIMS
SUBMITTED JULY 6, 1979

09 1151



Indian and
Northern Affairs

Affaires indiennes
et du Nord



P. O. Box 269
Watson Lake, Yukon
YOA 1C0

1 August, 1979

Your file *Votre référence*

Our file *Notre référence*

REGIONAL DIRECTOR RESOURCES

Attention: Supervising Mining
Recorder

REGISTERED MAIL

RESTRICTED

Enclosed, for your information, copies of Diamond Drill Logs relating to drilling performed on the ANGIE 65 and 67 mineral claims, located on claim sheet 105-F-15.

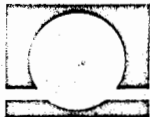
A total of 782 feet were drilled in three holes and an expenditure of \$41,177.15 is claimed.

Yours truly,

V. W. Johanson
Mining Recorder
Watson Lake Mining District

PLM
Encl.
cc/ Regional Geologist

001151



WELCOME NORTH MINES LTD. (N.P.L.)

1027-470 Granville St., Vancouver, B.C. V6C 1V5 Telephone (604) 687-1658

1979 DIAMOND DRILL PROGRAM

STATEMENT OF COSTS

WORK CONDUCTED ON ANGIE 65 and 67 MINERAL CLAIMS
DURING THE PERIOD MAY 1 to JUNE 29, 1979

ARCTIC DIAMOND DRILLING, Inv. 2060 (copy attached)	\$26,178.74
MCCRORY HOLDINGS LTD., no inv. number (copy attached)	1,400.00
TERR-AIR ROTARY LTD. (copies of invoices attached)	6,272.25
Inv. No. Charter ticket 5723, 5787, 5784, 5783, 5759, 5264 5756, 5720, 5684, 5298, 5273, 5260	

SALARIES & WAGES (May and June, 1979)


<u>Personnel - Name and Address</u>	<u>Rate of Pay/Day x No. Days</u>	
Frank Foster 2568 Palmerston Avenue West Vancouver, BC V7V 2W5	May: 7.5 days June: ---	666.07 ---
Robert Holland 204- 6331 McKay Avenue Burnaby, BC	May: 9 days June: 21.5 days	789.39 1,240.19
Ian Casidy 739 Kilkeel Place North Vancouver, BC	May: --- June: 11.5 days	--- 413.31
Kurt Preinsperger 207-380 West 8th Avenue Vancouver, BC	May: --- June: 2 days	--- 89.26
Jane Gahan 26 Chesham Drive Downsview, ON M3M 1W7	May: 9 days	<u>384.57</u> <u>3,582.79</u>
		37,433.78

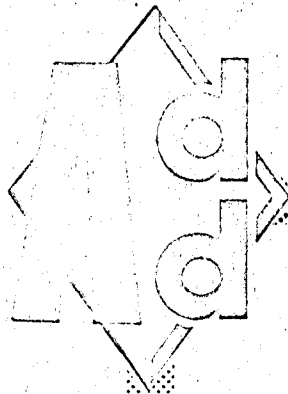
OVERHEAD @ 10%

3,743.37

\$41,177.15

Certified a true copy of expenditures and supporting vouchers as recorded in the books of the company relating to Diamond Drilling on the Angie #65 and Angie #67 mineral claims as at June 29, 1979. Charges pro-rated Angie #65 \$27,400
Angie #67 \$13,700


Irene Wilson, Welcome North Mines Ltd.
Secretary.



ARCTIC DIAMOND DRILLING LTD.

184 Industrial Road, Whitehorse, Yukon Y1A 2V1 (403) 667-6434

INVOICE # 2060

June 27, 1979

IN ACCOUNT WITH:

Welcome North Mines Ltd.,
1027 - 470 Granville Street
Vancouver, B.C.
V6C 1V5

Drilling Charges for the period ended June 15, 1979.

Mobilization

Re: Clause 16 Of Contract 1/2 x2500.00 \$1250.00

Moving

Moving in to first set up

160 Man Hours @ \$17.75 per hour. 2840.00 4090.00

Hole #79-A-1-45'xBQ

Overburden

0-10 = 10 ft @ \$18.85 per ft. 188.50

Core Drilling

10-277 =267 feet @ \$18.85 per ft. 5032.95

Testing

2 Man hours @ \$18.85 per hr. 37.70

1 Machine hour @ \$10.00 per hr 10.00 47.70

Equipment left in hole

1 only 10 ft. length BW Casing 63.00

1 only 5 ft. length BW Casing 36.45

1 only B.W. Shoe #23F8499 198.00

297.45

Plus 10 %

29.74

327.19

5596.34

Hole # 79-A-2-45'xBQ

MOVING

72 Man hours @ \$17.75 per hr. 1278.00

Overburden

0-10=10ft @ \$18.85 per ft. 188.50

CORE DRILLING

10-300=290ft @ \$18.85 per ft 5466.50

Reaming through Cave.

2 Man Hours @ \$18.85 per hr. 37.70

1 Machine hr @ 10.00 per hr. 10.00 47.70

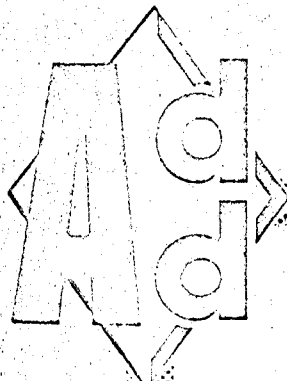
6980.70

\$9686.34

Angie

c/fwd.....

JUL 1 1975



ARCTIC DIAMOND DRILLING LTD.

184 Industrial Road, Whitehorse, Yukon Y1A 2V1 (403) 667-6434

B/Fwd.....23,640.74

Moving:

Moving from Angie to Lapie Bridge

95 Man hours @ \$17.75 per hr 1686.00

Standby

Waiting for Helicopter

32 Man hours @ \$17.75 per hr 568.00

Left on hill no helicopter

16 Man hrs @ \$17.75 per hr. 284.00

Moving from Lapie Bridge to

Rachel Claims.

16 Man hrs. @ 17.75 per hr 284.00

Moving onto first set up on

Rachel Claims

56 Man hrs @ \$17.75 per hr. 994.00

Truck Rental & Driver

500 Miles @ \$100 per mile \$500.00

49 Man hrs @ \$17.75 per hr. 869.75

1369.75

5,185.75

28,826.49

} 2538

RACHEL }

#25 - Drilling - w/S Angie S. \$26,178.74

v/G Rachel \$.2,647.75

~~\$28,826.49~~

28,826.49

R.

McCrorry Holdings (Yukon) Ltd
72 E 12th Ave.
Whitehorse, Y.T. Y1A 4K1
June 6, 1979

Frank Foster
Welcome North Mines Ltd. (NPL)
c/o Stirling Expediting
Ross River, Y.T.

DRILL SITE

Re: Billing for ~~Helicopter~~ Pads (Woodside Project)

1 day mobilization from Whitehorse to Ross River	= \$ 350.00
2 days drilling and blasting @ \$350.00 per day	= 700.00
1 day demobilization from Ross River to Whitehorse	= <u>350.00</u>
Total	= \$1400.00

Thank You

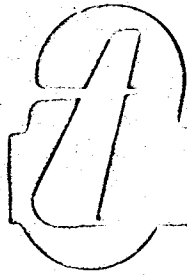
Jefor McCrorry

McCrorry Holdings (Yukon) Ltd.

PAID
Chk. # <u>1495</u>
Date <u>6/19/79</u>
Code
Journal

*W/Side
Angie Drilling*

PA.



ROSS RIVER
YUKON
CANADA

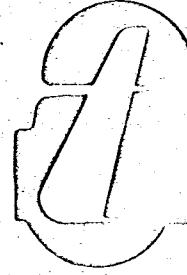
HELICOPTER CHARTER

terr-air
ROTARY LTD.

PHONE: 403-969-2240

JUN 27 1978

PROJECT: 11/10/78 CHARTER TICKET 5737
 AIRCRAFT: UH-1H DATE: June 27/78
 NAME: W. J. ...
 ADDRESS: _____



ROSS RIVER
YUKON
CANADA

HELICOPTER CHARTER

terr-air
ROTARY LTD.

PHONE: 403-969-2240

JUN 27 1978

PROJECT: _____ CHARTER TICKET 5737
 AIRCRAFT: UH-1H DATE: June 27/78
 NAME: W. J. ...
 ADDRESS: _____

FLIGHT/PASSENGER DETAILS	HOURS	MINS.	FUEL
10:10 AM - 11:00 AM To Knapik & Cadogan 15 mins	5		Angie
11:00 AM - 11:45 AM To Angie Mine 45 mins	5		Angie
11:45 AM - 12:15 PM Return to Knapik 30 mins	5		Rachel
TOTAL HRS @ PER HR.	15		
EXTRA CHARGES			

FLIGHT/PASSENGER DETAILS	HOURS	MINS.	FUEL
CREW TO ANGLE 10:00 AM - 10:15 AM 15 mins	0.25		10
#70 - w/s Angie			
TOTAL HRS @ PER HR.	0.25		
EXTRA CHARGES			

570 - w/s Angie @ 175.00
 570 - w/s Rachel @ 175.25
 TOTAL CHARGES 350.25
 STAR PRINTING, WHITEHORSE

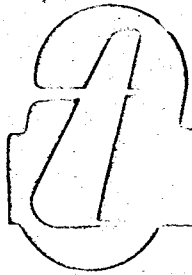
TOTAL CHARGES 141.00
 STAR PRINTING, WHITEHORSE

Charterer's Authorization

Pilot's Signature

Charterer's Authorization

Pilot's Signature



ROSS RIVER
YUKON
CANADA

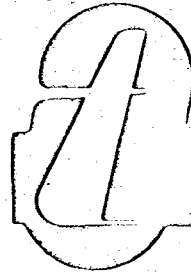
HELICOPTER CHARTER

terr-air
ROTARY LTD.

PHONE: 403-969-2240

JUN 2 1979

PROJECT: _____ CHARTER TICKET 5702
 AIRCRAFT 5110 DATE June 1979
 NAME _____
 ADDRESS _____



ROSS RIVER
YUKON
CANADA

HELICOPTER CHARTER

terr-air
ROTARY LTD.

PHONE: 403-969-2240

JUN 2 1979

PROJECT: _____ CHARTER TICKET 5728
 AIRCRAFT 5110 DATE June 1979
 NAME _____
 ADDRESS _____

FLIGHT/PASSENGER DETAILS	HOURS	MINS.	FUEL
<i>W/S Angie</i>			
<i>#70</i>			
TOTAL HRS			
EXTRA CHARGES			
TOTAL CHARGES	<i>141.00</i>		

FLIGHT/PASSENGER DETAILS	HOURS	MINS.	FUEL
<i>B. Hurland, G. Delane</i>			
<i>#70 - w/s Angie</i>			
TOTAL HRS			
EXTRA CHARGES			
TOTAL CHARGES	<i>528.75</i>		

STAR PRINTING, WHITEHORSE

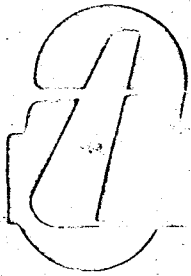
STAR PRINTING, WHITEHORSE

Charterer's Authorization

Pilot's Signature

Charterer's Authorization

Pilot's Signature



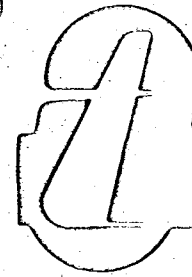
ROSS RIVER
YUKON
CANADA

terr-air
ROTARY LTD.

PHONE: 403-969-2240

HELICOPTER CHARTER

PROJECT: _____ CHARTER TICKET _____
 AIRCRAFT _____ DATE _____
 NAME _____
 ADDRESS _____



ROSS RIVER
YUKON
CANADA

terr-air
ROTARY LTD.

PHONE: 403-969-2240

HELICOPTER CHARTER

PROJECT: _____ CHARTER TICKET _____
 AIRCRAFT _____ DATE _____
 NAME _____
 ADDRESS _____

FLIGHT/PASSENGER DETAILS	HOURS	MINS.	FUEL
<i>CRUISE TO ANGLIE CREEK</i>	<i>0.5</i>		<i>7.5</i>
<i>#70 - w/S Angie</i>			
TOTAL HRS @ PER HR.			
EXTRA CHARGES			
TOTAL CHARGES	<i>105.75</i>		

FLIGHT/PASSENGER DETAILS	HOURS	MINS.	FUEL
<i>CRUISE TO ANGLIE CREEK</i>			
<i>#70 - w/S Angie</i>			
TOTAL HRS @ PER HR.			
EXTRA CHARGES			
TOTAL CHARGES	<i>105.75</i>		

STAR PRINTING, WHITEHORSE

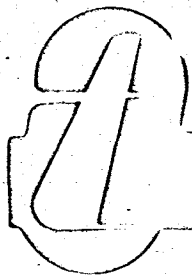
STAR PRINTING, WHITEHORSE

Charterer's Authorization

Pilot's Signature

Charterer's Authorization

Pilot's Signature



ROSS RIVER
YUKON
CANADA

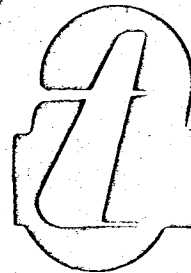
HELICOPTER CHARTER

terr-air
ROTARY LTD.

PHONE: 403-969-2240

JUN 2 1979

PROJECT: Woodside CHARTER TICKET 5720
 AIRCRAFT: UH-1 DATE: JUNE 9 1979
 NAME: William West
 ADDRESS: _____



ROSS RIVER
YUKON
CANADA

HELICOPTER CHARTER

terr-air
ROTARY LTD.

PHONE: 403-969-2240

PROJECT: Woodside CHARTER TICKET 5801
 AIRCRAFT: UH-1 DATE: JUN 7 79
 NAME: William West
 ADDRESS: _____

FLIGHT/PASSENGER DETAILS	HOURS	MINS.	FUEL
From Ross - to Angie slight over Ross to Ross	1.0		50
#70 - w/s Angie			
TOTAL HRS @ PER HR.			
EXTRA CHARGES			
TOTAL CHARGES	705.00		

STAR PRINTING WHITEHORSE

FLIGHT/PASSENGER DETAILS	HOURS	MINS.	FUEL
From Ross - to Angie slight over Ross to Ross	1.0	5	15.5
#70 - w/s Angie			
TOTAL HRS @ PER HR.			
EXTRA CHARGES			
TOTAL CHARGES	177.75		

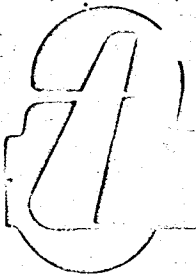
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Charterer's Authorization

Pilot's Signature

Charterer's Authorization

Pilot's Signature



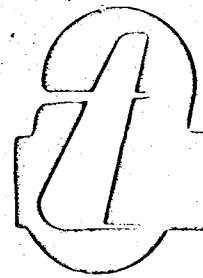
ROSS RIVER
YUKON
CANADA

HELICOPTER CHARTER

terr-air
ROTARY LTD.

PHONE: 403-969-2240

PROJECT: WOODSIDE CHARTER TICKET: 5273
 AIRCRAFT: VH DATE: JUNE 13/79
 NAME: William No. 1
 ADDRESS: _____



ROSS RIVER
YUKON
CANADA

HELICOPTER CHARTER

terr-air
ROTARY LTD.

PHONE: 403-969-2240

JUN 27 1979

PROJECT: WOODSIDE CHARTER TICKET: 5273
 AIRCRAFT: VH DATE: JUNE 10/79
 NAME: William No. 1
 ADDRESS: _____

FLIGHT/PASSENGER DETAILS	HOURS	MINS.	FUEL
<u>WOODSIDE</u>	<u>6.7</u>		<u>117.5</u>
<u>1170 W/S Angie</u>			
TOTAL HRS @ PER HR.			
EXTRA CHARGES			

FLIGHT/PASSENGER DETAILS	HOURS	MINS.	FUEL
<u>ANGIE WITH</u>			
<u>Sub Holland</u>	<u>3</u>		
<u>Med.</u>			
<u>Passenger Re Radio</u>			<u>30.0</u>
<u>W/S 10 more fuel</u>	<u>4</u>		
<u>has fuel</u>			
<u>W/S 10 more fuel</u>	<u>3</u>		
<u>ANGIE 3 PM 5 PM</u>			
<u>W/S 10 more fuel</u>	<u>2</u>		
TOTAL HRS @ PER HR.			
EXTRA CHARGES			

TOTAL CHARGES 2,361.75

1170 W/S Angie TOTAL CHARGES 423.00

STAR PRINTING, WHITEHORSE

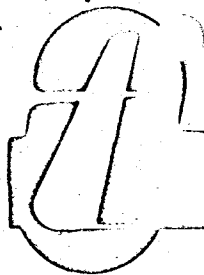
STAR PRINTING, WHITEHORSE

Charterer's Authorization

Pilot's Signature

Charterer's Authorization

Pilot's Signature



ROSS RIVER
YUKON
CANADA

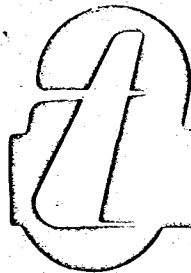
HELICOPTER CHARTER

terr-air
ROTARY LTD.

PHONE: 403-969-2240

JUN 2 1979

PROJECT: Movie Woods DE CHARTER TICKET 5204
 AIRCRAFT: XON DATE: JUNE 6 1979
 NAME: Welcome North
 ADDRESS: _____



ROSS RIVER
YUKON
CANADA

HELICOPTER CHARTER

terr-air
ROTARY LTD.

PHONE: 403-969-2240

JUN 27 1979

PROJECT: Woods DE CHARTER TICKET 5200
 AIRCRAFT: XON DATE: JUNE 11 1979
 NAME: Welcome North
 ADDRESS: _____

FLIGHT/PASSENGER DETAILS	HOURS	MINS.	FUEL
TO ANGLE DRILL MOVIE RTN ROSS R	1.9		45
#70 - w/s Angie			
TOTAL HRS			PER HR.
EXTRA CHARGES			
TOTAL CHARGES	666.00		

FLIGHT/PASSENGER DETAILS	HOURS	MINS.	FUEL
HOOPER BOB & IA TO DRILL WAIT SET OUT AM	.4		
PICK UP PM	.3		
TO DRILL + ROSS			
5 AM TO DRILL WAIT SLING CORE RR.	.5		
TO DRILL PM			
TOTAL HRS			PER HR.
EXTRA CHARGES			
#70 - w/s Angie			
TOTAL CHARGES	564.00		

STAR PRINTING, WHITEHORSE

STAR PRINTING, WHITEHORSE

Charterer's Authorization

Pilot's Signature

Charterer's Authorization

Pilot's Signature



Drill core for DDH 79A-3 is stored at the Welcome North Mines Ltd. Warehouse in Ross River, Y.T.

Collar:		Hole Survey		
NORTH	28+45N	Footage	Azimuth	Dip
EAST	0+60W	0	025°	-44°
ELEVATION	5590'			
LOGGED BY	R.T. Holland	200		-52°
DATE LOGGED	June 10, 1979	205		
MAP REFERENCE	105F-15	Method: Acid Test		

PROJECT WOODSIDE
 PROPERTY NAME ANGIE
 DRILLING CONTRACTOR ARCTIC DIAMOND DRILLING
 ASSAYER BONDAR-CLEGG AND COMPANY LTD.
 PURPOSE OF HOLE TEST EXTENSION OF ANGIE MINERALIZATION
 AT DEPTH.

HOLE NO.	<u>79A-3</u>
CLAIM NAME	<u>ANGIE 67</u>
COMMENCED	<u>June 9, 1979</u>
FINISHED	<u>June 11, 1979</u>

From	To	Rcvy %		Sample				Assays				Visual Log	MIN	
				From	To	Width	No.	Zn	Ag					
0	18.0	10	Overburden, talus and suboutcrop - mainly crenulated, rusty phyllite, black shale and white quartz sweets	0	20	20		140	1.5					
18.0	23.0	60	silty shale - thinly interlaminated (<< 1mm-2mm) brownish grey siltstone, dark grey silty shale and black shale - strongly fissile (planar to wrinkled) phyllitic with very fine crenulations, non-graphitic, grades from predominantly shale at 18.0 to predominantly siltstone at 22.0, laminae at 35° to core axis											
23.0	65.0	30	black shale - finely laminated with minor, locally concentrated silty laminae (often with reddish (rusty) coloration), strongly fissile, locally graphitic, similar to shale-rich phases of 18.0-23.0	20	30	10		155	0.6					
			rusty along fractures and in minor hairline quartz stringers	30	40	10		135	0.5					
			42.0-48.0 - massive silicified dark grey shale associated with quartz-ankerite sweets and stockwork - broken with very poor recovery	40	50	10		88	0.4					
			52.0-59.0; 63.0-65.0 - same as 42.0-48.0	50	60	10		52	0.6					
			layering 23.0-42.0 at 35°; 48.0-52.0 at 70°; 59.0-63.0 at 60° to core axis	60	70	10		90	0.1					
65.0	69.0	40	phyllitic limestone (grey phyllite) - strongly fissile, thin laminated grey limestone and greenish-grey shaly limestone - soft and broken with some quartz-carbonate sweets											
69.0	136.0	70	silty limestone (Angie Limestone) - fine grained, dark grey, faintly laminated, poor to moderately fissile with shaly partings due to very fine black shale laminae; minor shale bands generally < 2 cm	70	80	10		78	0.1					
				80	90	10		130	0.1					
				90	100	10		195	0.5					



Drill core for DDH 79A-1 is stored at the Welcome North Mine Ltd Warehouse in Ross River, NT

Collar:		Hole Survey		
NORTH	32+95N	Footage	Azimuth	Dip
EAST	7+85W	0	025°	-50°
ELEVATION	5300			
LOGGED BY	R.T. HOLLAND			
DATE LOGGED	June 5, 1979			
MAP REFERENCE	105E-15	Method:		

PROJECT WOODSIDE
 PROPERTY NAME ANGIE
 DRILLING CONTRACTOR ARCTIC DIAMOND DRILLING
 ASSAYER BONDAR, CLEGG & CO.
 PURPOSE OF HOLE TEST LATERAL EXTENT OF ANGIE MINERALIZATION

HOLE NO. 79A-1
 CLAIM NAME ANGIE 65
 COMMENCED June 4, 1979
 FINISHED June 5, 1979

From	To	Rcvy %		Sample				Assays PPM		Visual Log
				From	To	Width	No.	Zn	Ag	
0	11.0	0	Overburden and talus							
11.0	16.0	80	shale - grey to black, soft non-calcareous, phyllitic, finely laminated (<<1mm with occasional up to 2mm thick), strongly and thinly fissile, locally weakly sooty, contains abundant fine quartz and quartz-ankerite stringers, discontinuous laminae and occasional small calcareous sweats (rusty due to breakdown of ankerite) layering at 75° to core axis	0	16	16		515	1.1	
16.0	37.0	65	shale - similar to 11.0-16.0 except black and weakly sooty throughout; sweats locally abundant with associated strongly graphitic shale, locally also contains thin reddish bands (ironstain); often contains fine disseminated rusty specks (ankerite?); contains some dark grey shale similar to 11.0-16.0; increasingly broken to 33.0	16	20	4		210	1.3	
			24.5-27.0 - small dark grey calcareous zones present	20	30	10		200	0.7	
			33.0-33.5 - crumbly and muddy	30	37	7		145	0.4	
			35.0 - shale breccia in quartz matrix (3" quartz sweat)							
			35.0-36.0 - increased quartz-ankerite laminae and reddish bands layering - layering at 75° decreasing to 50° at 24.0 and 20° at 25.5; increase to 70° at 27.5; at 70° to 37.0							
37.0	38.5	90	shale breccia - up to 60% quartz and lesser ankerite matrix; clasts graphitic							
38.5	43.0	90	shale - similar to 16.0-37.0 - increased fine sweats and discontinuous laminae (locally up to 40%) layering at 70° to core axis	37	43	6		395	1.8	



PROPERTY ANGIE

HOLE NO. 79A-1

LOGGED BY R.T. HOLLAND

DATE June 5, 1979

From	To	Rcvy %	Description	Sample				ppm Assays				Visual Log
				From	To	Width	No.	Zn	Ag	Zn %	Ag oz	
43.0	53.7	90	silty shale - grey to black silty and shaly thin laminations (<<1mm - 7 mm thick), usually disrupted, boudined and wispy, weakly sooty, moderately fissile; fine quartz-ankerite stringers, sweats, and discontinuous laminae abundant especially in more silty sections; thin wispy reddish laminae also common layering at 75° to core axis	43	53.7	10.7		800	4.0			
53.7	58.5	90	silty limestone (Angie Limestone) - grey to dark grey, poor to moderately fissile, finely laminated as outlined by hairline wisps of white remobilized carbonate; hairline carbonate stringers also common 57.5 - minor breccia in white carbonate matrix layering at 70° to core axis	53.7	58.5	4.8		6800	2.8			
58.5	61.5	50	silty shale - dark grey to black shale with fine planar laminae of light grey siltstone; non-calcareous, moderately fissile to broken; contains localized fine disseminated smithsonite-bearing pits (leached) probably after sphalerite, appears to be bedding controlled, at least two mineralized zones are apparent varying from 0-10% pits, thickness not apparent due to poor recovery and broken nature of core N.B. assays expected to be low due to leached nature of mineralization	58.5	61.5	3				4.03%	0.88oz	
61.5	66.5	65	silty limestone - similar to 53.7-58.5 but with much less remobilized carbonate and hence very faint laminations, broken, minor white quartz-carbonate veinlets 61.8 - ~ 1" shale band, may contain minor very fine disseminated smithsonite layering at 65° to core axis	61.5	66.5	5		3900	2.5			

PROPERTY ANGIEHOLE NO. 79A-1LOGGED BY R.T. HollandDATE June 5, 1979

From	To	Rcvy %	Description	Sample				PPM Assays				Visual Log	Min	
				From	To	Width	No.	Zn	Ag					
127.0	137.0	60	shaly limestone - black, massive to finely laminated, poorly fissile with poorly defined sooty shaly parting, abundant fine white carbonate stringers (weak stockwork), locally finely broken and sooty with very poor recovery 129-130 - breccia, up to 65% quartz-carbonate matrix layering at 60°-70°	125.0	135.0	10		355	0.8					
137.5	147.0	45	silty shale - similar to 127.0-137.5 except non-calcareous massive and contains abundant quartz-carbonate stockwork (up to 40%), generally broken often finely	135.0	145.0	10		210	2.4					
147.0	152.0	90	silty shale - sooty, black, non-calcareous with grey to light grey siltstone laminations which are disrupted by a coarse cross cutting shaly, graphitic cleavage, moderately fissile; fine hairline quartz stringers and coarser quartz-ankerite veinlets and sweats common layering generally at 10-15° to core axis cleavage generally at 50°	145.0	155.0	10		257	0.9					
152.0	162.2	95	remobilized quartz-carbonate - mottled grey and white, locally rusty, rusty fractures abundant 161 - minor black shale	155.0	165.0	10		160	0.7					
162.2	163.8	90	shale - graphitic, black with remnant silty laminae, all disrupted and impregnated with up to 60% quartz with minor carbonate - transition zone											
163.8	168.9	95	silty shale - similar to 147.0-152.0, strongly fissile, thin laminated (1mm-3mm occasionally to 10mm thick) undisrupted with no cross cutting cleavage; sweats mainly quartz layering at 55° decrease to 0° at 166.5, 167.0 at 30° 168.1 - small scale fold (see visual log)	165.0	175.0	10		145	0.6					



PROPERTY ANGLE _____ HOLE NO. 79A-1 LOGGED BY R.T. Holland DATE June 5, 1979

From	To	Rcvy %	Description	Sample				PPM Assays		Visual Log	MIN
				From	To	Width	No.	Zn	Ag		
168.9	197.4	95	shale - black, soft, graphitic, indistinctly fine laminated and contorted on fine scale, occasional fine quartz-ankerite and minor quartz-rich siltstone laminae outline layering; quartz veinlets and stringers locally common, axial plane cleavage locally developed	175.0	185.0	10		50	1.0		
			170.5-171.8 - shaly grey siltstone, locally strongly calcareous, coarse graphitic shaly parting at 50° to core axis disrupts quartz stringers	185.0	195.0	10		48	1.6		
			layering at 60-80° to 170.5 - folding								
			172.2 decrease to 0°, 175.0 increase to 30°								
			177.7 at 65° folding								
			179.0 at 30°, cleavage at 45°								
			181.5 at 0-30° folding								
			183.0 at 20° consistent								
			187.0 increase to 45°								
			189.0 at 30-55° - faint								
			192.0 at 0-20° - indistinct, cleavage at 50°								
197.4	199.0	100	silty shale - dark grey, non-calcareous, massive, hard, quartz-ankerite stockwork								
199.0	200.5	100	silty shale - similar to 197.4-199.0; much less stockwork, moderately fissile, faint planar laminated at 60°	195.0	205.0	10		100	0.7		
200.5	277.0	85	shale - similar to 168.9-197.4, indistinctly to well laminated with lustrous graphitic and occasional fine silty laminae, planar to wavy with some minor folding, locally broken, minor pyrite blebs in some quartz sweats	205.0	215.0	10		35	0.7		
			247.0-258.5 - dark grey, graphite poor	215.0	225.0	10		53	0.6		
			layering at 20-80° generally near 50°, no layering 247-277	225.0	235.0	10		55	0.5		
			258.5-277.0 cleavage at 75°	235.0	245.0	10		140	0.6		
				245.0	255.0	10		117	1.0		
				255.0	265.0	10		40	1.1		
				265.0	275.0	10		52	1.2		
				275.0	277.0	10		90	1.2		

END OF HOLE



PROPERTY ANGIE

HOLE NO. 79A-2

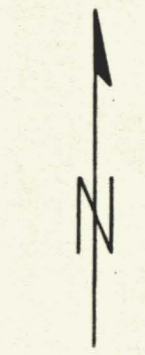
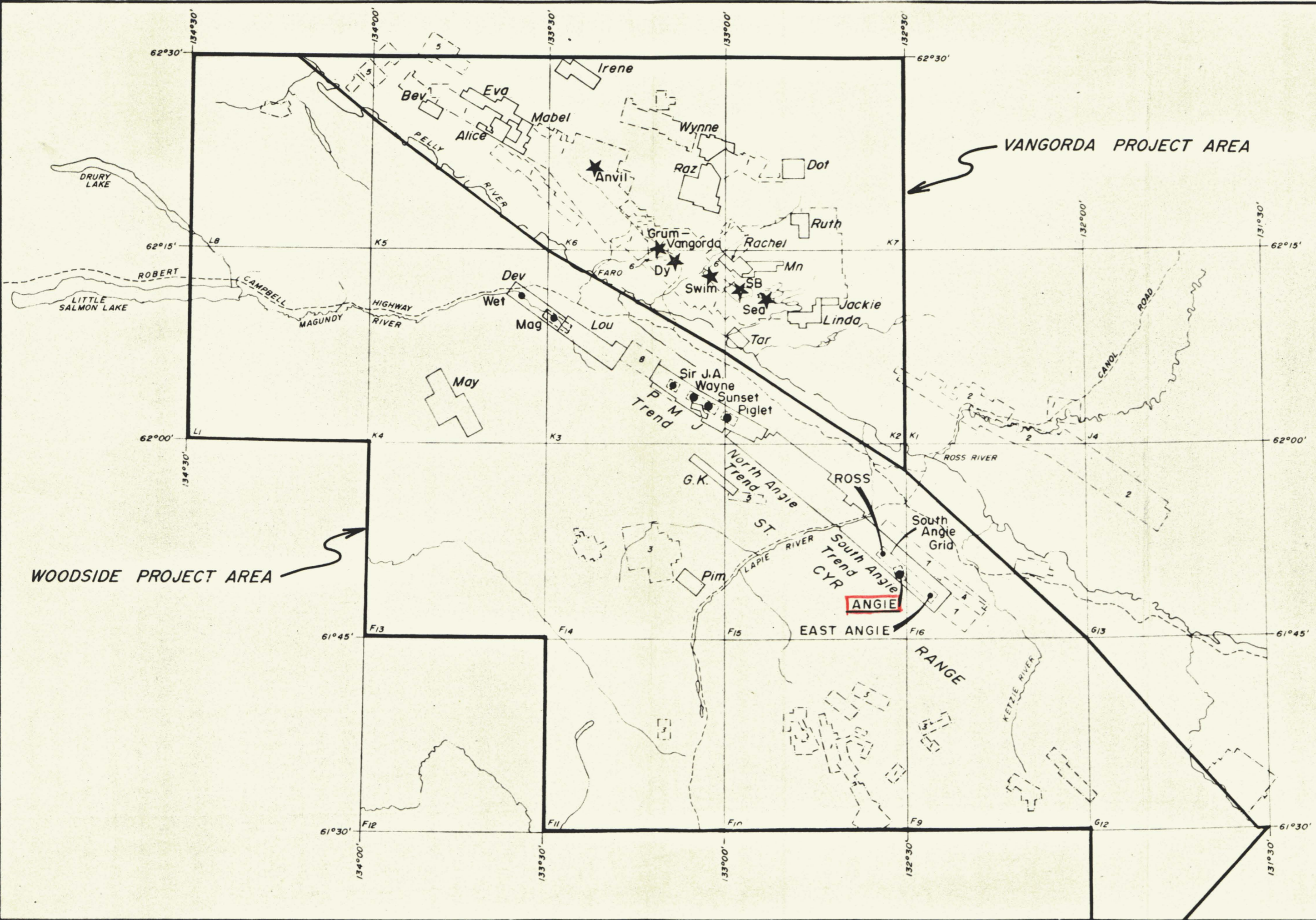
LOGGED BY R.T. Holland

DATE June 20, 1979

From	To	Rcvy %	Description	Sample				Assays				Visual Log
				From	To	Width	No.	Zn	Ag			
140.6	143.0	70	shaly siltstone - non-calcareous, strongly fissile, finely interlaminated (1mm-3mm) grey siltstone, dark grey shaly siltstone and black shale, phyllitic finely crenulated parting, quartz-carbonate-minor ankerite sweats common, generally 2-5 cm thick 142.5-143.0 - laminae thicken to 1-6 mm layering - planar at 50° grading to 70° at 142.5, decrease to 40° at 143.0									
143.0	179.0	90	phyllitic limestone - similar to 29.8-69.3, strongly fissile, fine to thin laminated, shaly phase occurs as fine chloritic phyllitic partings white quartz-carbonate-minor ankerite sweats and veinlets common and locally up to 25 cm thick, gentle open folding common layering at 0-65° (occasionally to 80°) to 155.0 feet; generally wavy and folded at 0-35° (occasionally to 50°) to 179.0 (drill down dip) gentle, open folds (see visual log)	140.0	150.0	10		65	0.6			
				150.0	160.0	10		65	0.3			
				160.0	170.0	10		130	0.3			
				170.0	180.0	10		128	0.3			
179.0	184.5	75	shaly siltstone - fine to thin interlaminated (<1mm-5mm) calcareous grey siltstone weak to moderately calcareous dark grey shaly siltstone and silty shale, and non-calcareous black chloritic shale; silt-rich phases generally more abundant, chloritic cross cleavage developed in shaly phases, quartz-carbonate-ankerite sweats locally common 179.0-180.0 - silty shale-rich section with faint laminations, greenish color 182.0-183.0 - silty shale, faint fine lamina, dark grey to black layering at 35° to 180.0 feet; at 70-80° to 182.5; at 20-40° to 184.5; generally wavy with minor folds, weakly disrupted cleavage at 0-20°	180.0	190.0	10		110	0.4			

PROPERTY ANGIEHOLE NO. 79A-2LOGGED BY R.T. HollandDATE June 21, 1979

From	To	Rcvy %	Description	Sample				Assays				Visual-Log	
				From	To	Width	No.	Zn	Ag				
184.5	186.0	90	phyllitic limestone - similar to 143.0-179:0 layering at 10-20°										
186.0	199.0	75	phyllitic siltstone - grey weakly to non-calcareous siltstone with abundant fine close-spaced dark grey to black phyllitic (chloritic) shale laminae and partings (<1mm-2mm), strongly fissile with abundant white quartz-carbonate sweats, veinlets and stringers; similar to 143.0-179.0 in appearance; locally contains sections similar in appearance to 179.0-189.5; minor disseminated pyrite increasing with depth 193.0-199.0 - broken - coarse grained disseminated pyrite common, locally to 2% layering at 30° grading to 60° at 188.0; grades to 0° at 190.0; at 0-10° to 199.0	190.0	200.0	10		1300	0.4				
199.0	219.5	40	silty shale - dark grey to black, faint to indistinctly laminated, non-calcareous, weakly phyllitic with locally well developed cross cleavage, weak to strongly graphitic and sooty, minor silty laminae 199.0-208.0 - very broken, recovery 15%, abundant quartz-ankerite sweats layering at 9-35° to 216.0; at 70-80° to 219.5 cleavage at 20-35° where observed (208.0-216.0)	200.0	210.0	10		150	0.6				
				210.0	220.0	10		143	0.5				
219.5	275.0	85	phyllitic shale - lustrous black, strongly fissile, non-calcareous, minor fine silty laminae, locally abundant, cross cleavage well developed resulting in fine crenulated parting surfaces; locally laminae are crenulated on scale of 1-3mm, generally weakly to strongly spalled with rusty to dark grey rounded porphyroblasts, 1-4mm in size; pyrite abundant as thin massive to disseminated silty laminae (1-4mm, occasionally up to 3cm) as coarse disseminations	220.0	230.0	10		112	0.4				
				230.0	240.0	10		145	0.4				
				240.0	250.0	10		205	0.6				
				250.0	260.0	10		170	0.6				
				260.0	270.0	10		175	1.4				
				270.0	280.0	10		180	0.4				



LEGEND

- Massive Sulphide Deposit ★
- Mineral Occurrence ●
- River, Creek ———
- Highway - - - - -
- Claims:
- Getty Mining Pacific -
Welcome North Mines []
- Cyprus Anvil Mining [1]
- Du Pont of Canada [2]
- Utah Mines [3]
- Cominco [4]
- Amex Potash [5]
- Kerr Addison Mines [6]
- St. Joseph Exploration [7]
- Brendex Resources [8]
- Misc Other []

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WELCOME NORTH MINES LTD.

GETTY MINING PACIFIC LTD.

PROJECT AREA & PROPERTY LOCATIONS

Scale 1" = 8 miles Date Feb. 1978 NTS 105
 Revised Oct. 1978 By Fig

