

X39545-

ASSESSMENT WORK

DIAMOND DRILLING GEOLOGICAL LOGS & SECTIONS

CAD 24-110 (Y39513-Y39599)

CAD 111-154 (Y45738-Y45781)

GEM 1-2 & 10 (Y44238-Y44239 & Y44247)

QUARTZ MINERAL CLAIMS

WHITEHORSE MINING DIVISION, YUKON TERRITORY

LATITUDE 61° 30' N

LONGITUDE 137° 30' W

SHEETS 115-H-12 & 115-H-5

DRILLING JANUARY 25 TO FEBRUARY 15th, 1970

BY
R.G. HILKER, P.ENG.
WHITEHORSE, YUKON TERRITORY
NOVEMBER 5, 1970

YREKA MINES LTD.

Contents:

Diamond Drill Hole Location Plan, scale 1" = 400 ft.

Diamond Drill Hole Sections, scale 1" = 40 ft.

DDH Section 24+00E

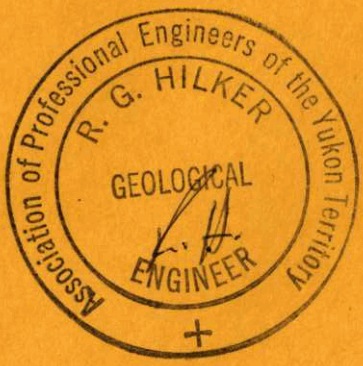
DDH Section 28+00E

DDH Section 36+00E

DDH Section 1+50E

Diamond Drill Core Geological Log

Hole No. Y-1, Y-2a, Y-3, Y-5, Y-9.



090944

090944

Yreka - Sakulmun Lake
Diamond Drill Program
January 25th - April 15th, 1970

<u>Hole No.</u>	<u>Section</u>	<u>Co-ordinate</u>	<u>Dip</u>	<u>Length Ft.</u>
Y-1	1+45E	0+45S	90°	395
Y-2	24+00E	4+50N	60°S	107
Y-2a	24+00E	4+55N	60°S	400
Y-3	1+80E	1+00N	90°	400
Y-4	4+50E	4+00S	60°SW	63
Y-5	36+00E	14+75S	60°W	300
Y-6	28+00E	4+00N	60°S	303
Y-9	36+00E	3+25N	60°S	300

* * * * *

R.G. MILKER
CONSULTING GEOLOGIST
WHITEHORSE YUKON TERRITORY

PROPERTY YREKA - SEKULMUN LAKE
 Date JAN 24-27 19 70
 Logged By G. S. ZIMMER

Claim No. _____
 Section No. _____
 Plan No. _____

Strike —
 Dip -90°
 Level _____

Lat. _____
 Dep. _____
 Elev. _____

Hole No. Y-1
 Total Depth 395 FEET
 Page No. 1 OF 13

FOOTAGE		ROCK CLASSIFICATION EPID. DIOP. GARN. SERP. QTZ/SIL. ACTINO. TREMO. CHLO. CRYSTALLINE. SHEARING. VEINS. FRACTURING. FOLIATION. GRAIN SIZE, TEXTURE	MINERALIZATION		ASSAY DATA							
From	To		TYPE	%	SAMPLE NO.	WIDTH	RECOV.	%CU	%FE	MOLY	AU/AG	INSOL.
0	94.6	QUARTZITE										
		0-8.0 HIGHLY BROKEN; MED GREY				8.0	0.6					
		8.0-10.0 MED. GREY; MASSIVE; SLIGHTLY BROKEN				2.0	2.0					
		10.0-15.0 DIRTY GREY; MODERATELY BANDED; BEDDING/BANDING AT 85° TO CORE AXIS	SPHALERITE	5%	3951	5.0	4.5					
			PYRITE	5%								
		15.0-20.0 DIRTY GREY; PRONOUNCED BANDING AT 80°-85° TO CORE AXIS; SULFIDES (SPHALERITE) BANDED PARALLEL TO BEDDING	SPHALERITE	5-10%	3952	5.0	5.0					
			PYRITE	5%								
		20.0-25.0 AS ABOVE; IRREGULAR ELONGATED INCLUSIONS OF PYRITE WITH RANDOM ORIENTATIONS.	SPHALERITE	10%	3953	5.0	5.0					
			PYRITE	10%								
		25.0-30.0 AS ABOVE; HEAVY CONCENTRATION OF SPHALERITE, PYRITE & BORNITE(?) FROM 29.0-30.0	SPHALERITE	10%	3954	5.0	5.0					
			PYRITE	10%								
		30.0-35.0 AS ABOVE FROM 30.0 TO 33.0; MINERALIZATION AND BANDING DECREASES FROM 33.0; MASSIVE GREY QTZITE AT 35.0	SPHALERITE	5%	3955	5.0	5.0					
			PYRITE	5%								

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PROPERTY _____	Claim No. _____	Strike _____	Lat. _____	Hole No. <u>4-1</u>
Date _____ 19 _____	Section No. _____	Dip _____	Dep. _____	Total Depth <u>395'</u>
Logged By <u>CSJ</u>	Plan No. _____	Level _____	Elev. _____	Page No. <u>2 OF 13</u>

FOOTAGE		ROCK CLASSIFICATION	MINERALIZATION		ASSAY DATA							
From	To	EPID. DIOP. GARN. SERP. QTZ/SIL. ACTINO. TREMO. CHLO. CRYSTALLINE. SHEARING. VEINS. FRACTURING. FOLIATION. GRAIN SIZE, TEXTURE	TYPE	%	SAMPLE NO.	WIDTH	RECOV.	%CU	%FE	MG/LY	AU/AG	INSO
		QUARTZITE (CONTINUED)										
	35.0-40.0	DIRTY GREY; BANDED WITH SMALL ZONES OF PALE GREY; SULFIDES IN BANDED SECTIONS	SPHALERITE	5%	3956	5.0	4.2					
	40.0-45.0	BANDED & MINERALIZED TO 42.7; MASSIVE PALE GREY FROM 42.7 TO 45.0	SPHALERITE	5%	3957	5.0	5.0					
	45.0-50.0	MASSIVE PALE GREY TO 48.0; SERPENTINIZED WITH MINOR SULFIDES FROM 48.0 TO 50.0; SLICKENSIDED FRACTURES AT 15° TO CORE AXIS	SPHALERITE	TR	3958	5.0	4.8					
	50.0-55.0	SERPENTINIZED FROM 50.0 TO 52.0; BANDED AND SLIGHTLY MINERALIZED FROM 52.0 TO 55.0	SPHALERITE	5%	3959	5.0	4.7					
	55.0-60.6	PALE GREY; MASSIVE TO SLIGHTLY BANDED; HIGHLY BROKEN FROM 60.0 TO 60.5; NO VISIBLE SULFIDES				5.5	5.0					
	60.5-66.6	STRONGLY BANDED; DARK GREY; HIGHLY BROKEN FROM 60.5 TO 64.0				5.1	5.1					
	66.6-90.0	MASSIVE; MED. GREY; SLIGHTLY BANDED; BEDDING AT 75° TO CORE AXIS; HIGHLY BROKEN OVER SHORT SECTIONS				23.4	18.0					

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WHITEHORSE YUKON TERRITORY

PROPERTY _____	Claim No. _____	Strike _____	Lot. _____	Hole No. <u>Y-1</u>
Date _____ 19 _____	Section No. _____	Dip _____	Dep. _____	Total Depth <u>395'</u>
Logged By _____	Plan No. _____	Level _____	Elev. _____	Page No. <u>6 of 13</u>

FOOTAGE		ROCK CLASSIFICATION <small>EPID. DIOP. GARN. SERP. QTZ/SIL. ACTINO. TREMO. CHLO. CRYSTALLINE. SHEARING. VEINS. FRACTURING. FOLIATION. GRAIN SIZE. TEXTURE</small>	MINERALIZATION		ASSAY DATA							
From	To		TYPE	%	SAMPLE NO.	WIDTH	RECOV.	%CU	%FE	MOLY	AU/AG	INSO
		QUARTZITE (CONTINUED)										
		215.0 - 220.0 AS ABOVE; SULFIDE CONTENT DECREASING FROM THROUGHOUT SECTION; MINOR MALACHITE STAINING	SPHALERITE	to 20%	3977	5.0	5.0					
		220.0 - 225.0 MASSIVE; PALE GREY TO 222.5	SPHALERITE	5%	3978	5.0	5.0					
222.5	235.0	PEBBLE CONGLOMERATE										
		222.5 - 225.0 GREY MATRIX WITH LIGHT PEBBLES; OCCASIONAL DARK QUARTZ PEBBLES; MAX DIAMETER PEBBLES IS 1/2"			SEE SAMPLE 3978							
		225.0 - 230.0 AS ABOVE			3979	5.0	5.0					
		230.0 - 235.0 AS ABOVE			3980	5.0	5.0					
235.0	310.0	QUARTZITE										
		235.0 - 240.0 MED. GREY; SLIGHTLY THIN BEDDED AND BANDED WITH SPHALERITE	SPHALERITE		3981	5.0	5.0					

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PROPERTY _____	Claim No. _____	Strike _____	Lat. _____	Hole No. <u>V-1</u>
Date _____ 19 _____	Section No. _____	Dip _____	Dep. _____	Total Depth <u>395'</u>
Logged By _____	Plan No. _____	Level _____	Elev. _____	Page No. <u>9 OF 13</u>

FOOTAGE		ROCK CLASSIFICATION <small>EPID. DIOP. GARN. SERP. QTZ/SIL. ACTINO. TREMO. CHLO. CRYSTALLINE. SHEARING. VEINS. FRACTURING. FOLIATION. GRAIN SIZE. TEXTURE</small>	MINERALIZATION		ASSAY DATA							
From	To		TYPE	%	SAMPLE NO.	WIDTH	RECOV.	%CU	%FE	MOLY	AU/AG	INS
		QUARTZITE (CONTINUED)										
		280.0 - 285.0 QTZITE MASSIVE TO Banded from 280.0 - 280.7; MARBLE FROM 280.7 - 282.1; SKARN CARRYING MASSIVE SPHALERITE, SOME PYRITE AND CHALCOPYRITE FROM 282.1 - 282.6; QTZITE FROM 282.6 - 283.2; MARBLE 283.2 - 283.9; SKARN CARRYING HEAVY SPHALERITE, SOME CHALCOPYRITE AND PYRITE AND MAGNETITE, FROM 283.9 - 285.0	SPHALERITE	to 20%	3990	5.0	5.0					
			CHALCOPYRITE	5%								
			PYRITE	5%								
			MAGNETITE	TR								
		285.0 - 290.0 MED. GREY; MASSIVE TO SLIGHTLY Banded; HIGH GRADE SPHALERITE FROM 287.5 - 287.7	SPHALERITE	<5%	3991	5.0	5.0					
			PYRITE	<5%								
		290.0 - 295.0 MED. GREY; MASSIVE TO SLIGHTLY Banded; FAINT MALACHITE STAINING OVER SHORT SECTIONS	SPHALERITE	Tr	3992	5.0	5.0					
			PYRITE	Tr								
			MALACHITE	Tr								
		295.0 - 300.0 MED. GREY; MODERATELY Banded FROM 295.0 - 298.6; HIGHLY BROKEN AND ALTERED FROM 298.6 - 300.0	SPHALERITE	Tr	3993	5.0	5.0					
		300.0 - 305.0 HIGHLY BROKEN AND ALTERED FROM 300.0 - 302.0; MED. GREY THINBEDDED FROM 302.0 - 305.0; BEDDING AT 75° TO CORE AXIS; MALACHITE / ANNABERGITE STAINING OVER SHORT SECTIONS	STAINING	-	3994	5.0	5.0					

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PROPERTY _____	Claim No. _____	Strike _____	Lat. _____	Hole No. <u>Y-1</u>
Date _____ 19 _____	Section No. _____	Dip _____	Dep. _____	Total Depth <u>395'</u>
Logged By <u>RM</u>	Plan No. _____	Level _____	Elev. _____	Page No. <u>10 OF 13</u>

FOOTAGE		ROCK CLASSIFICATION EPID. DIOP. GARN. SERP. QTZ/SIL. ACTINO. TREMO. CHLO. CRYSTALLINE. SHEARING. VEINS. FRACTURING. FOLIATION. GRAIN SIZE, TEXTURE	MINERALIZATION		ASSAY DATA							
From	To		TYPE	%	SAMPLE NO.	WIDTH	RECOV.	%CU	%FE	MOLY	AU/AG	INSO
		QUARTZITE (CONTINUED)										
		305.0 - 310.0 AS ABOVE	STAINING	—	3995	5.0	5.0					
310.0	317.5	PEBBLY QUARTZITE										
		310.0 - 315.0 MASSIVE; PALE GREY TO TAN; CONTAINS SMALL (TO 1/4" DIA.) QUARTZ PEBBLES; PARTIALLY LEACHED	—	—	—	5.0	4.7					
		315.0 - 320.0 AS ABOVE FROM 315.0 - 317.5; FAULT ZONE OF CRUSHED PEBBLY QTZTE FROM 317.5 - 319.0; MED GREY THINBEDDED QTZTE WITH MINOR MALACHITE STAINING FROM 319.3 - 320.0	STAINING	—	3996	5.0	4.6					
317.5	395.0	QUARTZITE										
		320.0 - 325.0 MED. TO DARK GREY; THINBEDDED; HIGHLY BROKEN WITH MALACHITE ON FRACTURES	STAINING	—	3997	5.0	4.0					
		325.0 - 330.0 DARK GREY; THINBEDDED; BEDDING AT 90° TO CORE AXIS; FAINT MALACHITE STAINING OVER SHORT SECTIONS	STAINING	—	3998	5.0	5.0					
		330.0 - 335.0 AS ABOVE	STAINING	—	3999	5.0	5.0					

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PROPERTY _____	Claim No. _____	Strike _____	Lat. _____	Hole No. <u>V-1</u>
Date _____ 19 _____	Section No. _____	Dip _____	Dep. _____	Total Depth <u>395'</u>
Logged By <u>CSJ</u>	Plan No. _____	Level _____	Elev. _____	Page No. <u>11 of 13</u>

FOOTAGE		ROCK CLASSIFICATION EPID. DIOP. GARN. SERP. QTZ/SIL. ACTINO. TREMO. CHLO. CRYSTALLINE. SHEARING. VEINS. FRACTURING. FOLIATION. GRAIN SIZE, TEXTURE	MINERALIZATION		ASSAY DATA							
From	To		TYPE	%	SAMPLE NO.	WIDTH	RECOV.	%CU	%FE	MOLY	AU/AG	INS.
		<u>QUARTZITE (CONTINUED)</u>										
		<u>335.0 - 340.0 AS ABOVE</u>	<u>STAINING</u>	<u>-</u>	<u>4000</u>	<u>5.0</u>	<u>5.0</u>					
		<u>340.0 - 345.0 AS ABOVE; BEDDING AT 70° TO CORE AXIS</u>	<u>STAINING</u>	<u>-</u>	<u>4001</u>	<u>5.0</u>	<u>5.0</u>					
		<u>345.0 - 350.0 AS ABOVE</u>	<u>STAINING</u>	<u>-</u>	<u>4002</u>	<u>5.0</u>	<u>5.0</u>					
		<u>350.0 - 355.0 AS ABOVE FROM 350.0 - 351.8; MARBLE FROM 351.8 - 352.2; THINBEDDED QTZITE FROM 352.2 - 355.0; MALACHITE STAINING AND MINOR SPHALERITE OVER SHORT SECTIONS</u>	<u>STAINING</u>	<u>-</u>	<u>4003</u>	<u>5.0</u>	<u>5.0</u>					
		<u>355.0 - 360.0 MASSIVE PALE GREY FROM 355.0 - 356.9; THINBEDDED DARK GREY FROM 356.9 - 358.1; MARBLE FROM 356.0 - 356.9; MASSIVE MED. GREY FROM 358.1 - 360.0</u>	<u>STAINING</u>	<u>-</u>	<u>4004</u>	<u>5.0</u>	<u>5.0</u>					
		<u>360.0 - 365.0 MED. GREY; MASSIVE TO SLIGHTLY BANDED; MALACHITE/ANNABERGITE STAINING FAINTLY THROUGHOUT</u>	<u>STAINING</u>	<u>-</u>	<u>4005</u>	<u>5.0</u>	<u>5.0</u>					
		<u>365.0 - 370.0 AS ABOVE</u>	<u>STAINING</u>	<u>-</u>	<u>4006</u>	<u>5.0</u>	<u>5.0</u>					
		<u>370.0 - 375.0 AS ABOVE</u>	<u>STAINING</u>	<u>-</u>	<u>4007</u>	<u>5.0</u>	<u>5.0</u>					

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WHITEHORSE YUKON TERRITORY**

PROPERTY _____	Claim No. _____	Strike _____	Lat. _____	Hole No. <u>Y-1</u>
Date _____ 19____	Section No. _____	Dip _____	Dep. _____	Total Depth <u>395'</u>
Logged By <u>[Signature]</u>	Plan No. _____	Level _____	Elev. _____	Page No. <u>13 OF 13</u>

FOOTAGE		ROCK CLASSIFICATION <small>EPID. DIOP. GARN. SERP. QTZ/SIL. ACTINO. TREMO. CHLO. CRYSTALLINE. SHEARING. VEINS. FRACTURING. FOLIATION. GRAIN SIZE. TEXTURE</small>	MINERALIZATION		ASSAY DATA							
From	To		TYPE	%	SAMPLE NO.	WIDTH	RECOV.	%CU	%FE	MOLY	AU/AG	INSOL
		HOLE SUMMARY										
		CORE RECOVERY: <u>377.7' CORE RECOVERED</u>										
		<u>395 FEET DRILLED</u>										
		<u>= 0.956 = 95.6% RECOVERY</u>										
		DIP TESTING:										
		COLLAR = -90° (BRUNTON)										
		-100' = -86° (ACID)										
		-200' = -89° (ACID)										
		-300' = -89° (ACID)										
		-390' = -90° (ACID)										
		PENETRATION RATES:										
		<u>112 MAN HRS DRILLING = 56 HRS DRILLING</u>										
		<u>2 MEN</u>										
		<u>395 FEET DRILLED = 7.05 FT/Hr DRILLED</u>										
		<u>56 hrs</u>										
		<u>56 HRS DRILLING = 7.0 SHIFTS DRILLING</u>										
		<u>8 HRS/SHIFT</u>										
		<u>395 FEET DRILLED</u>		<u>=</u>		<u>56.5 FEET/SHIFT</u>						
		<u>7.0 SHIFTS</u>		<u>=</u>								

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PROPERTY <u>YREKA - SEKUMUN LAKE</u>	Claim No. _____	Strike _____	Lot. _____	Hole No. <u>Y-22</u>
Date <u>FEB 2-5</u> 19 <u>70</u>	Section No. _____	Dip <u>-60°S</u>	Dep. _____	Total Depth <u>400'</u>
Logged By <u>G.S. ZIMMER (FEB. 6 & 7, 1970)</u>	Plan No. _____	Level _____	Elev. _____	Page No. <u>1 OF 7</u>

FOOTAGE		ROCK CLASSIFICATION <small>EPID. DIOP. GARN. SERP. QTZ/SIL. ACTINO. TREMO. CHLO. CRYSTALLINE. SHEARING. VEINS. FRACTURING. FOLIATION. GRAIN SIZE, TEXTURE</small>	MINERALIZATION		ASSAY DATA							
From	To		TYPE	%	SAMPLE NO.	WIDTH	RECOV.	%CU	%FE	MOLY	AU/AG	INSOL
<u>0</u>	<u>16.0</u>	<u>OVERBURDEN</u> <u>PREDOMINANTLY MARBLE WITH</u> <u>QUARTZITE AND GRAPHITIC SCHIST</u>			<u>-</u>	<u>16.0</u>	<u>0.8</u>					
<u>16.0</u>	<u>23.0</u>	<u>MARBLE</u> <u>WHITE WITH NARROW (to 1/2") PALE</u> <u>GREY BANDS PARALLEL TO BEDDING;</u> <u>BEDDING AT 60° TO CORE AXIS</u>			<u>-</u>	<u>7.0</u>	<u>6.2</u>					
<u>23.0</u>	<u>70.1</u>	<u>QUARTZITE</u> <u>GENERALLY MED. GREY MASSIVE WITH</u> <u>OCCASIONAL THIN-BEDDED SECTIONS;</u> <u>BEDDING VARIABLE AT 45-60° TO</u> <u>CORE AXIS; CONSIDERABLE SERICITE</u> <u>ON BEDDING PLANES</u>			<u>-</u>	<u>40.1</u>	<u>45.7</u>					
<u>70.1</u>	<u>88.5</u>	<u>GRAPHITE SCHIST</u>				<u>13.6</u>						
		<u>70.1-86.5 HIGHLY CONTORTED; OCCASIONAL</u> <u>SEMI-BRECCIA ('CRUSHED' FOLDS)</u> <u>SECTIONS; NUMEROUS SMALL</u> <u>RANDOM CARBONATE STRINGERS</u>			<u>-</u>	<u>12.0</u>						

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WHITEHORSE YUKON TERRITORY

PROPERTY _____	Claim No. _____	Strike _____	Lot. _____	Hole No. <u>Y-2a</u>
Date _____ 19 _____	Section No. _____	Dip _____	Dep. _____	Total Depth <u>400'</u>
Logged By <u>GH</u>	Plan No. _____	Level _____	Elev. _____	Page No. <u>3 of 7</u>

FOOTAGE		ROCK CLASSIFICATION	MINERALIZATION		ASSAY DATA							
From	To	<small>EPID. DIOP. GARN. SERP. QTZ/SIL. ACTINO. TREMO. CHLO. CRYSTALLINE. SHEARING. VEINS. FRACTURING. FOLIATION. GRAIN SIZE. TEXTURE</small>	TYPE	%	SAMPLE NO.	WIDTH	RECOV.	%Cu	%Fe	MOLY	AU/AG	INSO
		GRAPHITE SCHIST (CONTINUED) SCHISTOSITY / BEDDING (CONTINUED) 155' = 75° TO CORE AXIS 165' = 30° TO CORE AXIS										
<u>165.2</u>	<u>192.3</u>	MARBLE DIRTY PALE GREY CONTAINING MINOR SECTIONS OF HIGHLY CONTORTED GRAPHITE SCHIST; OCCASIONAL FAINTLY SKARNY PATCHES; BEDDING AT 80-85° TO CORE AXIS			-	27.1	26.8					
<u>192.3</u>	<u>196.3</u>	PYRRHOTITE MASSIVE PYRRHOTITE WITH OCCASIONAL SECTIONS OF MARBLE	PYRRHOTITE	75%	0502	4.0	4.0					
<u>196.3</u>	<u>250.9</u>	MARBLE DIRTY PALE GREY; BEDDING AT 80-90° TO CORE AXIS				54.6	53.2					

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WHITEHORSE YUKON TERRITORY

PROPERTY _____	Claim No. _____	Strike _____	Lot. _____	Hole No. <u>Y-2a</u>
Date _____ 19 _____	Section No. _____	Dip _____	Dep. _____	Total Depth <u>400'</u>
Logged By <u>ESJ</u>	Plan No. _____	Level _____	Elev. _____	Page No. <u>4 of 7</u>

FOOTAGE		ROCK CLASSIFICATION EPID. DIOP. GARN. SERP. QTZ/SIL. ACTINO. TREMO. CHLO. CRYSTALLINE. SHEARING. VEINS. FRACTURING. FOLIATION. GRAIN SIZE, TEXTURE	MINERALIZATION		ASSAY DATA							
From	To		TYPE	%	SAMPLE NO.	WIDTH	RECOV.	%CU	%FE	MOLY	AU/AG	INSO
250.9	277.8	QUARTZITE										
		250.9 - 255.0 MED. GREY WITH BROWN BANDS CARRYING SPHALERITE; FAINT MALACHITE / ANNABERGITE STAINING	SPHALERITE	10-15%	0503	4.1	4.0					
		255.0 - 260.0 AS ABOVE	SPHALERITE	10-5%	0504	5.0	5.0					
			PYRITE	Tr								
			PYRRHOTITE	Tr								
		260.0 - 265.0 AS ABOVE	SPHALERITE	7-5%	0505	5.0	5.0					
		265.0 - 270.0 AS ABOVE	SPHALERITE	7-5%	0506	5.0	5.0					
		270.0 - 275.0 AS ABOVE	SPHALERITE	5%	0507	5.0	5.0					
		275.0 - 277.8 AS ABOVE	SPHALERITE	7-5%	0508	2.8	2.8					
277.8	300.2	MARBLE DIRTY GREY; MASSIVE; VARIES BETWEEN FINELY & COARSELY CRYSTALLINE; BEDDING AT 80-90° TO CORE AXIS					22.4	22.4				

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WHITEHORSE YUKON TERRITORY**

PROPERTY _____	Claim No. _____	Strike _____	Lat. _____	Hole No. <u>Y-22</u>
Date _____ 19 _____	Section No. _____	Dip _____	Dep. _____	Total Depth <u>400'</u>
Logged By <u>BSJ</u>	Plan No. _____	Level _____	Elev. _____	Page No. <u>7 of 7</u>

FOOTAGE		ROCK CLASSIFICATION EPID. DIOP. GARN. SERP. QTZ/SIL. ACTINO. TREMO. CHLO. CRYSTALLINE. SHEARING. VEINS. FRACTURING. FOLIATION. GRAIN SIZE, TEXTURE	MINERALIZATION		ASSAY DATA									
From	To		TYPE	%	SAMPLE NO.	WIDTH	RECOV.	%CU	%FE	MOLY	AU/AG	INSOL		
		HOLE SUMMARY:												
		CORE RECOVERY: 374.5 FEET RECOVERED = 374.5'												
		400.0 FEET DRILLED			400.0'									
		= 0.937 = 93.7% RECOVERY												
		DIP TESTS:												
		COLLAR = 58.5°												
		100' = — (DRILLER LOST TEST TUBIE)												
		200' =												
		300' =												
		400' =												
		PENETRATION RATE:												
		118 MAN HRS DRILLING = 59 HRS DRILLING;			400' DRILLED = 6.9 FEET									
		2 MEN			59 HRS		1HR DRILLING							
		59 HRS DRILLING = 7.4 SHIFTS DRILLING;			400' DRILLED = 54.1 FEET									
		8 HRS / SHIFT			7.4 SHIFTS		SHIFT DRILLED							

R.G. HILKER
CONSULTING GEOLOGIST
WHITEHORSE YUKON TERRITORY

PROPERTY _____	Claim No. _____	Strike _____	Lat. _____	Hole No. _____
Date _____ 19 _____	Section No. _____	Dip _____	Dep. _____	Total Depth _____
Logged By _____	Plan No. _____	Level _____	Elev. _____	Page No. 4 of 11

FOOTAGE		ROCK CLASSIFICATION EPID. DIOP. GARN. SERP. QTZ/SIL. ACTINO. TREMO. CHLO. CRYSTALLINE. SHEARING. VEINS. FRACTURING. FOLIATION. GRAIN SIZE. TEXTURE	MINERALIZATION		ASSAY DATA							
From	To		TYPE	%	SAMPLE NO.	WIDTH	RECOV.	%Cu	%Zn	MOLY	AU/AG	INSOL.
163.5	253.1	QUARTZITE										
		165.0 - 170.0 Massive; medium grey; occasionally slightly banded; minor sphalerite in banding; faint malachite staining over short sections.	sphalerite staining	Tr -	4020	5.0	4.8	.04	.03			
		170.0 - 175.0 As above	sphalerite staining	Tr -	4021	5.0	5.0	.05	.02			
		175.0 - 180.0 As above; more banding with associated sphalerite.	sphalerite staining	to 5% -	4022	5.0	5.0	.03	.01			
		180.0 - 185.0 As above	sphalerite staining	to 5% -	4023	5.0	5.0	.04	.01			
		185.0 - 190.0 As above; mineralization sharply decreases from 188.0 - 190.0	sphalerite staining	5% Tr -	4024	5.0	4.7	.05	.06			
		190.0 - 195.0 Medium grey; massive to faintly banded; highly broken	sphalerite staining	Tr 5% -	4025	5.0	4.4	.03	.01			
		195.0 - 200.0 As above; occasional zones of banding carrying minor sphalerite	sphalerite staining	to 5% -	4026	5.0	4.6	.05	.03			
		200.0 - 205.0 Dark grey; shattered and fractured; filled with calcite from 200.0 - 203.0; medium to dark grey & banded with sphalerite in bands from 203.0 - 205.0.	sphalerite staining	to 5% Tr	4027	5.0	4.7	.02	.18			

R.G. HILKER
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WHITEHORSE YUKON TERRITORY

PROPERTY _____	Claim No. _____	Strike _____	Lat. _____	Hole No. _____
Date _____ 19 _____	Section No. _____	Dip _____	Dep. _____	Total Depth _____
Logged By _____	Plan No. _____	Level _____	Elev. _____	Page No. 5 of 11

FOOTAGE		ROCK CLASSIFICATION EPID. DIOP. GARN. SERP. QTZ/SIL. ACTINO. TREMO. CHLO. CRYSTALLINE. SHEARING. VEINS. FRACTURING. FOLIATION. GRAIN SIZE. TEXTURE	MINERALIZATION		ASSAY DATA							
From	To		TYPE	%	SAMPLE NO.	WIDTH	RECOV.	%Cu	%Fe Zn	MOLY	AU/AG	INSOL
		QUARTZITE (continued)										
	205.0 - 210.0	Dark grey; highly broken; occasional short banded sections containing sphalerite	sphalerite pyrite	to 5% Tr	4028	5.0	4.9	.04	.02			
	210.0 - 215.0	Medium grey; moderately banded with bands carrying sphalerite	sphalerite pyrite	to 10% Tr	4029	5.0	4.9	.04	.02			
	215.0 - 220.0	As above; some malachite/epidote staining.	sphalerite staining pyrite	5% Tr Tr	4030	5.0	5.0	.04	.01			
	220.0 - 230.0	Massive; pale grey; faint banding at 70 - 80° to core axis; slightly skarny over short sections; no visible sulfides			-	10.0	10.0					
	230.0 - 235.0	Slightly banded; with associated sphalerite; banding increasing through section; banding at 80° to core axis, high grade section at 232.0 containing 40 - 50% sphalerite	sphalerite	20%	4031	5.0	5.0	.02	.01			
	235.0 - 240.0	Medium grey; slightly banded from 235.0 - 238.0; pale grey; slightly malachite/epidote stained from 238.0 - 240.0	sphalerite staining	to 5% -	4032	5.0	4.9	.02	.01			

**R.G. MILNER
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WHITEHORSE YUKON TERRITORY**

PROPERTY _____	Claim No. _____	Strike _____	Lot. _____	Hole No. _____
Date _____ 19 _____	Section No. _____	Dip _____	Dep. _____	Total Depth _____
Logged By _____	Plan No. _____	Level _____	Elev. _____	Page No. 6 of 11

FOOTAGE		ROCK CLASSIFICATION EPID. DIOP. GARN. SERP. QTZ/SIL. ACTINO. TREMO. CHLO. CRYSTALLINE. SHEARING. VEINS. FRACTURING. FOLIATION. GRAIN SIZE. TEXTURE	MINERALIZATION		ASSAY DATA							
From	To		TYPE	%	SAMPLE NO.	WIDTH	RECOV.	%Cu	%Zn	MOLY	AU/AG	INS.
		QUARTZITE (continued)										
		240.0 - 245.0 Pale grey; massive; slightly malachite/epidote stained throughout; slightly banded at end of section	sphalerite staining	5%	4033	5.0	5.0	.03	.05			
		245.0 - 250.0 Generally massive; but occasionally banded; high sphalerite in short banded sections; malachite/epidote staining throughout	sphalerite staining	to 20%	4034	5.0	5.0	.03	.03			
		250.0 - 255.0 Medium grey; slightly banded from 250.0 - 253.1; PEBBLE conglomerate from 253.1 - 254.2; pale grey; massive from 254.2 - 255.0	sphalerite staining	5%	4035	5.0	4.8	.02	.02			
253.1	254.2	PEBBLE CONGLOMERATE Uniform medium grey to grey brown matrix containing small (1/8" - 3/8") quartz pebbles; pebbles are both clear and milky; sulfides both in and surroundings pebbles (see above assay section)			-	-	-					

R.G. HILKER
CONSULTING GEOLOGIST
WHITEHORSE YUKON TERRITORY

PROPERTY _____	Claim No. _____	Strike _____	Lat. _____	Hole No. _____
Date _____ 19 _____	Section No. _____	Dip _____	Dep. _____	Total Depth _____
Logged By _____	Plan No. _____	Level _____	Elev. _____	Page No. 7 of 11

FOOTAGE		ROCK CLASSIFICATION EPID. DIOP. GARN. SERP. QTZ/SIL. ACTINO. TREMO. CHLO. CRYSTALLINE. SHEARING. VEINS. FRACTURING. FOLIATION. GRAIN SIZE. TEXTURE	MINERALIZATION		ASSAY DATA							
From	To		TYPE	%	SAMPLE NO.	WIDTH	RECOV.	%Cu	%Zn	MOLY	AU/AG	INS.
254.2	313.5	QUARTZITE										
		255.0 - 260.0 Medium grey; banded with bands containing sphalerite; banding at 85° to core axis; malachite/epidote staining throughout.	sphalerite	5%	4036	5.0	5.0	.03	.01			
		260.0 - 265.0 Medium grey; massive from 260.0 - 262.0; medium grey; tin-bedded from 262.0 - 265.0.	sphalerite	5%	4037	5.0	4.8	.04	.04			
		265.0 - 270.0 Medium to dark grey; thin-bedded; bedding at 80° to core axis; pyrrhotite (magnetic) in short sections; faint malachite/epidote staining throughout.	sphalerite	5%	4038	5.0	4.7	.03	.01			
		270.0 - 275.0 Medium to dark grey thin-bedded from 270.0 - 272.0; banded containing sphalerite from 272.0 - 275.0; faint malachite/epidote staining throughout.	sphalerite	to 10%	4039	5.0	4.9	.03	.02			
		275.0 - 280.0 Medium to pale grey with brown banding; sphalerite in banding; faint malachite/epidote staining throughout	sphalerite	5%	4040	5.0	5.0	.02	.01			
		280.0 - 285.0 As above	sphalerite	to 5%	4041	5.0	5.0	.03	.02			
		285.0 - 290.0 As above	sphalerite	to 20%	4042	5.0	5.0	.03	.02			

R.G. HILKER
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WHITEHORSE YUKON TERRITORY

PROPERTY <u>YREKA - SEKUMUH LAKE</u>	Claim No. _____	Strike _____	Lot. _____	Hole No. <u>Y-5</u>
Date <u>FEB 3-10</u> 19 <u>70</u>	Section No. <u>36+00E</u>	Dip <u>-60° N</u>	Dep. _____	Total Depth <u>300'</u>
Logged By <u>G.S. ZIMMER</u>	Plan No. _____	Level _____	Elev. <u>3605'</u>	Page No. <u>1 of 5</u>

FOOTAGE		ROCK CLASSIFICATION <small>EPID. DIOP. GARN. SERP. QTZ/SIL. ACTINO. TREMO. CHLO. CRYSTALLINE. SHEARING. VEINS. FRACTURING. FOLIATION. GRAIN SIZE. TEXTURE</small>	MINERALIZATION		ASSAY DATA							
From	To		TYPE	%	SAMPLE NO.	WIDTH	RECOV.	%CU	%FE	MOLY	AU/AG	INS.
0	18.0	OVERBURDEN PREDOMINANTLY DARK GREY THIN-BEDDED QUARTZITE				18.0	1.2					
18.0	47.0	QUARTZITE DARK GREY; THIN-BEDDED; BEDDING AT 30-40° TO CORE AXIS				29.0	15.7					
47.0	47.8	MARBLE DIRTY LIGHT GREY; PARTIALLY DECOMPOSED				0.8	0.8					
47.8	73.6	QUARTZITE DARK GREY; SLIGHTLY THIN-BEDDED; BEDDING AT 25-30° TO CORE AXIS				25.8	25.6					
73.6	78.8	MARBLE MASSIVE; PALE DIRTY GREY				5.2	5.2					
78.8	91.5	QUARTZITE PALE GREY; MASSIVE; BEDDING AT 45-60° TO CORE AXIS				12.7	12.7					

R.G. HILKER
CONSULTING GEOLOGIST
WHITEHORSE YUKON TERRITORY

PROPERTY _____	Claim No. _____	Strike _____	Lat. _____	Hole No. <u>Y-5</u>
Date _____ 19 _____	Section No. _____	Dip _____	Dep. _____	Total Depth <u>300'</u>
Logged By <u>CSJ</u>	Plan No. _____	Level _____	Elev. _____	Page No. <u>2 of 5</u>

FOOTAGE		ROCK CLASSIFICATION <small>EPID. DIOP. GARN. SERP. QTZ/SIL. ACTINO. TREMO. CHLO. CRYSTALLINE. SHEARING. VEINS. FRACTURING. FOLIATION. GRAIN SIZE, TEXTURE</small>	MINERALIZATION		ASSAY DATA							
From	To		TYPE	%	SAMPLE NO.	WIDTH	RECOV.	%CU	%FE	MOLY	AU/AG	INS
91.5	96.7	MARBLE DIRTY GREY; BANDED WITH DARKER GREY; BEDDING AT 55° TO CORE AXIS				5.2	5.2					
96.7	157.6	QUARTZITE										
		96.7-100.0 DARK TO MED. GREY; MASSIVE; BEDDING AT 45° TO CORE AXIS				3.3	3.3					
		100.0-137.0 PALE GREY TO WHITE; MASSIVE; BEDDING AT 40-50° TO CORE AXIS; SKARNY WITH UP TO 50% TREMOLITE IN WHITE SECTIONS				37.0	36.4					
		137.0-148.0 MED TO DARK GREY; HIGHLY BROKEN; (8' CORE LOKED IN CORE BARREL - NOT RECOVERED)				11.0	1.5					
		148.0-152.0 MED GREY; SLIGHTLY BANDED; BANDING AT 45° TO CORE AXIS				4.0	4.0					
		152.0-157.6 PALE GREY TO WHITE; 20-80% TREMOLITE; 5-20% GYPSUM (PINK TO FLESH)				5.6	5.6					

R.G. HILKER
CONSULTING GEOLOGIST
WHITEHORSE YUKON TERRITORY

PROPERTY _____	Claim No. _____	Strike _____	Lat. _____	Hole No. <u>Y-5</u>
Date _____ 19 _____	Section No. _____	Dip _____	Dep. _____	Total Depth <u>300'</u>
Logged By <u>GR</u>	Plan No. _____	Level _____	Elev. _____	Page No. <u>4 of 5</u>

FOOTAGE		ROCK CLASSIFICATION <small>EPID. DIOP. GARN. SERP. QTZ/SIL. ACTINO. TRENO. CHLO. CRYSTALLINE. SHEARING. VEINS. FRACTURING. FOLIATION. GRAIN SIZE, TEXTURE</small>	MINERALIZATION		ASSAY DATA							
From	To		TYPE	%	SAMPLE NO.	WIDTH	RECOV.	%CU	%FE	MOLY	AU/AG	INSOL
207.5	214.5	MARBLE (SPECKLED) DAKE GREY-GREEN WITH IRREGULAR BLACK SPECKS (ALGAL STRUCTURE?)				5.0	5.0					
214.5	300.0	QUARTZITE										
		214.5 - 221.0 MED GREY; MODERATELY BROKEN; BEDDING AT 70° TO CORE AXIS				6.5	4.8					
		221.0 - 223.0 DAKE GREY; FINE GRAINED (CHERTY); BROKEN				3.0	2.2					
		223.0 - 224.6 MED GREY; HIGHLY BROKEN				1.6	0.9					
		224.6 - 233.0 MED GREY; MASSIVE; BEDDING AT 60° TO CORE AXIS				8.4	7.0					
		233.0 - 257.0 MED GREY; HIGHLY BROKEN; LIMAY; Fe STAINING OVER LOWER END OF SECTION (AREA OF FAULTING?)				24.0	15.0					
		257.0 - 300.0 MED GREY; GENERALLY MASSIVE; SHORT SECTIONS OF HEAVILY BROKEN CORE; OCCASIONAL DISSEMINATED PYRRHOTITE OVER SHORT SECTIONS; OCCASIONAL Ni STAINING ON BEDDING / CLEAVAGE PLANES; BEDDING AT 40-60° TO CORE AXIS.				43.0	32.7					

END HOLE

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WHITEHORSE YUKON TERRITORY

PROPERTY <u>YREKA - SEKUMUN LAKE</u>	Claim No. _____	Strike _____	Lat. _____	Hole No. <u>Y-9</u>
Date <u>FEB 9-12</u> 19 <u>70</u>	Section No. <u>36100E</u>	Dip <u>-60°S</u>	Dep. _____	Total Depth <u>300'</u>
Logged By <u>G.S. ZIMMER</u>	Plan No. _____	Level _____	Elev. <u>3665</u>	Page No. <u>1 of</u>

FOOTAGE		ROCK CLASSIFICATION <small>EPID. DIOP. GARN. SERP. QTZ/SIL. ACTINO. TREMO. CHLO. CRYSTALLINE. SHEARING. VEINS. FRACTURING. FOLIATION. GRAIN SIZE, TEXTURE</small>	MINERALIZATION		ASSAY DATA							
From	To		TYPE	%	SAMPLE NO.	WIDTH	RECOV.	%CU	%FE	MOLY	AU/AG	INS
0	20.0	OVERBURDEN				20.0	0.0					
20.0	23.0	QUARTZITE DALE GREY; HIGHLY BROKEN				3.0	1.2					
23.0	61.8	MARBLE DALE GREY TO WHITE; BANDED; BEDDING AT 65-70° TO CORE AXIS				38.8	28.0					
61.8	88.0	QUARTZITE 61.8-66.0 DARK GREY; BEDDING AT 70° TO CORE AXIS 66.0-70.7 MED GREY; SLIGHTLY SKIRNY 70.7-88.0 HIGHLY BROKEN & LEACHED; HEAVY Fe STAIN				5.2	4.3					
88.0	89.6	VEIN QUARTZ MASSIVE MILKY WHITE; PYRRHOTITE IN SMALL RANDOM STRINGERS			0513	1.6	1.4					

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WHITEHORSE YUKON TERRITORY

PROPERTY _____	Claim No. _____	Strike _____	Lat. _____	Hole No. <u>V-9</u>
Date _____ 19 _____	Section No. _____	Dip _____	Dep. _____	Total Depth <u>300'</u>
Logged By <u>ESJ</u>	Plan No. _____	Level _____	Elev. _____	Page No. <u>2 of</u>

FOOTAGE		ROCK CLASSIFICATION <small>EPID. DIOP. GARN. SERP. QTZ/SIL. ACTINO. TREMO. CHLO. CRYSTALLINE. SHEARING. VEINS. FRACTURING. FOLIATION. GRAIN SIZE. TEXTURE</small>	MINERALIZATION		ASSAY DATA							
From	To		TYPE	%	SAMPLE NO.	WIDTH	RECOV.	%CU	%FE	MOLY	AU/AG	INSOL.
89.4	91.8	QUARTZITE DARK GREY; MASSIVE; BEDDING AT 75° TO CORE AXIS; DISSEMINATED PYRRHOTITE & ANNABERGITE THROUGHOUT	PYRRHOTITE ANNABERGITE	45% —	0514	1.2	1.2					
91.8	96.4	VEIN QUARTZ MASSIVE; MILKY WHITE; PYRRHOTITE IN SMALL RANDOM STRINGERS	PYRRHOTITE	5%	0513	4.6	4.2					
96.4	105.0	QUARTZITE 96.4-100.0 MED. GREY; SLIGHTLY SKARBY; FINELY DISSEMINATED PYRRHOTITE AND ANNABERGITE STAINING THROUGHOUT 100.0-105.0 AS ABOVE	PYRRHOTITE STAINING	45% —	0516	3.6	3.6					
			PYRRHOTITE STAINING	45% —	0517	5.0	5.0					
105.0	107.1	MARBLE DIRTY GREY				2.1	2.1					
107.1	116.7	QUARTZITE MED TO DARK GREY; BEDDING AT 80° TO CORE AXIS				9.6	8.5					

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PROPERTY <u>SEKULMUI LAKE</u>	Claim No. _____	Strike <u>130°</u>	Lat. <u>-1400 S</u>	Hole No. <u>70-1</u>
Date <u>Dec. 3</u> 19 <u>70</u>	Section No. _____	Dip <u>-60°</u>	Dep. <u>+2500 E</u>	Total Depth <u>410</u>
Logged By <u>G. CARLSON</u>	Plan No. _____	Level _____	Elev. <u>+3417</u>	Page No. <u>1 of 13</u>

FOOTAGE		ROCK CLASSIFICATION <small>EPID. DIOP. GARN. SERP. QTZ/SIL. ACTINO. TREMO. CHLO. CRYSTALLINE. SHEARING. VEINS. FRACTURING. FOLIATION. GRAIN SIZE, TEXTURE</small>	MINERALIZATION		ASSAY DATA							
From	To		TYPE	%	SAMPLE NO.	WIDTH	RECOV.	%CU	%FE	MOLY	AU/AG	INSOL
0	17	OVERBURDEN										
17	145	<p>QUARTZITE - dark, fine grained, banded (5' recov.)</p> <p>-27.5 - dark, almost black, with lighter bands, 1/16 - 1/4" width, 45° to core axis - poor recovery, highly broken at top of hole</p> <p>- narrow zones, some banding very faint, others almost gneissic</p> <p>- fracturing - parallel to and almost at right angles to banding</p> <p>- minor sulfides smeared along some seams - ^{rust} - chlorite also present.</p> <p>27.5-37.0 (5' recov.) - as above</p> <p>- still highly broken & poor recov.</p> <p>- possible to py. & minor rust.</p>										

Pyrite to
 Chalcopyrite

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WHITEHORSE YUKON TERRITORY

PROPERTY <u>SEKULMUN LAKE</u>	Claim No. _____	Strike <u>130°</u>	Lot. _____	Hole No. <u>70-1</u>
Date <u>2 Dec</u> 19 <u>70</u>	Section No. _____	Dip <u>-60°</u>	Dep. _____	Total Depth <u>410</u>
Logged By <u>P.C.</u>	Plan No. _____	Level _____	Elev. _____	Page No. <u>13 of 13</u>

FOOTAGE		ROCK CLASSIFICATION <small>EPID. DIOP. GARN. SERP. QTZ/SIL. ACTINO. TREMO. CHLO. CRYSTALLINE. SHEARING. VEINS. FRACTURING. FOLIATION. GRAIN SIZE. TEXTURE</small>	MINERALIZATION		ASSAY DATA							
From	To		TYPE	%	SAMPLE NO.	WIDTH	RECOV.	%CU	%Fe 20	MOLY	AU/AG	INSOL.
		QUARTZ MICA SCHIST (cont'd)										
		365.5-367.5: Fault - highly broken.										
		373-373.5 — " —										
		385-386 — " —										
		- minor zones (to 3" width) of pure chlorite - possibly minor stems parallel to banding.										
387	390.5	ALTERED QUARTZITE - light colored fine grained, similar to "rhyolite porphyry"	Pyrite Pyrrhotite	tr.								
390.5	404	QUARTZ MICA SCHIST. - typical as above, some bands of high silicification 391-391.5 - small fault. - banding - 70 to 90° to core axis	Pyrite Pyrrhotite	tr.								
404	410	ALTERED QUARTZITE - (SKARN?) - very mottled dark to light cream appearance - Pyrrhotite occurs in scattered blobs & on stems - also Py	Pyrrhotite Pyrite	tr.								
		405-410	Pyrrhotite Pyrite	tr.	3343	5	5	0.01	TR			

410 - END OF HOLE

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WHITEHORSE YUKON TERRITORY

PROPERTY <u>SEKULMIN LAKE</u>	Claim No. <u>CAD 9</u>	Strike <u>180</u>	Lat. <u>-2350 S</u>	Hole No. <u>70-2</u>
Date <u>12 Dec.</u> 19 <u>70</u>	Section No. _____	Dip <u>-70</u>	Dep. <u>+3200 E</u>	Total Depth _____
Logged By <u>C. CARLSON</u>	Plan No. _____	dip test - 300' - 80°	Elev. <u>3507.43</u>	Page No. <u>1 of 15</u>

FOOTAGE		ROCK CLASSIFICATION EPID. DIOP. GARN. SERP. QTZ/SIL. ACTINO. TREMO. CHLO. CRYSTALLINE. SHEARING. VEINS. FRACTURING. FOLIATION. GRAIN SIZE. TEXTURE	MINERALIZATION		ASSAY DATA							
From	To		TYPE	%	SAMPLE NO.	WIDTH	RECOV.	%CU	%FE	MOLY	AU/AG	INSOL.
0	15	OVERBURDEN										
15	18	BANDED QUARTZITE (Qtz-Bi-Schist) - dark, biotite-rich, very highly broken - banding approx 90° to core axis										
18	60	"MOTTLED QUARTZITE" META SEDIMENTS - light grey mottled texture, highly siliceous, minor feldspar, 2-3% mafics, faint evidence of banding in few locations. - fracturing dominant: 1) 15° to core axis. 2) 25° to core axis. 3) 50° to core axis. 4) 80-90° - " - Sulfides: pyrite - mainly disseminated pyrrhotite - mainly along 25° fract.										

Pyrite
Pyrrhotite tr. - 1%

R.G. HILKER
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WHITEHORSE YUKON TERRITORY

PROPERTY <u>SEKULMUN LAKR</u>	Claim No. _____	Strike <u>120°</u>	Lat. <u>-2350</u>	Hole No. <u>70-2</u>
Date <u>13 Dec</u> 19 <u>70</u>	Section No. _____	Dip <u>-70°</u>	Dep. <u>+3200</u>	Total Depth _____
Logged By <u>R.C.</u>	Plan No. _____	Level _____	Elev. <u>+3507</u>	Page No. <u>3 of 15</u>

FOOTAGE		ROCK CLASSIFICATION <small>EPID. DIOP. GARN. SERP. QTZ/SIL. ACTINO. TREMO. CHLO. CRYSTALLINE. SHEARING. VEINS. FRACTURING. FOLIATION. GRAIN SIZE. TEXTURE</small>	MINERALIZATION		ASSAY DATA							
From	To		TYPE	%	SAMPLE NO.	WIDTH	RECOV.	%CU	%Zn	MOLY	AU/AG	INSOL
		<u>QUARTZ-MICA SCHIST (cont'd)</u>										
		<u>FAULTS: 94.5-95; 98-101; 106-109 - less than 50% recovery, general rusty appearance in all zones.</u>										
		<u>110'-113': - quite highly broken, silicified zone - somewhat rusty, strong Pyrite on some fracture faces.</u>										
		<u>120' - banding - 80° to core axis. fractures - 35°, 20° & 10° to core axis; - fine calcareous fract. fillings</u>										
		<u>137.5-138 - small FAULT</u>										
		<u>142.5-144 - FAULT - rusty, 25% recovery</u>										
		<u>146-148 - highly broken, 1.5' recovery</u>										
		<u>151-157 - highly broken - FAULT - 2' recov.</u>										
		<u>164.5-165 - broken, rusty, silicified, visible Pyrite</u>										
		<u>171 - banding - 70° to core axis</u>										
		<u>110-117.5</u>	<u>Pyrite</u>	<u>to 1%</u>	<u>3344</u>	<u>7.5</u>	<u>5</u>	<u>0.03</u>	<u>TR</u>			

R.G. HILKER
CONSULTING GEOLOGIST
WHITEHORSE YUKON TERRITORY

PROPERTY <u>SEKULMAN LAKE</u>	Claim No. _____	Strike <u>180°</u>	Lat. <u>-2350</u>	Hole No. <u>70-2</u>
Date <u>12 Dec</u> 19 <u>70</u>	Section No. _____	Dip <u>-70°</u>	Dep. <u>+3200</u>	Total Depth _____
Logged By <u>R.C.</u>	Plan No. _____	Level _____	Elev. <u>+3507</u>	Page No. <u>10 of 15</u>

FOOTAGE		ROCK CLASSIFICATION <small>EPID. DIOP. GARN. SERP. QTZ/SIL. ACTINO. TREMO. CHLO. CRYSTALLINE. SHEARING. VEINS. FRACTURING. FOLIATION. GRAIN SIZE, TEXTURE</small>	MINERALIZATION		ASSAY DATA							
From	To		TYPE	%	SAMPLE NO.	WIDTH	RECOV.	%CU	%Fe Zn	MOLY	AU/AG	INSOL
		ALTERED MICACEROUS QUARTZITE (cordal)										
		377.6 - 390: - highly broken										
		378-379 - FAULT - sand seam.										
		379-390 - only 2' recovery, most of return water lost here.										
390	419	QUARTZ - BIOTITE - SCHIST - typical - medium grained grey to black grey, siliceous sand - schistosity (bending) 60-90° to core axis - fracturing not dominant - 1 direction 45° to core axis.										
419	434.5	ALTERED MICACEROUS QUARTZITE - as above. - broken ground - possibly small Faults - 424-424.5; 426; 434-434.5.	Pyrite to 1%									
		421.5-426	Pyrite to 10%	3346	4.5	4.5	0.02	TR				

R.G. HILKER
CONSULTING GEOLOGIST
WHITEHORSE YUKON TERRITORY

PROPERTY <u>SKYVUMMIAL LAKE</u>	Claim No. _____	Strike <u>180</u>	Lat. <u>-2350</u>	Hole No. <u>70-2</u>
Date <u>2 MAR 19 71</u>	Section No. _____	Dip <u>-70</u>	Dep. <u>+3200</u>	Total Depth _____
Logged By <u>C. CARLSON</u>	Plan No. _____	Level _____	Elev. <u>+3507</u>	Page No. <u>13 of 15</u>

FOOTAGE		ROCK CLASSIFICATION <small>EPID. DIOP. GARN. SERP. QTZ/SIL. ACTINO. TREMO. CHLO. CRYSTALLINE. SHEARING. VEINS. FRACTURING. FOLIATION. GRAIN SIZE. TEXTURE</small>	MINERALIZATION		ASSAY DATA							
From	To		TYPE	%	SAMPLE NO.	WIDTH	RECOV.	%CU	%Fe %A	MOLY	AU/AG	INSOL
		523-540. as above but fracturing not intense.										
540	561	MOTTLED QUARTZITE - typical light grey, sub-rounded quartz crystals to 1/8" diam. - chlorite (?) to 5% - irregular light green blebs from 1/8 to 1/4" diameter, possibly altered feldspars or mafics - pyrite prominent on some fracture faces, also minor disseminated	Pyrite tr. to 1%									
561	636	BANDS QUARTZITE BANDS QUARTZITE - typical as above but less micaceous 561-575: highly broken 575-576.5; 584-584.5: altered zones, quite siliceous and somewhat folded - abundant pyrrhotite with lesser pyrite and possibly visible chalcocite	Pyrite tr. Pyrrhotite 1-2% Chalcocite tr.?	33A7	2	2	0.02	0.16		TR/100		

CERTIFICATION OF EXPENDITURES

I, R.G. Hilker, P.Eng., of the City of Whitehorse,
Yukon Territory, DO HEREBY CERTIFY:


THAT to the best of my knowledge, expenditures totalling \$44,178.16 were made on the CAD claims, Sekulmun Lake property, for the purpose of diamond drilling. This diamond drilling expenditure was made by Rockland Contractors Limited of Vancouver, B.C. Invoices of the diamond drilling costs are attached.

THAT crawler-tractor road building in frozen material was conducted for a total distance of 6.5 miles, to the value of \$20,000.00, based on a yardage-moved basis. (See claims sketch for location of road).

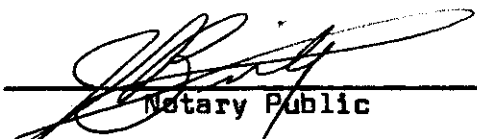
$$6.5 \text{ miles} \times 5280 \frac{\text{ft}}{\text{mile}} \times \frac{14 \text{ ft} \times 1.5 \text{ ft}}{27 \text{ ft}^3/\text{yd}^3} = 26,700 \text{ yd}^3$$

$$26,700 \text{ yd}^3 \times \frac{0.75}{\text{yd}^3} = \$ \underline{20,000}$$

DATED at Whitehorse, Yukon Territory, this 5 day of
November, A.D. 1970.



R.G. Hilker, P.Eng.
Consulting Geologist



Notary Public

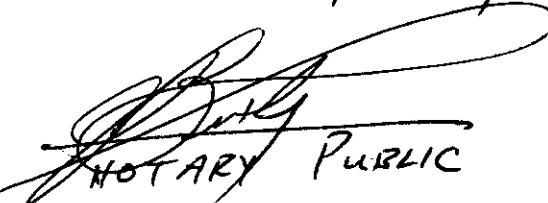


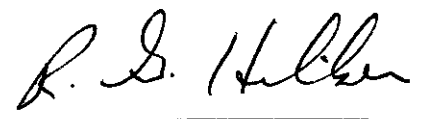
R. G. HILKER
LIMITED
CONSULTING GEOLOGIST . . . PROFESSIONAL ENGINEER
P.O. BOX 1566
WHITEHORSE, YUKON TERRITORY
"LAND OF THE MIDNIGHT SUN"

November 1, 1971

I, R. G. Hilker, do hereby certify that \$33,667.98 was expended on a diamond drill programme in December 1970 and January 1971 on the Coal 9-21 & 6 claims on Selkirk Lake. The attached invoices are by the contractor Arctic Diamond Drilling Ltd. and paid for by the Calton Syndicate of Toronto, Ontario.

WHITEHORSE, YUKON TERR
NOVEMBER 1st, 1971


NOTARY PUBLIC


R. G. HILKER, P. ENG.
NOV. 1st., 1971

ARCTIC DIAMOND DRILLING LTD.

P.O. Box 3204,
Whitehorse, Yukon Territory

Marwell Area - Phone 668-2440

730 - 510 W. Hastings Street,
Vancouver, B.C.

Phone 668-3328

CALTOR SYNDICATE LIMITED

STATEMENT OF ACCOUNT

<u>Date</u>	<u>Invoice Number</u>	<u>Debit</u>	<u>Credit</u>
December 10	Inv. # 744	\$ 3,514.50	
December 29	Cheque		\$ 3,514.50
February 1	Inv. # 754	\$ 1,509.25	
"	Inv. # 755	\$ 4,560.25	
"	Inv. # 756	\$ 9,359.30	
"	Inv. # 757	\$ 327.69	
February 4	Inv. # 760	\$ 7,062.50	
February 9	Inv. # 766	\$ 1,620.23	
"	Inv. # 767	\$ 2,449.24	
"	Inv. # 768	\$ 1,038.10	
February 12	Inv. # 769	\$ 484.17	
"	Inv. # 771	\$ 1,742.75	
"	Inv. # 772		\$ 253.00
		<u>\$ 33,667.98</u>	<u>\$ 3,767.50</u>

BALANCE DUE \$ 29,900.48

Truck rental to follow.

Invoice # 772
February 15, 1971

IN ACCOUNT WITH :

CALTOR SYNDICATE LIMITED,
c/o R. G. Hilker Limited,
Box 1556,
Whitehorse, Y. T.

Credit to reverse M. Nichiporik's time charged on Invoice # 744
for mobilization

44 Hours @ \$ 5.75

\$ 253.00 CR

TOTAL CREDIT..... \$(253.00)

Invoice # 766
February 9, 1971

IN ACCOUNT WITH :

GALTON SYNDICATE LTD.,
c/o R. G. Hilker Ltd.,
Box 1556,
Whitewhorse, Y. T.

Groceries per attached copies of Kelly, Douglas and Co. Ltd. Invoices

<u>Invoice Number</u>	<u>Amount</u>
00842	\$ 15.90
01402	\$ 30.91
16040	\$ 442.22
15537	\$ 108.12
00339	\$ 116.84
15784	\$ 21.60
27890	\$ 42.37
27668	\$ 255.05
27660	\$ 107.01
28012	\$ 15.02
163.74	\$ 52.75
16322	\$ 7.25
15972	\$ 151.40
06642	\$ 43.70
03043	\$ 11.75
16097	\$ 27.65
19008	\$ 8.00

Invoice # 766
February 9, 1971

CALFOR SYNDICATE LIMITED.....

<u>Invoice Number</u>		<u>Amount</u>
04463		\$ 9.39
18971		<u>\$ 6.01</u>
		\$ 1472.94
	PLUS 10 %	<u>\$ 147.29</u>
	TOTAL	<u>\$ 1620.23</u>

Invoice # 767

February 9, 1971

IN ACCOUNT WITH :
GALTON SYNDICATE LTD.,
c/o R. G. Hilker Ltd.,
Box 1556,
Whitehorse, Y. T.

Fuel, Gas and Propane per copies of attached Invoices.

	<u>Invoice Number</u>	<u>Amount</u>
White Pass & Yukon Route	778982	\$ 43.78
	870589	\$ 90.36
	870637	\$ 138.24
	870926	\$ 138.24
	779239	\$ 30.71
	779252	\$ 11.44
Gulf Oil Limited	31040	\$ 1196.95
	09098	\$ (36.00)
	31002	\$ 699.63
	31097	\$ 12.74
	09092	\$ (175.00)
	09095	\$ (31.00)
Consolidated Hydrocarbons Ltd.	230751	\$ 74.20
	001229	\$ 3.85
	230784	\$ 173.25
	230833	\$ 115.50
	231002	\$ 115.50
	231058	\$ 115.50
	231068	\$ (268.65)
	TOTAL.....	\$ <u>2449.24</u>

Invoice # 768

February 9, 1970

IN ACCOUNT WITH :

CALTON SYNDICATE LTD.,
c/o R. G. Hilker Ltd.,
Box 1556,
Whitehorse, Y. T.

70 Only core boxes c/w 30 lids per

General Enterprises Ltd. Inv. # 97358 \$ 248.00

Cost of tent frames and camp left on site per

General Enterprises Ltd.

Inv. # 98247	\$ 18.63
97282	\$ 50.71
97141	\$ 453.55
97270	\$ 42.49
97313	\$ 76.72

Plus Cost of construction per

P. Gosselin \$ 123.00 \$ 765.10

Loading water tanks on truck with fork lift per

N. C. Machinery Inv. # 50849 \$ 25.00

TOTAL..... \$1038.10

February 12, 1971

Invoice # 769

IN ACCOUNT WITH :

GALTOR SYNDICATE LIMITED.,
c/o R. G. Hilker Limited,
Box 1556,
Whitehorse, Y. T.

Fuel and Gas

Per copies of attached Invoices

Jan. 4	White Pass	Inv. # 870509	\$ 199.26
Jan. 8	White Pass	Inv. # 870548	\$ 28.69
Jan. 26	White Pass	Inv. # 870343	\$ 214.14
Jan. 27	White Pass	Inv. # 772148	\$ 19.04
Jan. 30	White Pass	Inv. # 870417	\$ 23.04
			<u>\$ 484.17</u>

Invoice # 771

February 12, 1971

IN ACCOUNT WITH :

CALFOR SYNDICATE LIMITED,
c/o R. G. Hilker Limited,
Box 1556,
Whitehorse, Y. T.

Demobilization (Feb. 1 to 6)

237 Man Hours @ \$ 575

\$ 1362.75

Truck Rental (5 Ton)

1 - 6 = 6 Days @ \$ 50.00 per day

\$ 300.00

Cat Rental

1 and 2 Only = 2 Days @ \$ 40.00 per day

\$ 80.00

\$ 1742.75

Invoice # 756
February 3, 1971

IN ACCOUNT WITH :
GALTOR SYNDICATE LTD.,
c/o R. G. Hilker Ltd.,
Box 1556,
Whitehorse, Y. T.

Hole # 2 - 70 x 90

Moving

75 Man Hours @ \$ 5.75	\$ 431.25	
31.5 Machine Hours @ \$ 6.50	<u>\$ 204.75</u>	\$ 636.00

Removing Casing

3 Man Hours @ \$ 5.75	\$ 17.25	
1.5 Machine Hours @ \$ 6.50	<u>\$ 9.75</u>	\$ 27.00

Truck and Cat Driver

261 Man Hours @ \$ 5.75		\$ 1500.75
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Cementing

18 Man Hours @ \$ 5.75	\$ 103.50	
9 Machine Hours @ \$ 6.50	\$ 58.50	
2 Bags Cement @ \$ 8.65	<u>\$ 17.30</u>	\$ 179.30

Roads and Access

8 Man Hours @ \$ 5.75		\$ 46.00
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Water Supply

2 Man Hours @ \$ 5.75	\$ 11.50	
1 Machine Hours @ \$ 6.50	<u>\$ 6.50</u>	\$ 18.00

Travelling

38 Man Hours @ \$ 5.75		\$ 218.50
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Penetrating Overburden

0 - 15 = 15 Feet @ \$ 8.25		\$ 123.75
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Coring

.....2

Invoice # 756

Page 2

CALTO SYNDICATE LIMITED.....

Coring

15 - 600 = 585 Feet @ \$ 8.25

\$ 4826.25

600 - 727 = 127 Feet @ \$ 9.25

\$ 1174.75

\$ 6001.00

Reaming Casing

15 - 102 = 87 Feet @ \$ 7.00

\$ 609.00

\$ 609.00

\$ 9359.30

\$ 9359.30

Invoice # 760
February 4, 1971

IN ACCOUNT WITH :
CALTON SYNDICATE LTD.,
c/o R. G. Hilker Ltd.,
Box 1556,
Whitehorse, Y. T.

Demobilization (To 31st of January Only)

142 Man Hours @ \$ 5.75 \$ 816.50

Cook's Wages

Dec. 1 - 17 = 17 Days

Jan. 6 - 30 = 25 Days

Total 42 Days @ \$ 750.00 per month

= 42 Days @ \$ 25.00 per day \$ 1050.00

Plus 10 % \$ 105.00 \$ 1155.00

Cat Rental

Dec 1 - 17 = 17 Days

Jan 6 - 30 = 25 Days

Total 42 Day @ \$ 1200.00 per month \$ 1680.00

Truck Rental

Dec. 1 - 17 = 17 Days

Jan. 6 - 30 = 25 Days

Total 42 Days @ \$ 50.00 per day \$ 2100.00

Mobilization (Truck)

Per Gordies Trucking Inv. # 4366 \$ 489.50

Per Gordies Trucking Inv. # 4495 \$ 617.00

Per Gordies Trucking Inv. # 4496 \$ 204.50 \$ 1311.00

\$ 7062.50

Invoice # 755

February 3, 1971

IN ACCOUNT WITH :

CALTOR SYNDICATE LTD.,
c/o R. G. Hilker Ltd.,
Box 1556,
Whitehorse, Y. T.

Mobilization and Setting Up

20 Man Hours @ \$ 5.75 \$ 115.00

Hole # 70 - 1 - 60° x AQ

Truck and Cat Driver

97 Man Hours @ \$ 5.75 \$ 557.75

Roads and Access

48 Man Hours @ \$ 5.75 \$ 276.00

24 Machine Hours @ \$ 6.50 \$ 156.00 \$ 432.00

Testing

5 Man Hours @ \$ 5.75 \$ 28.75

2.5 Machine Hours @ \$ 6.50 \$ 16.25 \$ 45.00

Penetrating Overburden

0 - 17 = 17 Feet @ \$ 8.25 \$ 140.25

Coring

17 - 410 = 393 Feet @ \$ 8.25 \$ 3242.25

Reaming Casing

17 - 21 = 4 Feet @ \$ 7.00 \$ 28.00

\$ 4560.25

Invoice # 754

February 2, 1971

IN ACCOUNT WITH :

Calter Syndicate Ltd.,
c/o A. G. Milker Ltd.,
Box 1556,
Whitehorse, Y. T.

Wells # 70 - 3 - 75° x 80

Moving

70 Man Hours @ \$ 5.75	\$ 402.50	
19 Machine Hours @ \$ 6.50	<u>\$ 123.50</u>	\$ 526.00

Removing Casing

12 Man Hours @ \$ 5.75	\$ 69.00	
4 Machine Hours @ \$ 6.50	<u>\$ 26.00</u>	\$ 95.00

Truck and Cat Driver

77 Man Hours @ \$ 5.75		\$ 442.75
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Penetrating Overburden

0 - 54 = 54 Feet @ \$ 8.25		<u>\$ 445.50</u>
		<u>\$ 1509.25</u>

Invoice # 757

February 3, 1971

IN ACCOUNT WITH :

CALTOR SYNDICATE LTD.,
c/o R. G. Hilker Ltd.,
Box 1556,
Whitehorse, Y. T.

Equipment Left in Hole

Hole # 2 January 20th

Hole # 3 January 29th

6 X Only 10' lengths AX casing	@ \$ 17.25	\$ 103.50	
1 Only 2' length BX casing	@ \$ 11.00	\$ 11.00	
1 Only 10' length BX casing	@ \$ 27.00	<u>\$ 27.00</u>	
		\$ 141.50	
	Plus 10 %	<u>\$ 14.15</u>	\$155.65
1 Only BX Casing shoe # 53734	@ \$ 91.00	\$ 91.00	
1 Only AX Casing shoe # 67531	@ \$ 65.40	<u>\$ 65.40</u>	
		\$ 156.40	
	Plus 10 %	<u>\$ 15.64</u>	\$ 172.04
			<u>\$ 327.69</u>



ROCKLAND CONTRACTORS LTD.

DIAMOND DRILLING CONTRACTORS

8496

ONTARIO STREET - VANCOUVER 15, B.C. - TELEPHONE 327-9113

327-9724

TO: Yreka Mines Limited,
333 - 885 Dunsmuir Street,
Vancouver, B.C.

DATE Feb. 10/70 INVOICE NO. RCL-70-23

TERMS

JOB NO. Surface Contract 7002 - Whitehorse

BQ Core

<u>Hole No.</u>	<u>From</u>	<u>To</u>	<u>Footage</u>	<u>Rate</u>	<u>Amount</u>
Y-1	6	395	389	\$ 11.70	\$ 4,551.30 ✓
Y-2	14	107	93	11.70	1,088.10 ✓
Y-3	8	400	392	11.70	4,586.40 ✓
Y-4	20	30	10	11.70	117.00

To installing casing in overburden as follows:

Y-1	0	6	6	\$ 11.00	66.00
Y-2	0	14	14	11.00	154.00
Y-3	0	8	8	11.00	88.00
Y-4	0	20	20	11.00	220.00

Company Time:

Jan. 17-24/70: Mobilize from Whitehorse to job-site as per contract price: \$ 2,600.00 ✓

Jan. 20/70 : Standby time; delay waiting for road to be pushed through: mhrs. 8 hrs. x 5 men @ \$6.75 per hr. ~~270.00~~

Jan. 21/70 : To setting up Company camps: mhrs.: 40 hrs. @ \$6.75 hr. ~~270.00~~

Jan. 22/70 : Setting up Company camps: mhrs.: 8 hrs., 3 men @ \$6.75hr. ~~162.00~~ 485

Jan. 25/70 : Standby time; delay waiting for road to be pushed through: mhrs. 8 hrs. x 10 men @ \$6.75 per hr. ~~540.00~~

Road up to hill

Machine No. 1

Jan. 27/70 : Acid tests at 100,200,300,390 feet:

4 tests @ \$8.00 per test:

Carried Forward:

32.00
\$ 14,744.80

*Bill Smith
Cont*



ROCKLAND CONTRACTORS

DIAMOND DRILLING CONTRACTORS

LTD.

8000

ONTARIO STREET - VANCOUVER 15, B.C. - TELEPHONE 327-9113
327-9724

TO . Yreka Mines Limited,
333 - 885 Dunsmuir Street,
Vancouver, B. C.

page no. 2

DATE Feb. 10/70

INVOICE NO. RCL-70-23

TERMS

JOB NO.

Brought Fwd.,

\$ 14,744.80

Jan. 27/70 Cont'

Hole Y-1 terminated; pull casing:

Mhrs: 1 hr. x 2 men @ \$6.75 per hr.

13.50 ✓

Machine rental: 1 hr. @ \$6.00 per hr.

6.00 ✓

Delay, waiting for tractor to move:

Mhrs: 8 hrs. x 2 men @ \$6.75 per hr. ✓

108.00

Jan. 28/70 day : Delay waiting for tractor to move:

Mhrs: 3 hrs. x 2 men @ \$6.75 per hr. ✓

40.50

Hawling water for camp: mhrs.: 1 hr. @ \$6.75 per hr.

6.75 ✓

Jan. 30/70 aft : Hole Y-3 terminated; acid tests at 100,200,300,400 feet
4 tests @ \$8.00 ea.

32.00 ✓

Pull casing: mhrs: 2 hrs. x 2 men @ \$6.75 per hr.

27.00 ✓

Machine rental: 2 hrs. @ \$6.00 per hr.

12.00 ✓

" nite : Standby time; hole terminated on day shift:

Mhrs: 8 hrs. x 5 men @ \$6.75 per hr.

Jan. 31/70 : Haul wood & fuel for camp & power plant:

Mhrs: 1 hr. @ \$6.75 per hr.

6.75 ✓

Machine No. 2

Jan. 26/70 : Delay waiting for tractor:

Mhrs: 4 hrs. x 2 men @ \$6.75 per hr. ✓

54.00

Jan. 29/70 day : Haul fuel & water for camp:

Mhrs: 2 hrs. x 2 men @ \$6.75 per hr.

27.00 ✓

Jan. 30/70 day : Haul water for camp: Mhrs. 1 hr. x 2 men @ \$6.75 per hr.

13.50 ✓

Invoice total:

\$ 15,361.80



ROCKLAND CONTRACTORS

LTD.

DIAMOND DRILLING CONTRACTORS

0406

ONTARIO STREET - VANCOUVER 15, B.C. - TELEPHONE 327-9113
327-9724

TO • Yreka Mines Limited,
333 - 885 Dunsmuir Street,
Vancouver, B.C.

DATE Feb. 10/70 INVOICE NO.

TERMS

JOB NO.

Statement of account

		<u>Dr.</u>	<u>Cr.</u>	<u>Balance</u>
Jan. 30/70	Invoice RCL-70-20 (re: core boxes supplied)	\$ 647.95		
Feb. 10/70	Invoice RCL-70-23 (First Billing)	\$ <u>15,361.80</u>		<u>\$ 16,009.75</u>

9

Payment would be appreciated at your very
earliest convenience

*Original invoice
submitted to R. Helber
for approval
Kocher*



ROCKLAND CONTRACTORS

LTD.

DIAMOND DRILLING CONTRACTORS



ONTARIO STREET - VANCOUVER 15, B.C. - TELEPHONE 327-9113
327-9724

TO . Yreka Mines Limited
c/o Bayland Mines Limited
#333 - 885 Dismuir St.,
Vancouver, B.C.

DATE

INVOICE NO. RCL-70-20

TERMS

JOB NO.

To 225 BQ Core boxes

100 BQ Core box covers supplied
as per attached invoice

\$535.50

53.55

Freight to Whitehorse

58.90

Surcharge 10%

INVOICE TOTAL

\$647.95



ROCKLAND CONTRACTORS

DIAMOND DRILLING CONTRACTORS

LTD.

8436

ONTARIO STREET - VANCOUVER 15, B.C. - TELEPHONE 327-9113
327-9724

TO . Yreka Mines Limited
#333 - 885 Dunsmuir Street,
Vancouver, B.C.

DATE Feb. 17-70 INVOICE NO. RCL-70-24

TERMS

Period: Feb. 1-12, 1970

JOB NO.

Re: Surface Contract #70-02 - Whitehorse

BQ CORE

Hole No.	From	To	Footage	Rate	\$Amount
Y-4	30'	63'	33'	\$11.70	\$ 386.10
Y-5	22'	300'	278'	11.70	3,252.60
Y-12	16'	128'	112'	11.70	1,310.40
Y-2A	107'	400'	293'	11.70	3,428.10
Y-6	22'	303'	283'	11.70	3,311.10
Y-9	20'	300'	280'	11.70	3,276.00

To installing casing in overburden

Y-5	0'	22'	22'	\$11.00	242.00
Y-12	0'	16'	16'	11.00	176.00
Y-6	0'	22'	22'	11.00	242.00
Y-9	0'	20'	20'	11.00	220.00

COMPANY TIME:

Machine No. 2

Feb. 4-70 Day	Ream from 142' - 244' - hole Y-2A Man/hrs.: 3 hrs. X 2 men @ \$6.75/hr. 40.50 Supervisor: B. Marcil: Man/hrs.: 2 hrs. @ \$6.75/hr. 13.50 Machine rental: 3 hrs. @ \$6.00/hr. 18.00 Diamond usage: 102 ft. @ \$2.40/ft. 244.80
Feb. 5-70 Day	Acid test at 100, 200, 300, 400. 4 tests @ \$8.00 each 32.00
Aft. & Night:	Hole terminated, standby time aft. & night shifts: Man/hrs.: 6 hrs. X 8 men @ \$6.75/hr. 324.00 Supervisor: B. Marcil: 4 hrs. @ \$6.75/hr. 27.00
Feb. 6-70 Day	Delay waiting for tractor to move: Man/hrs.: 3½ hrs. X 6 men @ \$6.75/hr. 141.75 Supervisor: B. Marcil: Man/hrs.: 2 hrs. @ \$6.75/hr. 13.50 Move from hole Y-2A to Y-6 Man/hrs.: 4 hrs. X 2 men @ \$6.75/hr. 54.00 ½ hr. X 2 men @ \$6.75/hr. 6.75 Supervisor: B. Marcil: 2 hrs. @ \$6.75/hr. 13.50 Setting up on hole Y-6 Man/hrs.: 2½ hrs. X 2 men @ \$6.75/hr. 33.75 ½ hr. X 2 men @ \$6.75/hr. 6.75 Supervisor: B. Marcil: 2 hrs. @ \$6.75/hr. 13.50



ROCKLAND CONTRACTORS LTD.

DIAMOND DRILLING CONTRACTORS

8406
ONTARIO STREET - VANCOUVER 15, B.C. - TELEPHONE 327-9113
327-9724

TO .

DATE

INVOICE NO. RCL-70-24

TERMS

JOB NO.

Page (2)

	Install 2,500 ft. of water line - hole Y-6		
	R. Marcil and O. Marcil		
	Man/hrs.: 12 hrs. X 2 men @ \$6.75/hr.	\$	162.00
Feb.7-70 Aft.	Acid test at 100 feet		8.00
Feb.8-70 Night	Acid test at 200, 300, feet		
	2 tests @ \$8.00/ea.		16.00
	Hole terminated, pull casing		
	Man/hrs.: 2 hrs. X 2 men @ \$6.75/hr.		27.00
	Machine rental: 2 hrs. @ \$6.00/hr.		12.00
	Standby time - night shift:		
	Man/hrs.: 4 hrs. X 2 men @ \$6.75/hr.		54.00
Feb.9-70 Day	Tear down, move, set up hole Y-9: Move:		
	Man/hrs.: 4 hrs. X 4 men @ \$6.75/hr.		54.00
	Supervisor: B. Marcil: Man/hrs.: 2 hrs. @ \$6.75/hr.		13.50
	Set up: Man/hrs.: 4 hrs. X 3 men @ \$6.75/hr.		81.00
	Supervisor: B. Marcil: Man/hrs: 1 hr. @ \$6.75/hr.		6.75
	Drain and remove 2,600 feet of waterline		
	Man/hrs.: 18 hrs. @ \$6.75/hr.		121.50
Feb.11-70 Day	Acid tests at 100 feet		8.00
Feb.11-70 Aft.	Water truck break down delay:		
& night	Man/hrs.: 4 hrs. X 2 men @ \$6.75/hr.		54.00
	8 hrs. X 2 men @ \$6.75/hr.		108.00
Feb.12-70	Acid tests at 200' - 300':		
	2 tests @ \$8.00/each		16.00
	Drilling halted by D. Gallen, move drill to camp yard:		
	Moving & standby time:		
	Man/hrs.: 46 hrs. @ \$6.75/hr.		310.50
<u>Machine No. 1</u>			
Feb.1-70	Hole Y-4 stopped by engineer:		
	Standby time night shift:		
	Man/hrs.: 8 hrs. X 3 men @ \$6.75/hr.		162.00
Feb.2-70	Standby time: awaiting opening of road to hole Y-5		
	Man/hrs.: 6 hrs. X 9 men @ \$6.75/hr.		364.50
Feb.2-3-70	Tear down, move and set up on hole Y-5		
	Man/hrs.: 2 hrs. X 9 men @ \$6.75/hr.		121.50
	6 hrs. X 6 men @ \$6.75/hr.		243.00
	Delay waiting for water truck:		
	Man/hrs.: 2 hrs. X 6 men @ \$6.75/hr.		81.00
	8 hrs. X 4 men @ \$6.75/hr.		216.00



ROCKLAND CONTRACTORS

DIAMOND DRILLING CONTRACTORS

LTD.



ONTARIO STREET - VANCOUVER 15, B.C. - TELEPHONE 327-9113
327-9724

TO .

DATE

INVOICE NO. RCL-70-24

TERMS

JOB NO.

Page (3)

Feb.4-70	Delay, waiting for water trucks and tanks: Man/hrs.: 8 hrs. X 8 men @ \$6.75/hr.	\$ 432.00 ✓
Feb.5-70	Delay waiting for water truck: Manhrs.: 8 hrs. X 8 men @ \$6.75/hr. Supervisor: Man/hrs.: 4 hrs. @ \$6.75/hr.	432.00 ✓ 27.00
Feb.6-70 Day	Delay waiting for water: Man/hrs.: 5 hrs. X 2 men @ \$6.75/hr.	67.50
Aft.	Delay waiting for water: Man/hrs.: 2 hrs. X 2 men @ \$6.75/hr.	27.00
Night	Delay waiting for water: Man/hrs.: 2 hrs. X 2 men @ \$6.75/hr. Labour supplied on water truck: Manhrs: 12 hrs. @ \$6.75/hr.	27.00 ✓ 81.00 ✓
	Ream casing in bedrock from 22' - 32' Man/hrs.: 6 hrs. X 2 men @ \$6.75/hr. Machine rental: 6 hrs. @ \$6.00/hr. Diamond usage: 10 feet @ \$2.40/ft.	81.00 36.00 24.00 8.00
Feb.7-70 Aft. Day & Night	Acid test at 100 feet Labour supplied on water truck: Man/hrs.: 12 hrs. X 2 men @ \$6.75/hr.	162.00 ✓
Feb.8-70 Day & Night	Labour supplied on water truck: Man/hrs.: 12 hrs. X 2 men @ \$6.75/hr.	162.00 ✓
Feb.9-70 Day	Acid test at 200 feet	8.00
Night	Acid test at 300 feet	8.00
Day & Night	Labour supplied on water truck Man/hrs.: 8 hrs. X 2 men @ \$6.75/hr.	108.00 ✓
Feb.10-70 Day	Pull casing hole Y-5 Man/hr.: 2 hrs. X 2 men @ \$6.75/hr. Machine rental: 2 hrs. @ \$6.00/hr.	27.00 12.00
Feb.11-70 Night	Acid test at 100' Delay lack of water: Man/hrs.: 2 hrs. X 2 men @ \$6.75/hr. Machine standby: 2 hrs. @ \$6.00/hr. Labour supplied on water truck: Man/hrs.: 8 hrs. @ \$6.75/hr.	8.00 27.00 ✓ 12.00 ✓ 54.00 ✓
Feb.12-70	Delay waiting for water truck: Work halted by D. Gallen Man/hrs.: 8 hrs. X 8 men @ \$6.75/hr. Supervisor: B. Marcil: 8 hrs. @ \$6.75/hr.	432.00 ✓ 54.00 ✓
		<u>\$21,384.35</u>



ROCKLAND CONTRACTORS

LTD.

DIAMOND DRILLING CONTRACTORS

8406

ONTARIO STREET - VANCOUVER 15, B.C. - TELEPHONE 327-9113
327-9724

TO .

DATE

INVOICE NO. RCL-70-24

TERMS

Page (4)

JOB NO.

— Carried forward		\$21,384.35	—
Jan. 23-70	Inv. 2911 - P & B Transport Ltd.		
	Standby time - waiting orders from client to unload equipment.		
	Standby time: 24 hrs. @ \$16.50/hr.	396.00	
	Whitehorse expenses: \$53.15		
	Less 18.00		
	<u>\$35.15</u>	35.15	
	Rooms paid by C. Watson re truck drivers on standby time:		
	Whitehorse Travelodge	36.00	
	To air fare - re 11 men from Whitehorse to Vancouver:		
	11 fares @ \$83.00/ea.	913.00	—
	Travelling time allowed:		
	8 hrs. X 11 men = 88 hrs. @ \$6.75/hr.	594.00	
	To expenses incurred re employees travelling in personal cars:		
(A. Marcil)	Car allowance: 1700 miles @ \$.10/mile	170.00	
	Meals expenses:	17.60	
(O. Marcil)	Meal expenses	3.75	
(C. Marcil)	Meal expenses and taxi fare	20.60	
(G. Tremblay)	Meal expenses	13.30	
— (P. Vaillancourt)	Meal & taxi fare expenses	<u>11.15</u>	—
	INVOICE TOTAL	<u>\$23,594.90</u>	



ROCKLAND CONTRACTORS

DIAMOND DRILLING CONTRACTORS

LTD.

XXXX
5000

~~XXXXXXXXXXXX~~ - ~~XXXXXXXXXXXX~~ - TELEPHONE 327-9113
1455 Howe St., Vancouver 1, B.C. **327-9724**

TO • Yreka Mines Limited
#333 - 885 Dunsmuir St.,
• Vancouver, B.C.

DATE March 4-70 INVOICE NO. RCL-70-29

TERMS

• Period: Feb. 13-70 - Feb. 20-70

JOB NO.

Re: Surface contract #70-02 - Whitehorse

COMPANY TIME:

Re: Demobilizing of job

Feb. 13-70:	To travelling time re employees traveling from job site to Whitehorse. 4 men X 8 hrs. @ \$6.75/hr.	\$ \$ 216.00
Feb. 14-15-70:	Travelling time re employees travelling by car Whitehorse to Vancouver: 8 hrs. X 4 men X 2 days = 64 man/hrs. @ \$6.75/hr.	432.00
Feb. 20-70	Travelling time = Vancouver to Whitehorse re demobilization as per D. Gallen directives 8 hrs. X 3 men @ \$6.75/hr.	162.00
Feb. 21-70	Travelling time Vancouver to Whitehorse re demobilization: 8 hrs. X 3 men @ \$6.75/hr.	162.00
Feb. 22-70	Travelling time Whitehorse to job site: Man/hrs.: 10 hrs. X 3 men @ \$6.75/hr.	202.50
Feb. 23-70	Tear down set up; haul drill & water tanks to the camp; load truck: Man/hrs.: 10 hrs. X 3 men @ \$6.75/hr.	202.50
	To materials left in hole #Y-12: 14 feet of BW casing @ \$5.95/ft.	83.30
	BX Impregnated casing shoe #M109-164 left in hole #Y-12	97.75
Feb. 24-70	Finish loading equipment and trailer: drive to Whitehorse Man/hrs.: 12 hrs. X 3 men @ \$6.75/hr.	243.00
Feb. 25-70	Unload equipment at Rockland shop in Whitehorse: Man/hrs.: 9 hrs. X 3 men @ \$6.75/hr.	182.25
Feb. 26-70	Sort out and place demobilized equipment in Rockland shop at Whitehorse: Man/hrs.: 9 hrs. X 3 men @ \$6.75/hr.	182.25
Feb. 27-29-70:	Travel from Whitehorse to Vancouver: Man/hrs.: 10 hrs. X 3 men @ \$6.75/hr.	202.50
	To personal car expense B. Marcil travel from Vancouver to job site, transport men to and from job: B. Marcil: 3,720 mi. @ \$.10/mile	372.00
	To meals re 3 men during mobilization:	106.41
	To room expenses - Ben-Elle Motel	72.00
		<u>\$2,918.46</u>



ROCKLAND CONTRACTORS

DIAMOND DRILLING CONTRACTORS

LTD.

8406

~~8406~~ ONTARIO STREET - VANCOUVER 15, B.C. - TELEPHONE 327-9113
327-9724

TO . Yreka Mines Limited

DATE March 4-70 INVOICE NO. RCL-70-29

TERMS

JOB NO.

Page 2

Total forward		\$2,918.46
Rental charges of two water tanks @ \$100.00 ea. per month		200.00
Feb.4-70:	Weld skids and mount tanks on above units	
	Invoice 35-21: Yukon Territorial Ventures	100.00
Feb.4-70	Modification of water tanks to oil heating:	
	Invoice 35-22 - Yukon Territorial Ventures	55.00
Feb.14-70	Rental of water truck: Feb. 6-13, 1970:	
	Invoice 35-39: Yukon Territorial Ventures	400.00
Feb. 4-70	Tire chains destroyed on water truck, gas supplied, driver wages:	
	Invoice 35-40: Yukon Territorial Ventures	146.60
Feb. 5-70	5-ton 4 X 4 water truck, gas supplied & labour supplied:	
	Invoice 35-41: Yukon Territorial Ventures	<u>105.50</u>
	INVOICE TOTAL	<u><u>\$3,925.56</u></u>

Winter Tractor Roads

10 mi.

55 mi.



3°30'

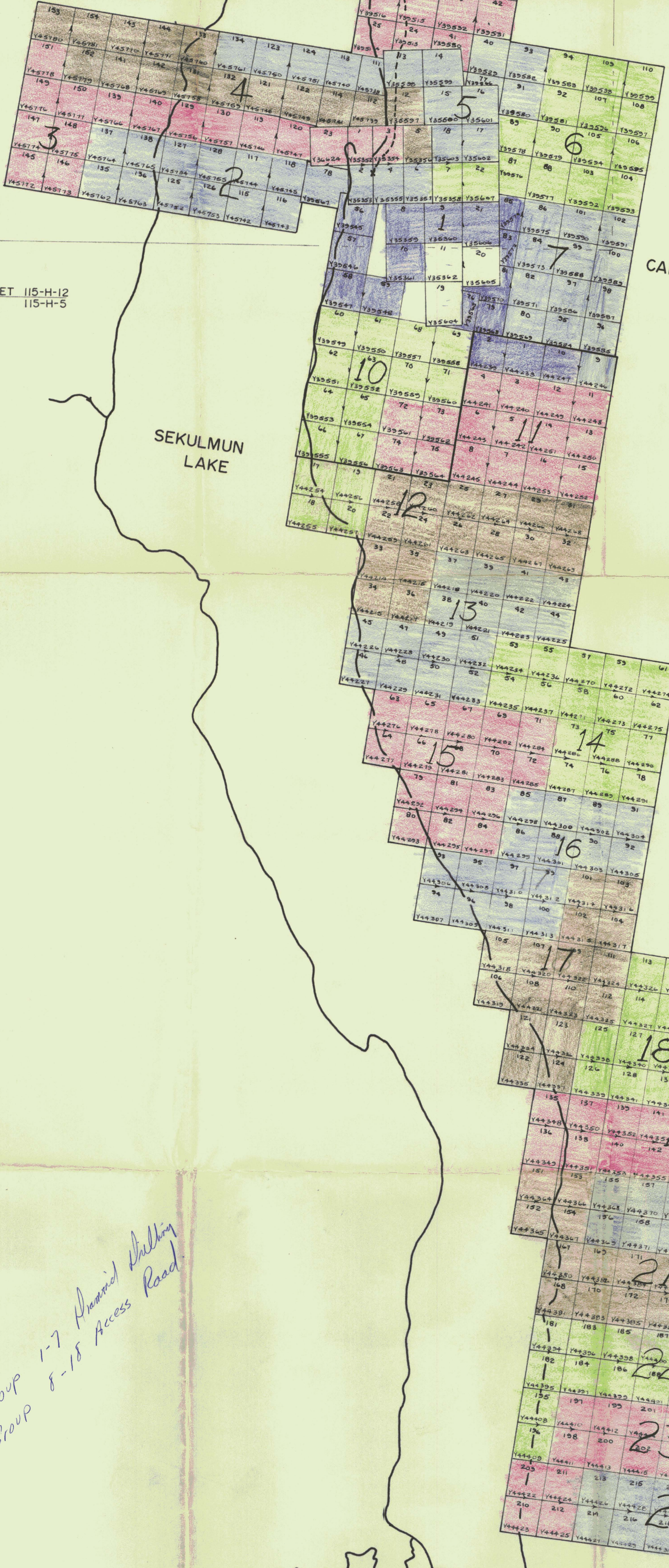
61°30'

CLAIMS SHEET 115-H-12
115-H-5

SHEET 115-H-12
115-H-5

CAD GROUP

GEM GROUP



SEKULMUN LAKE

Group 1-7 Diamond Drillings
Group 8-15 Access Road

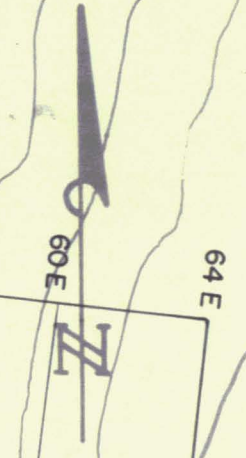
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R.G.HILKER LTD.
CONSULTING GEOLOGIST
WHITEHORSE, Y.T.

CREST DEVELOPMENT
SEKULMUN LAKE
CAD & GEM CLAIMS LOCATION
SHEETS 115-H-12 & 115-H-5

SEKULMUN LAKE

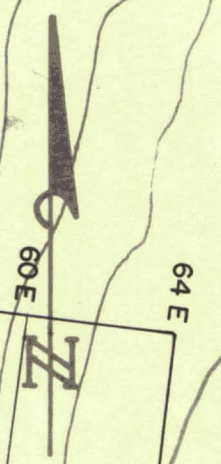
LAKE ELEVATION = 3000 feet



CALTOR SYNDICATE
YREKA MINES LTD
D. D. HOLE LOCATION
DATE - JAN-19-70 SCALE - 1" = 400'

SEKULMUN LAKE

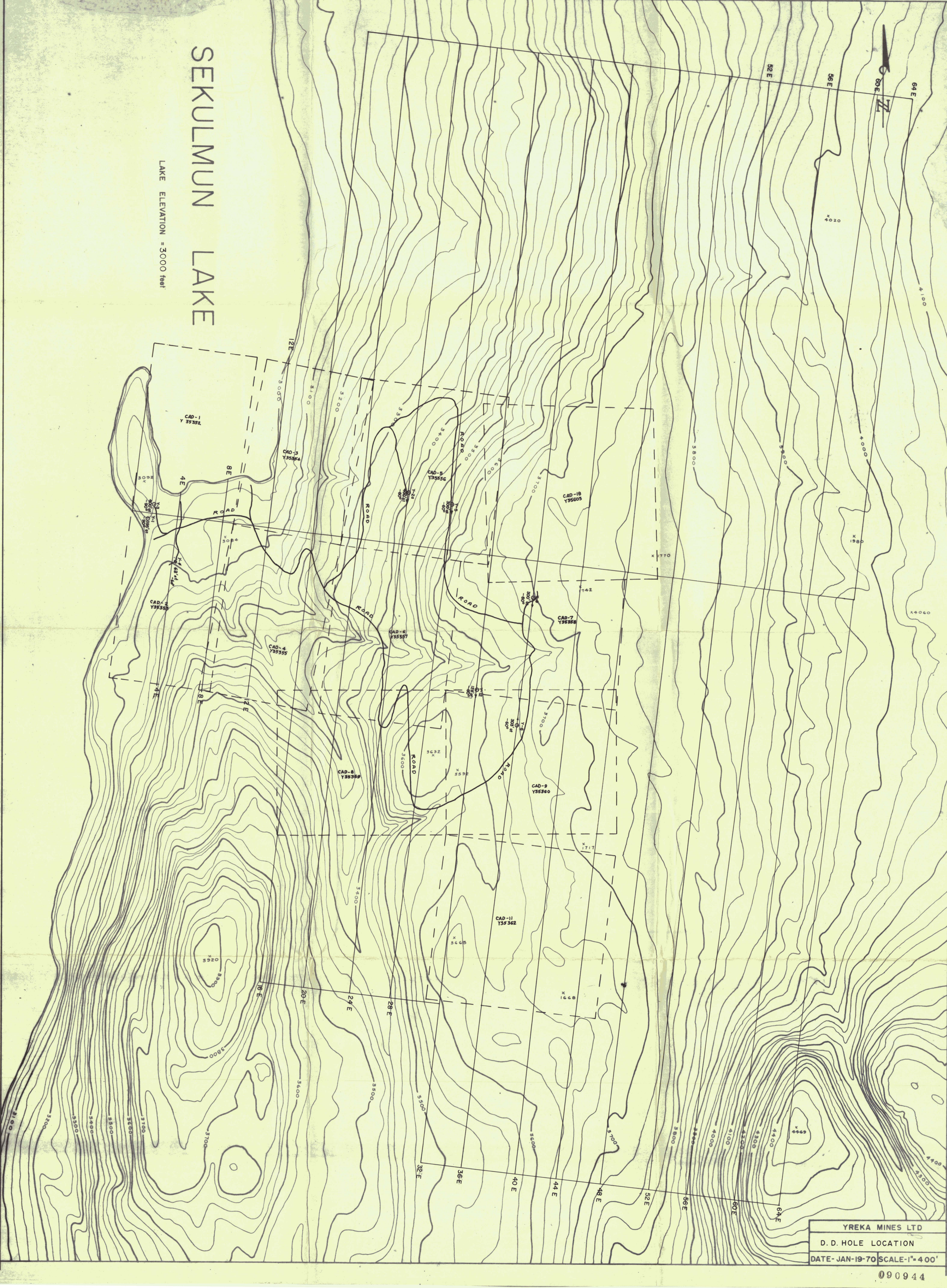
LAKE ELEVATION = 3000 feet



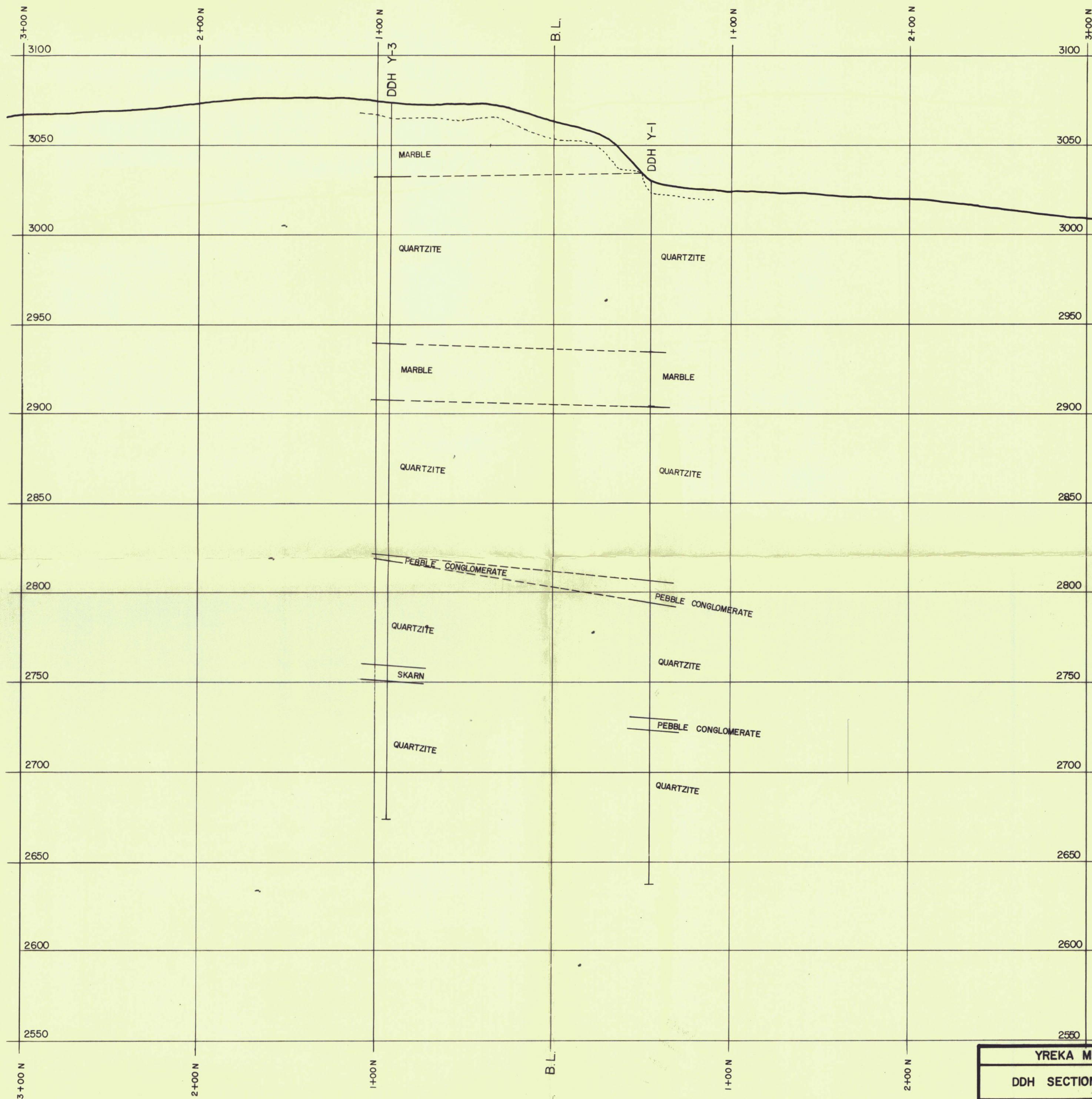
CALTOR SYNDICATE
YREKA MINES LTD
D. D. HOLE LOCATION
DATE- JAN-19-70 SCALE-1"=400'

SEKULMUN LAKE

LAKE ELEVATION = 3000 feet

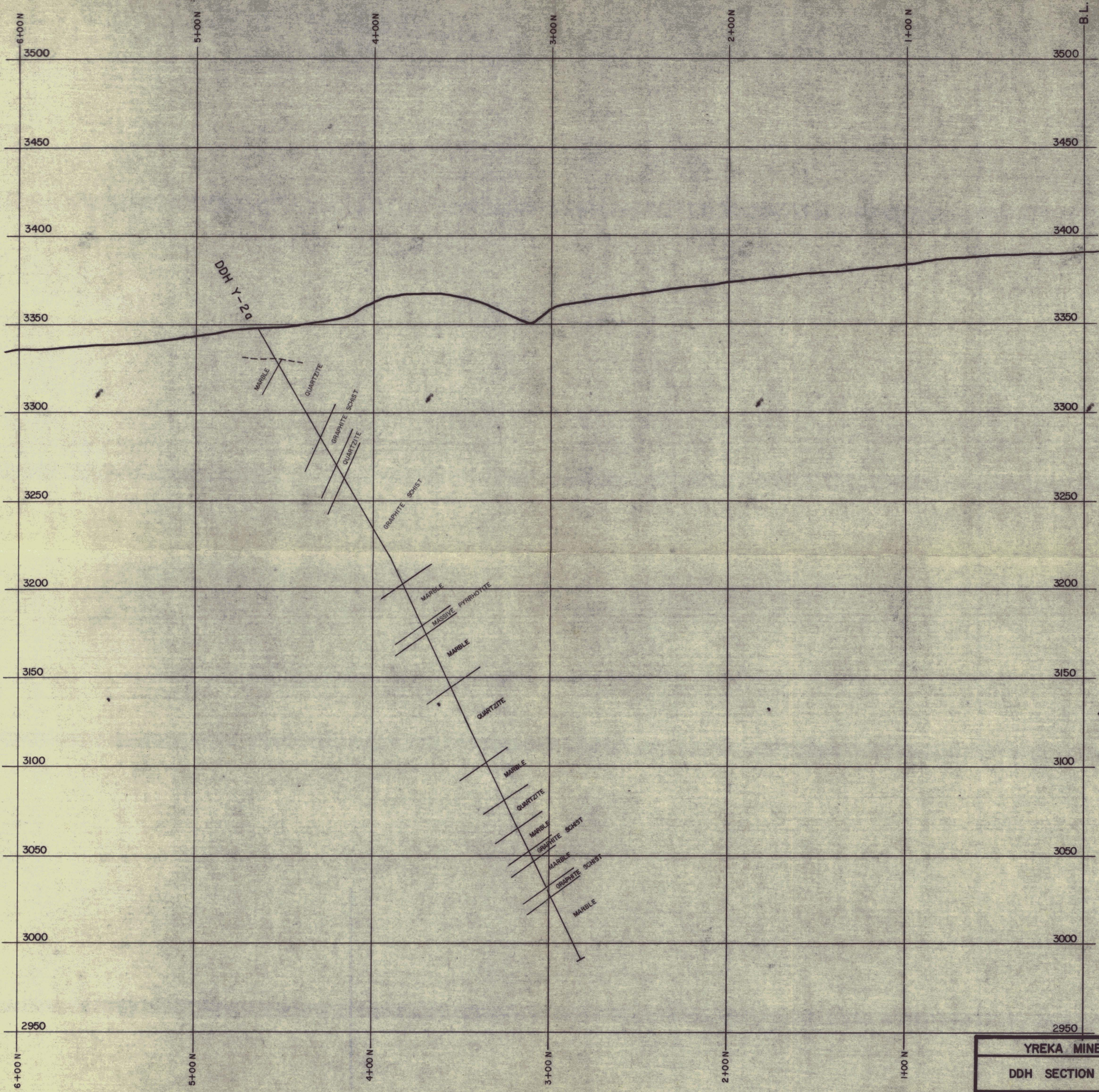


YREKA MINES LTD
D. D. HOLE LOCATION
DATE - JAN-19-70 SCALE - 1" = 400'



SECTION 1 + 50 E

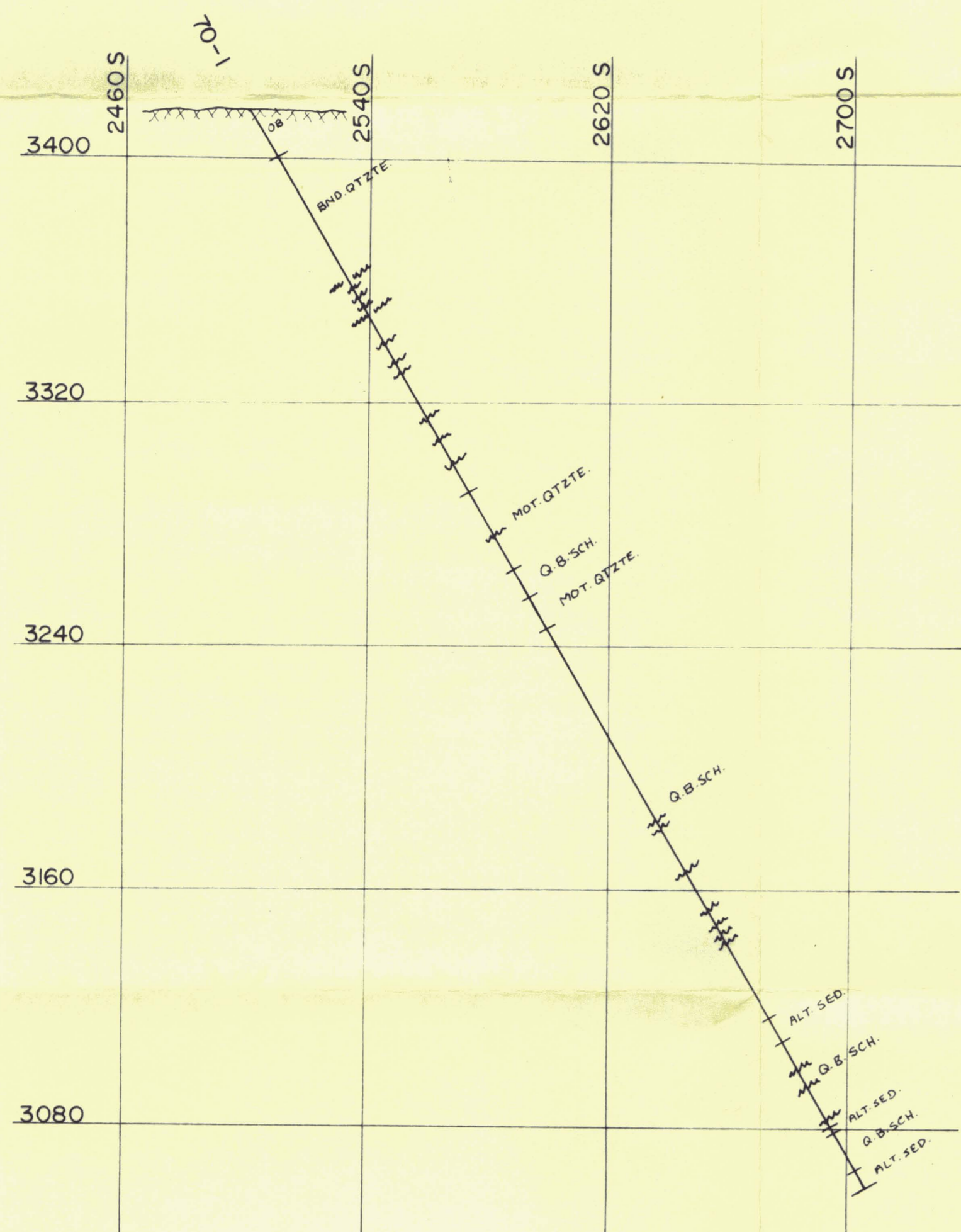
YREKA MINES LTD.	
DDH SECTION 1+50 E	
Date: 20 FEB/70	Scale: 1" = 40'
R.G. HILKER LTD. CONSULTING GEOLOGIST WHITEHORSE, Y.T.	



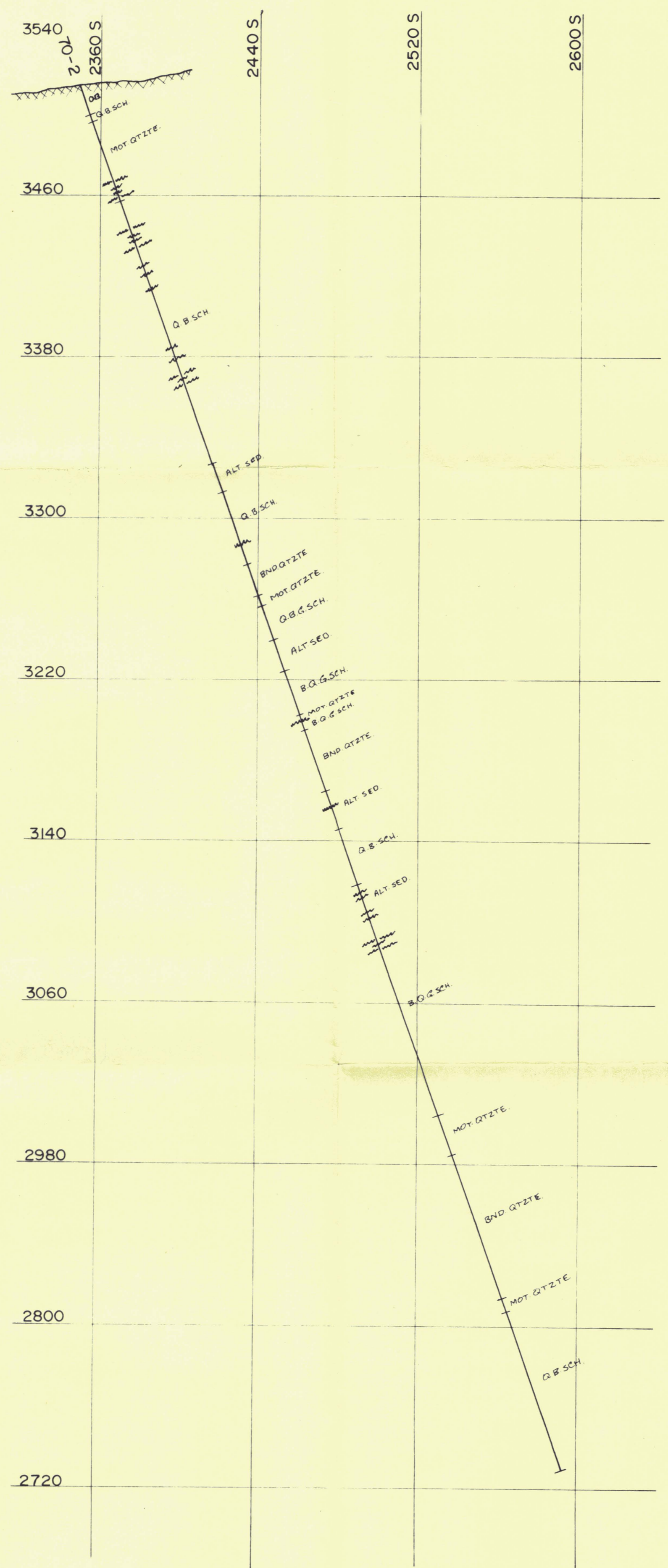
SECTION 24+00 E

YREKA MINES LTD.	
DDH SECTION 28+00 E	
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R.G. HILKER LTD. CONSULTING GEOLOGIST WHITEHORSE, Y.T.	

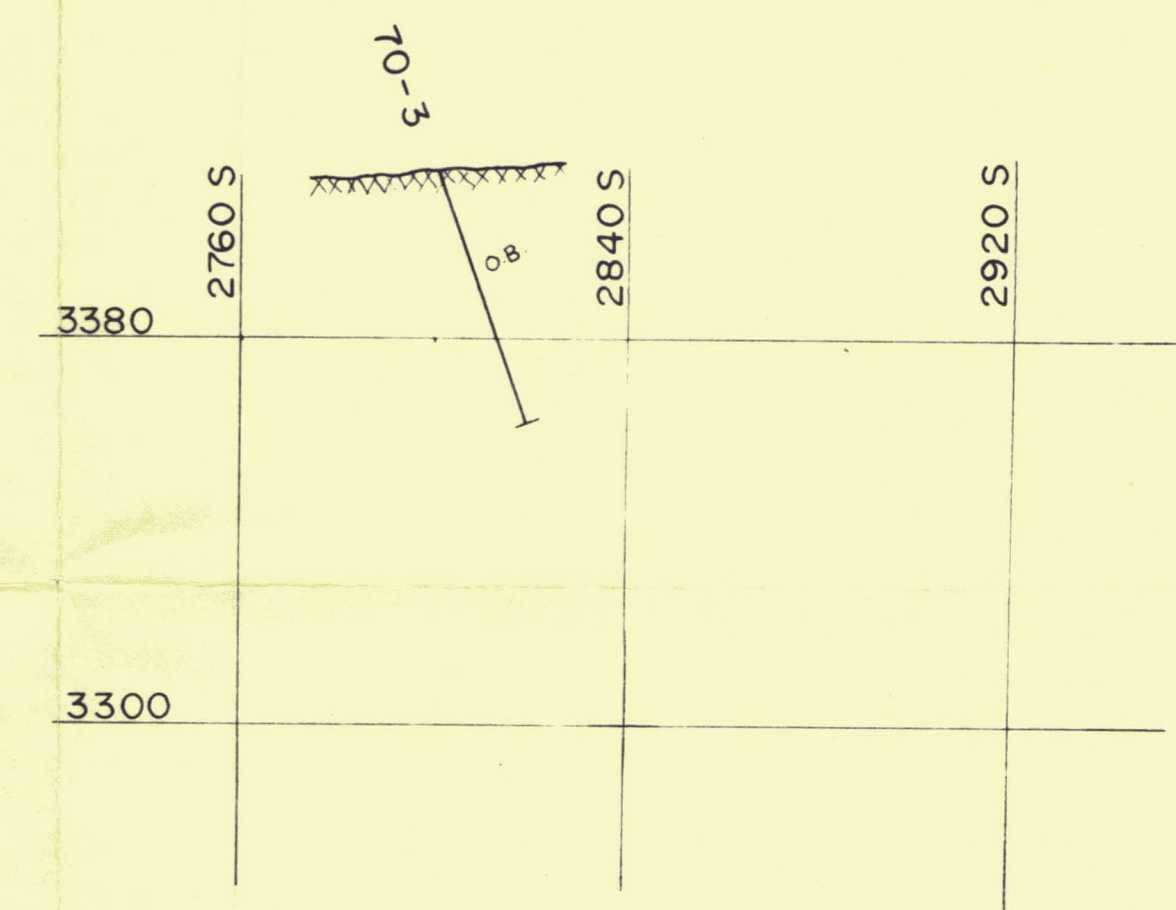
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SECTION 32 + 00 E



SECTION 48 + 00 E



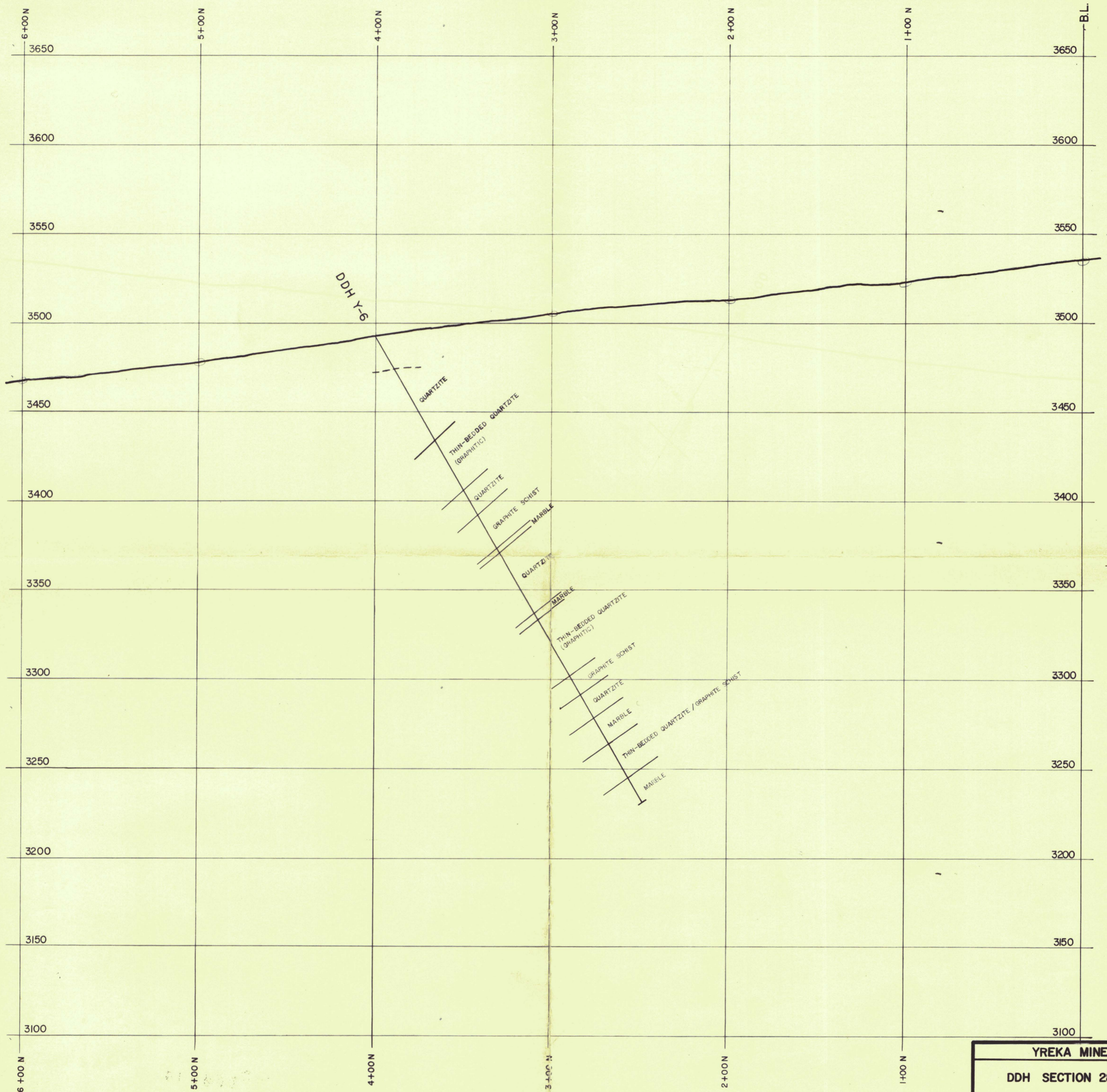
LEGEND AND ABBREVIATIONS

- fault
- ALT altered
- BND banded
- B biotite
- G garnet
- MOT mottled
- OB overburden
- Q quartz
- QTZTE quartzite
- SCH schist
- SED sediment

Note: All sediments assumed to be part of Precambrian / Paleozoic Yukon Group.

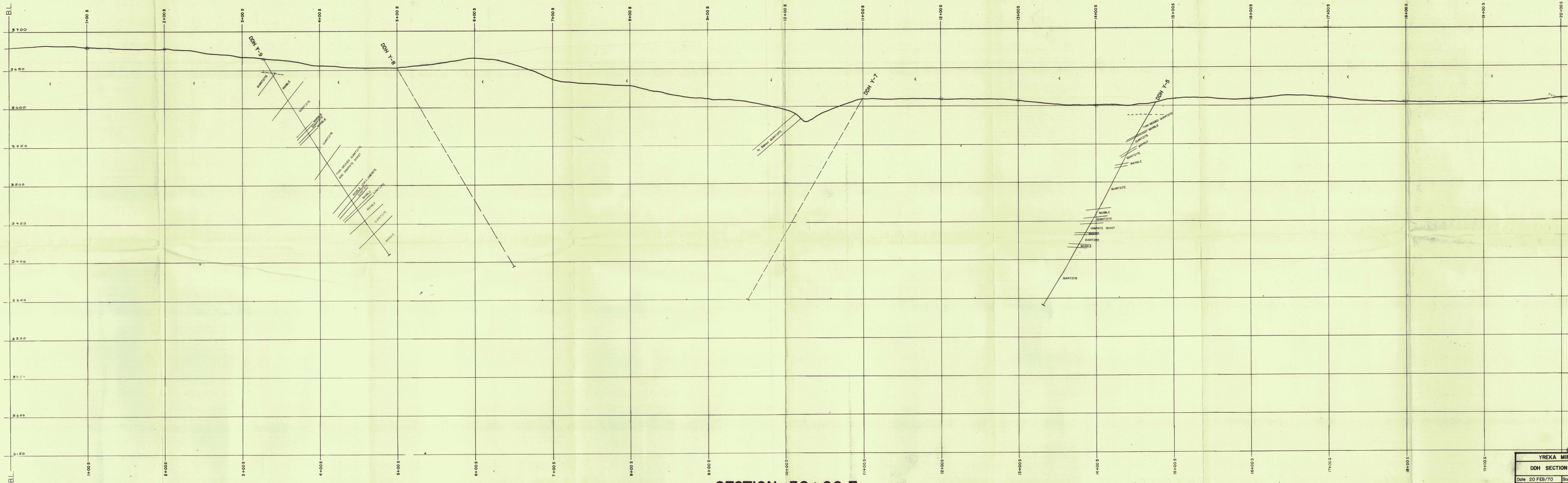
R. G. HILKER LTD.,
CONSULTING GEOLOGIST,
WHITEHORSE, YUKON

SEKUMUN LAKE CALTOR SYNDICATE		
SCALE: 1" = 40'	APPROVED BY:	DRAWN BY: GC.
DATE: MAR 8-71	R.G.H.	REVISED
DIAMOND DRILL HOLE SECTIONS		
		DRAWING NUMBER



SECTION 28+00 E

YREKA MINES LTD.	
DDH SECTION 28+00 E	
Date: 20 FEB/70	Scale: 1" = 40'
R.G. HILKER LTD. CONSULTING GEOLOGIST WHITEHORSE, Y.T.	090944



SECTION 36+00 E

090944

YREKA MINES LTD.	
DDH SECTION 36+00 E	
Date 20 FEB/70	Scale: 1" = 40'
R.G. MILKER LTD. CONSULTING GEOLOGIST WINTERVILLE, CALIF.	