332

REPORT

OF

SURFACE GEOLOGICAL MAPPING AND DIAMOND DRILLING

ON

GWYNETH LAKE PROPERTY

OF

HURLEY RIVER MINES LIMITED

HURLEY GROUPS 1,2,3 & 4

LOCATED

2½ MILES WEST OF BRALORNE, 50°; 122° N.W.;

LILLOOET MINING DIVISION

BY

WALTER E. CLARKE
CHIEF, DEPARTMENT OF EXPLORATION

RAYROCK MINES LIMITED.

Program Commenced June 23, 1960, Ended September 15, 1960.

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HURLEY RIVER MINES LIMITED

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		Gary	
		Randy	
		Monday	
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HURLEY RIVER MINES LIMITED

INTRODUCTION

Rayrock Mines Limited entered into an agreement 23rd June 1960, with Hurley River Mines Limited to carry out an exploration program on Hurley River's 56 claim group, 2½ miles west of Bralorne, B.C., Lat. 50° Long. 122° N.W. quadrant.

The exploration program, consisting of surface geological mapping and 1,835' of diamond drilling was commenced June 23rd. Diamond drilling was completed August 22nd, and final compilation of all data September 15th.

B. A. Nekrasov, M. Sc., Dipl. Eng., was the resident geologist in charge of operations.

SUMMARY AND CONCLUSIONS

Geological mapping was restricted to an area of 19 claims in the central section of the group, due to lack of outcrop. However, a reasonable outline of geological conditions in the immediate areas of diamond drilling was possible.

The quarts vein on claim DELL #3 is well exposed on surface and a number of exposures of the felsite dike on the GARY claim were examined. No surface outcrops were found along the shear zone west of the felsite dike. Initial diamond drilling by Hurley River Mines Limited indicated gold values in the shear zone and the felsite dike on the GARY claim.

Surface examination of these and other areas of mineralization and quarts veining indicated negligible gold values.

Diamond drilling was confined to the shear zone - felsite dike structure in the center of the GARY claim, and the quarts

vein on DELL#3 claim. Low gold values were obtained in both locations.

In view of the negative results indicated by the above work, despite the favourable geological location and conditions, further exploration does not appear to be warranted.

GENERAL GEOLOGY

The area under consideration lies to the southwest of an intrusive stock classified locally as the Bendor Diorite. Most of the claims are of moderate relief and are extensively covered with overburden. Outcrops are few, but systematic geological mapping of the available rock exposures allowed a reasonable interpretation of the geology in the areas of primary interest.

The mapped area covers a belt of steeply dipping, north-south striking, dolomitic limestones and argillites of the Hurley River series, interbedded with two massive flows of Pioneer greenstone. Later igneous activity resulted in the injection of several felsite dikes, dipping at 80° to 85° west and striking north south. Northerly and north easterly striking faults are indicated and in many locations the sediments are well sheared.

Prospecting has been carried out at various periods on several gold occurrences associated with narrow quartz and quartz stibnite veins trending north easterly and north westerly. One such vein on DELL#3 claim was drilled during the recent program. Main interest however, was shown in a strong shear zone striking parallel to and 80' west of the felsite dike located in GARY claim. Encouraging gold assays were reported by Hurley River Mines Limited from original diamond drilling, in the carbonate talc shear, and from strong shear

zones within the felsite dike itself. Mineralisation where encountered consisted of pyrrhotite, pyrite and arsenopyrite, but gold and silver assays were low.

DIAMOND DRILLING

Six diamond drill holes tested the carbonate talc shear and felsite dike along a strike length of 300' and to a maximum depth of 180'. Two holes in claim DELL #3 brought the total drilling footage to 1,835'.

Holes drilled on the GARY claim numbered S1, S3, S4, S5, S6 and S9 all intersected the felsite dike except hole S9 which encountered strongly faulted greenstone and was abandoned.

Hole S1

This was located to check vertically below holes drilled by Hurley River Mines Limited, where encouraging gold values were indicated. The carbonate talc zone was intersected over a width of seven feet at the greenstone sedimentary contact. Pyrite and pyrrhotite mineralisation were disseminated throughout the zone. Shearing and faulting were encountered close to the hanging wall contact of the felsite dike with accompanying pyrrhotite, pyrite and some arsenopyrite mineralisation. Gold values throughout the hole were negligible.

Holes S3 to S6 inclusive

These holes showed a similar rock succession to S1, the felsite dike intruding limestones and argillites of the Hurley River sediments. Strong faulting within the dike was noticed in each hole, but sulfide mineralisation within the

brecciated zones was weak. Gold values were consistently low.

Hole S9

This was abandoned at 173' on encountering strongly faulted greenstone. The carbonate talc shear zone weakened and entered the greenstones.

Holes S7 and S8

These two drill holes located on claim DELL #3, were drilled to check a quarts vein that had previously returned modest gold values in surface trenches. The holes intersected greenstone with interbanded limestone and quarts veining on the projected extension of the vein from surface. Apart from a three foot thickness of quarts in hole S8, veining was not strong and of low sulfide and gold content.

Detailed logs and cross-sections of diamond drill holes are apended to this report.

Respectfully submitted,

Walter E. Clarke

Walter E. Clarke, P. Eng.
Chief, Department of Exploration
Rayrock Mines Limited.

C E R T I F I C A T E

I, Walter Ernest Clarke, of the Town of Oakville, in the Province of Ontario, Canada, hereby certify:

1. That I am a B. Sc. graduate in Mineralogy and Geology at Queen's University (1939) and have practised in the mining profession for more than twenty years.

2. That I am a member of the Association of Professional Engineers of Ontario (1945).

3. That I have no personal interest, nor do I expect to receive any interest, directly or indirectly, in the property involved in this report, or in the securities of any company which may acquire the property.

4. That the report is based on supervision of the work over a period of four months.

Walter E. Clarke

Walter E. Clarke, B. Sc., P. Eng.

Oakville, Ontario
December 12, 1960.

BORIS A. NEKRASOV

I was born in 1918 in Petrograd (former St.Petersburg) now Leningrad, Russia, graduated from the Mining Institute the faculty of geology of the University of Leningrad in 1939. I was nominated as a diplomed Engineer Geologist by the Government Qualificational Commission of the Ministry of High Education of the USSR.

For my degree, M.Sc., I wrote my thesis on "Eophyton, Fucoid and Obolus sandstones in the district of Leningrad and Estonia", this my monography has been published in Russia (Bull. of the Moscow Naturalists' Society), in Germany (Jahrb. f. Geol. und Mineralogie, Geologische Gesellschaft, Stuttgart) and also in Bibliography and Index, Geological Survey of America, N.Y., 1939.

With the Department of Mines in Leningrad and Academy of Sciences of the USSR I was responsible as a Research Geologist mainly in Arctic Russia and in Eastern Siberia, for the structural, mining and engineering geology, carried out in these regions. I'm a Russian Canadian citizen.

EXPERIENCE RECORD IN CANADA

1958/60: Geologist in Charge - Genrico Nickel Mines Ltd.,Lynn Lake,Man.NWS Tr.,London. Assignments consisting of geological mapping and prospecting for nickel, cobalt, copper, titanium, iron. Supervising of technicians, geological interpretation of geophysical records, geologically selected sampling for assay, compiled of geol. sections maps, reports, planning and supervising the exploration drilling programme. Leaving because the exploration suspended.

1956/57: Geologist in Charge - Salmo Prince Mines and Associated Co., B.C.. Carried out geological mapping combined with geochemical prospecting mainly for copper and geophysical surveying. Supervising the exploration mining workings, open pits, blasting, trenching used by buldozers, compiled geological maps, reports etc.. Exploration was curtailed.

1955: Chief Party Geologist - Giant Mascot Mines Ltd., B.C.. Carried out geological mapping combined with geophysical surveying and prospecting for lead, zinc, silver, copper, gold, uranium, manganese and others. Loged and examined core from underground drilling, petrological studies of thinsections under microscope, compiled geol. sections maps, reports. Exploration ceased.

1954: Mining Geologist - Wells Gold Mines, B.C.. Underground geological mapping, loged core, samplingfor assay, supervising drilling, compiling sections maps, reports, planning drilling programme.
Geologist - Rexspar Uranium Mining and Smelting Co. Ltd., Montreal, Qué.. Engaged in geological mapping combined with geophysical surveying in the prospecting for uranium. Exploration ceased.

1953: Resident Engineer - National Research Council of Canada, Ottawa, Ont.. Carried out submarine diamond drilling programme. Duties entailed testing of inclinated holes used with Tro-Pari instrument. logging and examination of core, plotting of the results on graph. The programme was completed.

1951/52: Well Site Geologist - Husky Oil & Ref. Co., Lloydminster, Sask.. Examination of screen samplesunder microscope, loged core, oil and gas test, geological interpretation of electric well logs, radiactivity, gamma ray, seismic etc., compiled geol. reports, section/maps, programme. Exploration was reduced.

1950: Field geological officer - Geological Survey of Ca nada, Ottawa, Ont..

(Signed) B Nekrasov

Address: B.A. Nekrasov, Dipl. Eng. Geologist, M.C.I.M.M.,
P.O. Box 214, Adelaide St., Toronto I, Ont..

Company RAYROCK MINES LIMITED

Drill Hole Log

Dip Tests

At ..... Ft. .....
At ..... Ft. .....
At ..... Ft. .....
At ..... Ft. .....
At ..... Ft. .....
At ..... Ft. .....

Property Hurley River
At Goldbridge, B.C.
Claim No. Gary
Working Place Gwyneth Lake
Baseline Footage 800' North
Baseline Offset 230' East
Date Started June 21, 1960
Date Completed June 29, 1960

Hole Number S-1
Dip at collar 50 deg.
Length 287' 6"
Bearing N 85 E
Elev. Collar 3,085'
Horiz. Trace 188.0"
Vert. Trace 220.0"
Date Logged June 21, to 29th.

FROM	TO	DESCRIPTION	SAMPLE NUMBER	ASSAY
0	17.0	CASING		
		Overburden, Boulders, Sandy Clay, Broken Rock.		
17.0	117.0	GREENSTONE - Grey greenish, massive, somewhat quartz veinleted.		
		Chlorite, mica, epidote some garnet are common minerals.		
		Broken slumpsed core in the interval, 114 - 116. Fault.		
117.0	120.4	GREENSTONE with strongers of talc.		
120.4	127.4	TALC, light green, soft schistose with powdered white ankerite		
		carbonate.		
127.4	179.0	DOLOMITIC LIMESTONE - Dark grey; dense argellaceous coincidal with		
		blebs of pyrrhotite and pyrite in minor.		
179.0	189.0	ARGILLITE black schistose interbedded with dolomite.		
189.0	199.0	ARGILLITE interbedded with limestone, somewhat sheared.		
		Sparse dissemination of sulfides were seen in the core.		
199.0	206.6	DOLOMITIC LIMESTONE - Light grey, buffy, dense, mainly pyrrhotite,		
		some pyrite and occasional arsenopyrite in minor are		
		ununiformably disseminated throughout the core.		
206.0	216.0	ARGILLITE - interbedded with buffy grey dolomite, somewhat thin		
		END OF HOLE quartz veinleted in place.		

Logged by .....

Company RAYROCK MINES LIMITED

Drill Hole Log

Date Logged _____ Hole Number S-1 Sheet Number 2

CROSS SECTION	FROM	TO	DESCRIPTION	SAMPLE NUMBER	ASSAY
	216.0	223.8	DOLOMITIC LIMESTONE - with feldspar and quarts veinleted in place. It is grey, dense and interbedded with argillite. No important mineralization was noticed.		
	223.8	239.5	FELSITE - whitish dense, massive. Sparse dissemination mainly pyrite, pyrrhotite and arsenopyrite in minor. Occasional films of sulfides along the jointing at angle 70 to 80 degrees to the axe of the core.		
	239.5	245.4	VOLCANIC ROCK - dark grey, dense, massive and occasional epidote. No important mineralization seen in the core.		
	245.4	259.0	FELSITE - light grey, whitish, dense, massive. Ununiformly distributed, sparse dissemination of sulfides.		
	259.0	265.6	GANGUE, grey, soft, decomposed felsite. No substantial sulfides in the core. Sparse occasional dissemination of sulfides were noticed in certain small portion of the intersection.		
	259.0	265.6			
	265.6	287.6	FELSITE - whitish, dense, sheared in part, some thin quarts veinleted. Chlorite, serpentine and bright emerald-green secondary mineral (probably maufite) Very sparse, occasional dissemination of sulfides.		
			At depth of 287.6 END OF HOLE		
			17' of casing left in hole.		
	REMARKS		The gangue of decomposed felsite has been intersected in the intervals of 269.4 - 269.8 Fault		
			273.0 - 273.4 Fault		

Logged by B. A. Nekrasov

Company RAYROCK MINES LIMITED

Drill Hole Log

Dip Tests

At ..... Ft. .....
At ..... Ft. .....
At ..... Ft. .....
At ..... Ft. .....
At ..... Ft. .....
At ..... Ft. .....

Property Hurley River
At Gold Bridge, B.C.
Claim No. Gary
Working Place Gwyneth Lake
Baseline Footage 900' North
Baseline Offset 225' East
Date Started July 4, 1960
Date Completed July 8, 1960

Hole Number S-3
Dip at collar 50 deg.
Length 255 ft.
Bearing N 85 E
Elev. Collar 3,075'
Horiz. Trace 163'
Vert. Trace 185'
Date Logged July 8, 1960

FROM	TO	DESCRIPTION	SAMPLE NUMBER	ASSAY
0	16.0	CASING - Boulders, sandy clay, broken rocks.		
16.0	19.6	SEDIMENTS - Limestone, grey with blebs of pyrrhotite.		
19.6	71.7	GREENSTONE - grey greenish, micaceous, chlorite, epidote, some quartz veinleted in place. No important mineralization seen in the core.		
71.7	79.7	SEDIMENTS - Limestone, grey dense crystalline, occasional tiny grains of pyrrhotite.		
79.7	82.6	FELSITE - Light grey whitish dense, some quartz veinleted, rusty in place. No substantial sulfide mineralization.		
82.6	85.6	- Felsite, light grey, rusty in places. Somewhat sheared, fractured fissured, mainly pyrite and arsenopyrite in minor.		
85.6	91.6	FELSITE - Light grey, somewhat micaceous. Occasional fissured sulfides.		
91.6	100.0	FELSITE - Light grey, whitish, brecciated in place, micaceous, white powdered ankerite carbonate, very sparse dissemination of tiny crystals of pyrite and arsenopyrite in minor. Approx. 80% recovery.		
		END OF HOLE		

Logged by .....

Company RAYROCK MINES LIMITED

Drill Hole Log

Date Logged ..... Hole Number S-3 Sheet Number 2

CROSS SECTION	FROM	TO	DESCRIPTION	SAMPLE NUMBER	ASSAY
	100.0	105.0	VOLCANIC ROCK - dark grey, dense, tuffaceous, amigdules of epidote, chlorite, quartz, feldspar. No sulfides.		
	105.0	119.0	GANGUE - Light grey, very soft, consisting of decomposed felsite intersected with brecciated felsite. Slickensides are well developed. 75% recovery. Fault. No important mineralization was seen in the core.		
	119.0	134.0	FELSITE - Light grey, dense, some quartz veinleted. Occasional tiny blebs mainly of pyrite.		
	134.0	165.0	FELSITE - Light grey, dense, some quartz veinleted. Occasional crystals of pyrite and arsenopyrite in minor.		
	165.0	255.0	SEDIMENTS - Dolomitic limestone, dark grey, blackish, porous cavernous, somewhat silicified and quarts veinleted in places. Interbedded with black argillite. Bedding mainly 60 deg. to the axis of the core. Occasional tiny crystals and small blebs of pyrite.		

Logged by B. A. Nekrasov.

Company RAYROCK MINES LIMITED

Drill Hole Log

S-4

Dip Tests

At ..... Ft. .....
At ..... Ft. .....
At ..... Ft. .....
At ..... Ft. .....
At ..... Ft. .....
At ..... Ft. .....

Property Hurley River — Hole Number
At Gwyneth Lake, Bralorne, B.C. — Dip 60 degrees
Claim No. Gary — Length 265 ft.
Working Place Gwyneth Lake — Bearing N 85 E
Baseline Footage 890' North — Elev. Collar
Baseline Offset 205' East — Horiz. Trace 133 ft.
Date Started July 29, 1960 — Vert. Trace 228 ft.
Date Completed Aug. 4th, 1960 — Date Logged Aug. 4th, 1960

FROM	TO	DESCRIPTION	SAMPLE NUMBER	ASSAY
0	9.0	CASING		
9.0	64.2	LIMESTONE - Dark grey argellaceous somewhat calcite, single crystals of pyrite and pyrrhotite.		
64.2	99.6	GREENSTONE - Light grey, slightly greenish, strongly altered. White powdered ankerite carbonates, talcose and silicified quartz. Sporadical tiny crystals of sulfides.		
99.6	104.2	TALC - Light gey, greenish, massive soapy schistose. Occasional tiny crystals of sulfides.		
104.2	123.0	LIMESTONE - Grey, dense, interbedded with talc, up to 6" thick. No important mineralization.		
123.0	146.6	LIMESTONE - Dark grey, blackish, argellaceous. Sporadical tiny crystals of sulfides.		
146.6	151.6	LIMESTONE - Grey, darkish pinkish, well impregnated with pyrrhotite.		
151.6	167.3	FELSITE - Light grey, dense, pinkish, pyrrhotitic.		
167.3	174.6	LIMESTONE - Grey, dense, impure.		
174.6	180.6	GREENSTONE - impure, intersected with argellaceous limestone.		
		END OF HOLE		

Logged by .....

Company RAYROCK MINES LIMITED

Drill Hole Log

Date Logged ..... Hole Number S-4 Sheet Number 2

CROSS SECTION	FROM	TO	DESCRIPTION	SAMPLE NUMBER	ASSAY
	180.6	190.0	LIMESTONE - Grey, argellaceous.		
	190.0	196.0	LIMESTONE - Intersected with talcose ankeritic schist and stringers of felsite up to 4" thick. No mineralization.		
	196.0	217.6	LIMESTONE - Dark grey blackish, argellaceous calcite pyrrhotite.		
	217.6	224.2	FELSITE - Light Grey, dense, sperse and spoadical crystals of sulfides. Some patches of bright greenish secondary mineral (mariposite).		
	224.2	236.0	FELSITE - Light grey, dense, some mariposite, sporadical crystals of sulfides. Intersected with gangue of grey, soft, sandy, decomposed, faulted felsite.		
	236.0	244.0	VOLCANIC ROCK - Dark grey, fine crystalline, somewhat chloritic, occasional epidote.		
	244.0	265.0	FELSITE - Faulted, light grey, dense, intersected with gangue of light grey, sandy, soft, silty decomposed felsite.		
			Abandoned at 265 because of strong squeezed caving.		

Logged by B. A. Nekrasov

Company RAYROCK MINES LIMITED

Drill Hole Log

Hurley River.
Bralorne, B.C.

Property

Hole Number S-5

Dip Tests

At Ft.
At Ft.
At Ft.
At Ft.
At Ft.
At Ft.

At

Claim No. Gary

Working Place Gwyneth Lake

Baseline Footage 1,000' North

Baseline Offset 245' East

Date Started August 6, 1960

Date Completed Aug. 8, 1960

Dip 60 Degrees

Length 150 ft.

Bearing N 85 E

Elev. Collar

Horiz. Trace 78 ft.

Vert. Trace 130 ft.

Date Logged Aug. 9, 1960

FROM	TO	DESCRIPTION	SAMPLE NUMBER	ASSAY
0	21.0	CASING Overburden. Broken up rocks, slump.		
17.0	23.0	GREENSTONE - Unaltered, somewhat sheared.		
23.0	33.0	GREENSTONE - Schist soapy talcose. Intersected with black argillaceous limestone containing sparse disseminated sulfides.		
33.0	71.6	LIMESTONE - Grey, slightly pinkish, pyrrhotitic.		
71.6	83.10	FELSITE - Light grey, pinkish. Blebs of pyrrhotite and occasional patches of pyrite and arsenopyrite.		
83.10	88.0	GREENSTONE - Schist, light pale grey, greenish, soapy talcose, somewhat ankeritic.		
88.0	100.0	GREENSTONE - Schist, light pale grey, impure.		
100.0	115.0	FELSITE - Common, thin quartz veinleted maripositic. Blebs and films, patches of arsenopyrite and some pyrite.		
115.0	121.0	VOLCANIC ROCK - Dark grey, fine crystalline to dense cavernous.		
121.0	123.6	FELSITE - Faulted mariposite, quartz veinleted with blebs and disseminated sulfides. Intersected with gangue consisting of sandy decomposed felsite.		
		END OF HOLE		

Logged by

Company RAYROCK MINES LIMITED

Drill Hole Log

Date Logged ..... Hole Number S-5 Sheet Number 2

CROSS SECTION	FROM	TO	DESCRIPTION	SAMPLE NUMBER	ASSAY
	123.6	146.0	FELSITE - Faulted. Badly broken slumpsed core.		
			Sporadical blebs and disseminated sulfides.		
	146.0	150.0	FELSITE - Gangue, consisting of soft sandy decomposed		
			felsite.		
			Hole was abandoned because of strong caving.		

Logged by E. A. Nekrasov.

Company RAYROCK MINES LIMITED

Drill Hole Log

Dip Tests

At ..... Ft. .....
At ..... Ft. .....
At ..... Ft. .....
At ..... Ft. .....
At ..... Ft. .....
At ..... Ft. .....

Property Hurley River
At Bralorne, B.C.
Claim No. Gary
Working Place Gwyneth Lake
Baseline Footage 1,000'
Baseline Offset 195' East
Date Started August 10th, 1960
Date Completed August 15, 1960

Hole Number S-6
Dip 60 degrees
Length 230 ft.
Bearing N 85 E
Elev. Collar .....
Horiz. Trace 112'
Vert. Trace 197'
Date Logged Aug. 15th, 1960

FROM	TO	DESCRIPTION	SAMPLE NUMBER	ASSAY
0	34.0	CASING - Boulders, sandy clay and broken rocks.		
11.6	42.8	GREENSTONE		
42.8	80.C	SEDIMENTS consisting of limestone black argellaceous, somewhat graphitic. Interbedded with greenstone schist and interformation conglomerate limestone containing pebbles of greenstone. Quartz veinleted in place. Sparse and sporadic dissemination of sulfides were seen in the core.		
70.0	99.0	LIMESTONE - black argellaceous laminated, silicified, interbedded with argellite schist. Sporadic blebs of sulfides mainly pyrrhotite.		
99.0	130.8	GREENSTONE - sparse dissemination and occasional films of pyrrhotite and pyrite confined by jointings.		
130.8	136.5	FELSITE - light grey, dense pinkish. Blebs patches of pyrrhotite and arsenopyrite in minor.		
136.5	156.10	LIMESTONE - light grey conglomerate.		
156.10	163.9	FELSITE - light grey pinkish with stringers of massive pyrrhotite.		
		END OF HOLE		

Logged by .....

Company RAYROCK MINES LIMITED

Drill Hole Log

Date Logged _____ Hole Number S-6 Sheet Number 2

CROSS SECTION	FROM	TO	DESCRIPTION	SAMPLE NUMBER	ASSAY
	163.9	167.6	limestone - light grey conglomerate.		
	167.6	177.6	FELSITE - light grey schistose faulted, dense, silicified, impure.		
	177.6	188.0	FELSITE - faulted light grey, dense, whitish with veinlets of green mariposite quartz. No sulfides. Badly broken and slumpsed core. Fault.		
	188.0	200.0	FELSITE - light grey, dense with quartz veinleted mariposite. Sporadic tiny crystals of sulfides.		
	200.0	207.8	VOLCANIC ROCK - dark grey porous fine crystaline. No sulfides.		
	207.8	221.0	FELSITE - light grey dense. Occasional crystals of sulfides.		
	221.0	230.0	FELSITE - light grey, dense. Sporadic tiny grains of sulfides. Quartz veinleted in place.		
			This hole abandoned because of strong caving in bady broken ground in the interval 131 - 207'. 30 ft. of casing has been lost in this hole.		

Logged by B. A. Nekrasov.

Company RAYROCK MINES LIMITED

Drill Hole Log

Dip Tests

At ..... Ft. .....
At ..... Ft. .....
At ..... Ft. .....
At ..... Ft. .....
At ..... Ft. .....
At ..... Ft. .....

Property Hurley River
At Goldbridge, B.C.
Claim No. Dell #3
Working Place Gwyneth Lake Zone 2
Baseline Footage 2630 ft. South
Baseline Offset 1435 Ft. West
Date Started July 12, 1960
Date Completed July 14, 1960

Hole Number S-7
Dip 50 degrees
Length 138 ft.
Bearing N 55 W
Elev. Collar
Horiz. Trace 90'
Vert. Trace 105 Ft.
Date Logged July 4, 1960

FROM	TO	DESCRIPTION	SAMPLE NUMBER	ASSAY
0	6.0	CASING - Overburden, boulders, sandy clay, broken up rocks.		
6.0	103.0	GREENSTONE - grey, greenish chlorite, micaceous, thin stringers of quartz in place. Very sparse disseminated pyrite and occasional tiny blebs of pyrrhotite.		
103.0	108.0	SEDIMENTS - Consisting of dark grey argillaceous limestone containing disseminated blebs pf pyrrhotite.		
108.0	121.6	GREENSTONE - Same as above. No important mineralization.		
121.6	124.5	QUARTZ - Whitish grey, mottled, carbonaceous. Sparse disseminated crystals of pyrite, pyrrhotite and some arsenopyrite in minor.		
124.5	135.0	SEDIMENTS - Intersected with quartz veinletd greenstone. Sparse disseminated sulfides.		
135.0	138.0	SEDIMENTS - Consisting of argillite and pyrrhotite limestone.		
		END OF HOLE		

Logged by B. A. Nekrasov

Company RAYROCK MINES LIMITED

Drill Hole Log

Dip Tests

At ..... Ft. .....
At ..... Ft. .....
At ..... Ft. .....
At ..... Ft. .....
At ..... Ft. .....
At ..... Ft. .....

Property Hurley River
At Bralorne, B.C.
Claim No. Dell 3.
Working Place Zone #2
Baseline Footage Gwyneth Lake 2700' South
Baseline Offset 1455 West
Date Started July 18, 1960
Date Completed July 22, 1960

Hole Number S-8
Dip at collar 70 degrees
Length 336 ft.
Bearing N 55 W
Elev. Collar
Horiz. Trace 116'
Vert. Trace 315'
Date Logged July 22, 1960

FROM	TO	DESCRIPTION	SAMPLE NUMBER	ASSAY
0	8.0	CASING - Overburden		
8.0	40.0	GREENSTONE - Grey greenisg, some thin quartz veinleted in place.		
40.0	50.0	LIMESTONE - Black, argellaceous. Small blebs and fractured sulfides, mainly of pyrrhotite and some galena, stibnite, pyrite, chalcopyrite in minor. Somewhat thin quartz veinleted.		
50.0	52.0	QUARTZ STRINGERED GREENSTONE		
52.0	54.4	GREENSTONE with stringers of quartz glassy, somewhat chloritic up to 8" thivk.		
54.4	56.2	GREENSTONE - Quartz veinleted.		
56.2	59.9	GREENSTONE - Intersected with stringers of silicified greenstone, whitish thin branched quarts veinleted.		
59.9	82.0	GREENSTONE - somewhat thin quarts veinleted .		
82.0	98.0	GREENSTONE - Interbedded wit h bands and fragments of black argellaceous limestone. Stringers up to 9" thick of glassy quartz, silicified in place.		
		END OF HOLE		

Logged by .....

Company RAYROCK MINES LIMITED

Drill Hole Log

Date Logged _____ Hole Number S-8 Sheet Number 2

CROSS SECTION	FROM	TO	DESCRIPTION	SAMPLE NUMBER	ASSAY
	98.0	113.2	GREENSTONE - thin quartz veinleted.		
	113.2	116.2	QUARTZ - white glassy. No sulphides.		
	116.2	164.6	GREENSTONE - thin branched quartz veinleted in place.		
	164.6	166.4	GLASSY QUARTZ - no sulfides.		
	166.4	168.9	GREENSTONE - somewhat silicified. Occasional small blebs of pyrrhotite.		
	168.9	177.0	GREENSTONE - somewhat silicified. Single stringers of quarts.		
	177.0	197.4	GREENSTONE.		
	197.4	206.8	LIMESTONE - black argellaceous pyrrhotitic with stringers of greenstone.		
	206.8	235.0	GREENSTONE - somewhat silicified and quartz veinleted in place. Intersected in place with black argellaceous limestone.		
	235.0	261.0	LIMESTONE - black argellaceous dolomitic pyrrhotitic Stringers of quartz up to 2" in certain portions, thin bands of silicified greenstone.		
	261.0	336.0	GREENSTONE -Occasional stringers up to 6" ligh apple greenish, dense silicified greenstone. No important mineralization was seen in the core.		

Logged by B. A. Nekrasov

Company RAYROCK MINES LIMITED

Drill Hole Log

Dip Tests

At ..... Ft. .....
At ..... Ft. .....
At ..... Ft. .....
At ..... Ft. .....
At ..... Ft. .....
At ..... Ft. .....

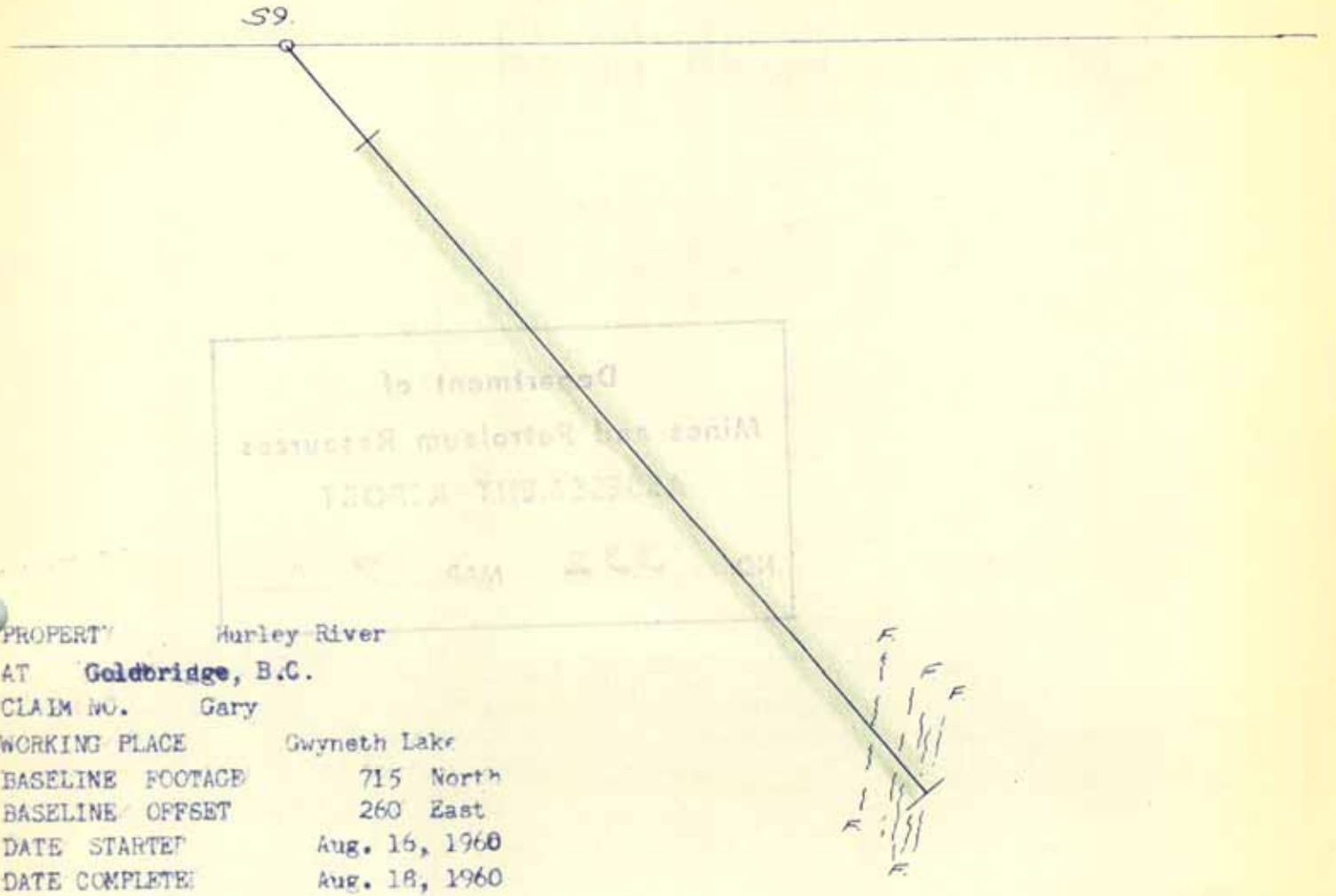
Property Hurley River
At Bralorne, B.C.
Claim No. Gary
Working Place Gwyneth Lake
Baseline Footage 715' North
Baseline Offset 260' East
Date Started Aug. 16, 1960
Date Completed Aug. 18, 1960

Hole Number S-9
Dip 50 deg.
Length 173 degrees
Bearing North 85 East
Elev. Collar
Horiz. Trace 110 ft.
Vert. Trace 130 ft.
Date Logged Aug. 18, 1960

FROM	TO	DESCRIPTION	SAMPLE NUMBER	ASSAY
0	22.0	CASING		
2.0	55.0	GREENSTONE ankerite quartz veinleted.		
5.0	150.0	GREENSTONE - Interbedded with dolomitic limestone, somewhat graphitic and sheared. Slickensides and badly broken core. Sparse disseminated, mainly chalcopyrite.		
50.0	155.0	GREENSTONE - Schist,talcose, chlorite, micaceous.		
55.0	173.0	GREENSTONE - Somewhat quartz veinleted. Phenocrysts of plagioclase. Sparse disseminated sulfides.		
		This hole was abandoned at 173' because of strong caving in the badly broken faulted ground.		
		END OF HOLE		

Logged by B. A. Nekrasov.

D.D.H. No S9.



PROPERTY Hurley River
AT Goldbridge, B.C.
CLAIM NO. Gary
WORKING PLACE Gwyneth Lake
BASELINE FOOTAGE 715 North
BASELINE OFFSET 260 East
DATE STARTED Aug. 16, 1960
DATE COMPLETED Aug. 18, 1960
LOGGED BY S. A. Nekrasov

DIP At Collar 50°
AZIMUTH 85°
LENGTH 173'
HORIZ. TRACE 110'
VERT. TRACE 130'

CROSS SECTION #9

SCALE. 1" = 30'

GWYNETH LAKE

LINDA

RANDY

MONDAY

GARY

MORE GOLD 1

MORE GOLD 2

MORE GOLD 3

MORE GOLD 4

MORE GOLD 5

MORE GOLD 6

MORE GOLD 7

LOST GOLD 1

LOST GOLD 2

LOST GOLD 3

LOST GOLD 4

DELL 1

DELL 2

DELL 3

DELL 4

OLD ROAD TO GOLDSTREAM

BASE LINE

ZERO

DUMP

CABIN

ADIT

OLD COMPRESSOR

CREEK

TRAIL

PAM

TO BRALORNE

PAMBERTON Road

Logging Camp

HURLEY RIVER

N

S

26°

MAGNETIC

TRUE

332

Department of
Mines and Petroleum Resources
ASSESSMENT REPORT
NO. 332 MAP 1

RAYROCK MINES

HURLEY RIVER PROPERTY
LILLOOET M.D.
B.C..

GEOLOGICAL MAP

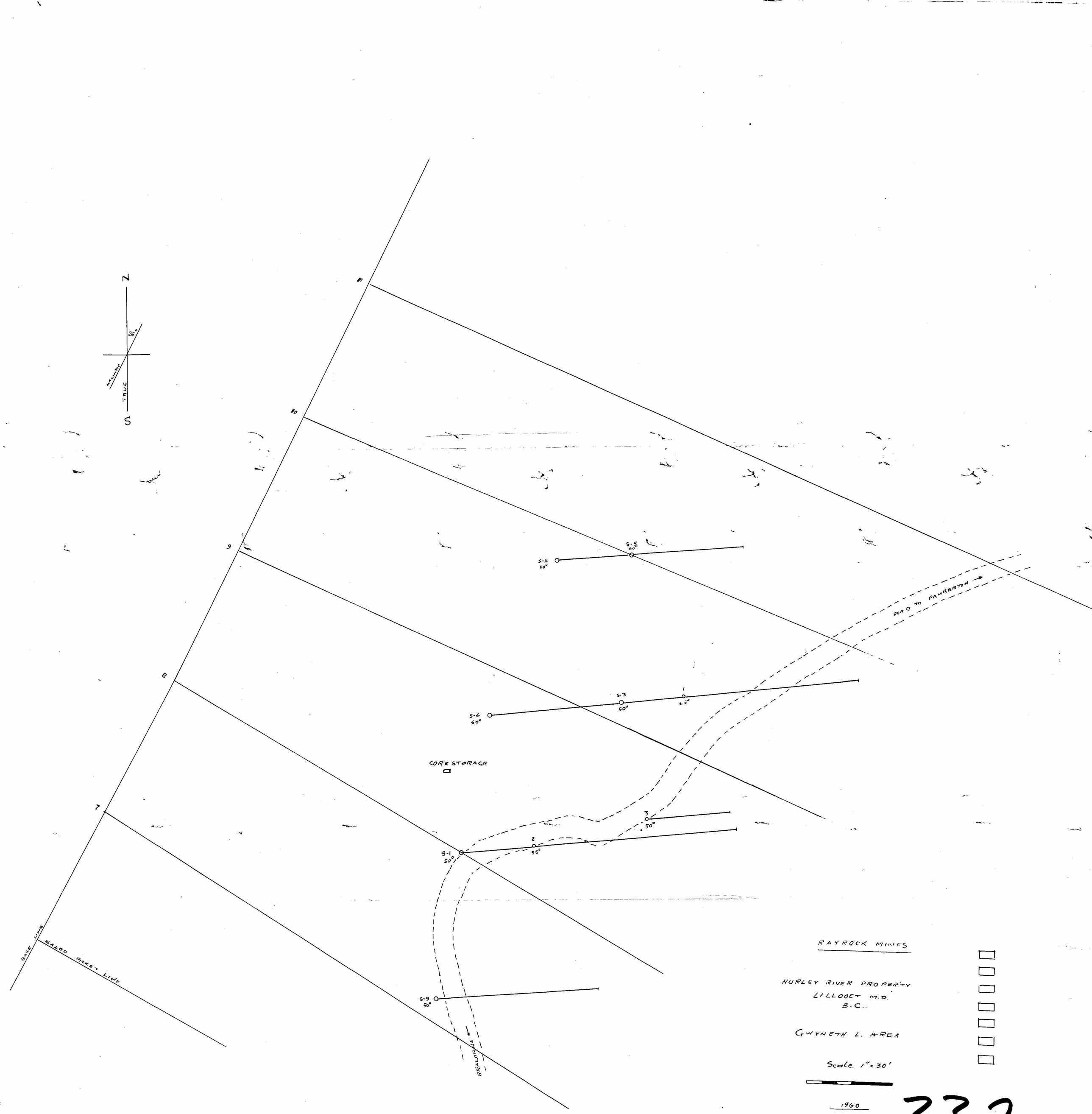
Scale 1" = 300'

300 0 300 FEET

1960

Compiled by B.A. HERRASOV.

- OVERBURDEN
- BENDOR DIORITE
- FELSITE
- QUARTZ VEIN
- GRANSTONE
- HURLEY RIVER FORMATIONS SEDIMENTS
- GEOLOGICAL BOUNDARY
- DIP (INCLINED, VERTICAL, UNKNOWN)
- FAULT OBSERVED ASSUMED
- OUTCROP
- CLIFF
- SWAMP
- M.C. POST
- DIAMOND DRILL HOLE
- BLAZED PICKET LINE
- OLD PIT ADIT
- TRENCH
- ASSAYED GRAB SAMPLE



RAYROCK MINES

HURLEY RIVER PROPERTY
LILLOOET M.D.
B.C..

GWYNETH L. AREA

Scale 1" = 30'

1960

Compiled by B.A. NEKRASOV.

332

Department of
Mines and Petroleum Resources
ASSESSMENT REPORT
NO. 332 MAP 2

RAYROCK MINES LIMITED

DRILL HOLE DESCRIPTION AND ASSAYS

Property Hurley River
At Goldbridge, B.C..
Claim No. Gary
Working Place Gwyneth Lake
Baseline Footage 800ft. North
Baseline Offset 230 ft. East
Date Started June 21, 1960
Date Completed June 29, 1960
Date Logged June 29th, 1960
Logged By B.A. Nekrasov.

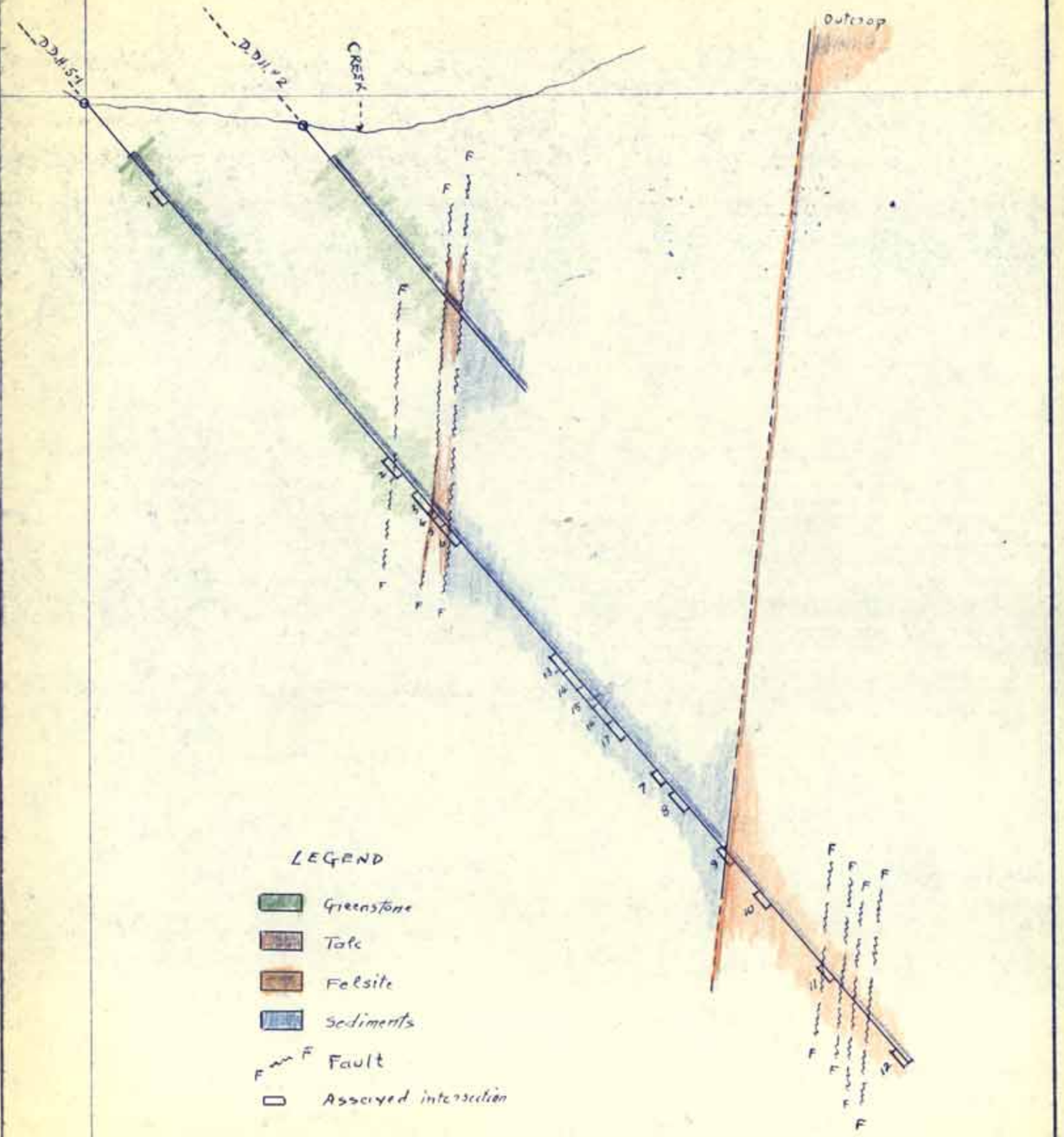
Dip at Collar 50 degrees
Length 287'6"
Azimuth North 85 degrees East
Elev. Collar
Horiz. Trace 188'0"
Vertical Trace 220'0"
Core Recovery Good
Depth of Intersection

DIP TESTS

At	Feet
At	Feet
At	Feet
At	Feet
At	Feet

SAMPLE NUMBER	FROM	TO	SAMPLE WIDTH	ASSAY Au/Ag
I	25'00	28'00"	3'0"	Trace
2	I06'0"	III'0"	5'0"	Trace
3	II6'I"	I20'9"	4'8"	Trace
4	I20'9"	I25'9"	5'0"	Trace
5	I25'9"	I27'4"	2'7"	Trace
6	I27'4"	I32'4"	5'0"	Tr./0.I0
7	I99'0"	204'0"	5'0"	0.005/
8	206'0"	2II'0"	5'0"	0.005/0.25
9	223'8"	228'8"	5'0"	Trace
I0	235'0"	240'0"	5'0"	Trace
II	259'0"	264'0"	5'0"	0.005
I2	282'6"	287'6"	5'0"	0.01
I3	I64'0"	I69'0"	5'0"	0.01
I4	I69'0"	I74'0"	5'0"	Trace
I5	I74'0"	I79'0"	5'0"	0.01
I6	I79'0"	I84'0"	5'0"	0.005
I7	I84'0"	I89'0"	5'0"	0.01

D.D.H. No. S-1



CROSS SECTION # 1

SCALE 1:30

RAYROCK MINES LIMITED

DRILL HOLE DESCRIPTION AND ASSAYS

D.D.H. No. S-3

	SAMPLE NUMBER	FROM	TO	SAMPLE WIDTH	ASSAY Gold
Property Hurley River	5001	82'6"	85'6"	3'0"	0.005
At Goldbridge, B.C..	5002	91'6"	96'6"	5'0"	0.005
Claim No. Gary	5003	I05'0"	II0'0"	5'0"	0.0I
Working Place Gwyneth Lake.	5004	I34'6"	I39'6"	5'0"	0.005
Baseline Footage 900' North	5005	I39'6"	I44'6"	5'0"	Trace
Baseline Offset 225' East	5006	I68'0"	I73'0"	5'0"	0.005
Date Started July 4th, I960	5007	I86'0"	I9I'0"	5'0"	0.0I
Date Completed July 7th, I960	5008	204'0"	209'0"	5'0"	0.0I
Date Logged July 7th, I960	5009	I44'6"	I49'6"	5'0"	0.0I5
Logged By B.A. Nekrasov.	50I0	I49'6"	I54'6"	5'0"	0.005

Dip at Collar 50 degrees

Length 255 feet

Azimuth North 85 East

Elev. Collar 3,075'

Horiz. Trace I63'

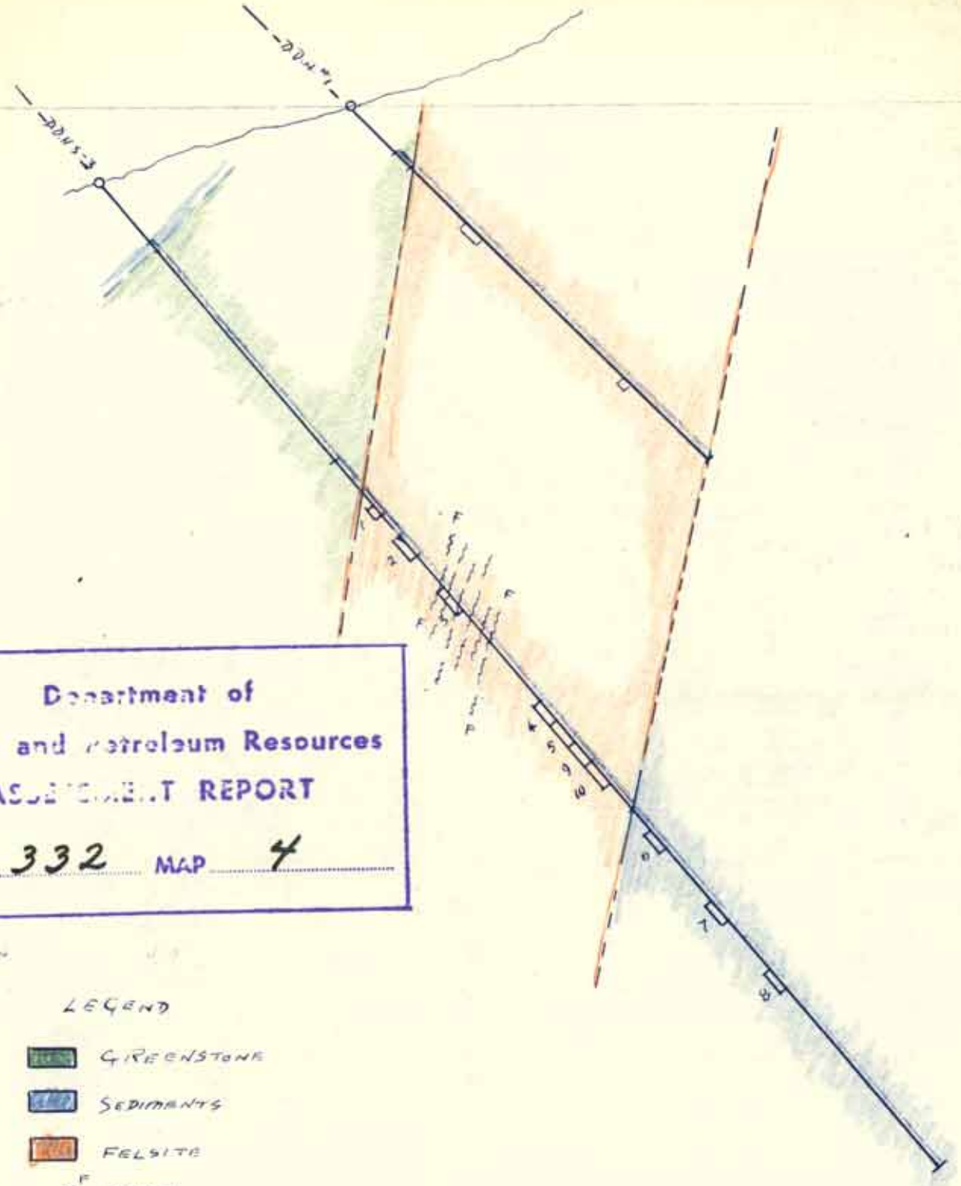
Vertical Trace I85'

Core Recovery Good, 80% to I00%

Depth of Intersection

DIP TESTS

At	Feet
At	Feet
At	Feet
At	Feet
At	Feet



LEGEND

- GREENSTONE
- SEDIMENTS
- FELSITE
- F FAULT
- ASSAYED INTERSECTION

CROSS SECTION 2

SCALE 1:30

DRILL HOLE DESCRIPTION AND ASSAYS

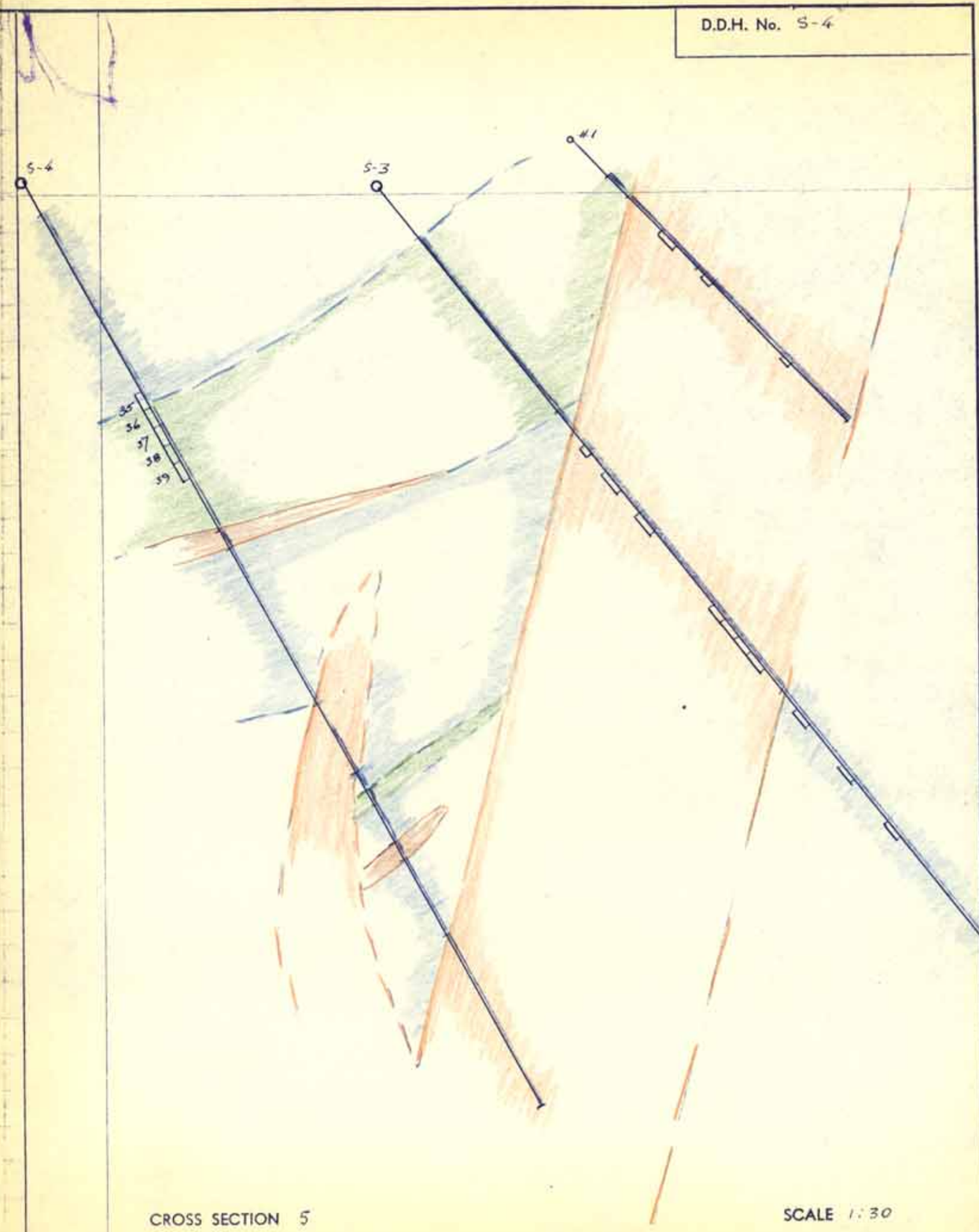
	SAMPLE NUMBER	FROM	TO	SAMPLE WIDTH	ASSAY
Property Hurley River	5035	60'0"	65'0"	5'0"	TRACE
At Bralorne, B.C..	5036	65'0"	70'0"	5'0"	TRACE
Claim No. Gary	5037	70'0"	75'0"	5'0"	TRACE
Working Place Gwyneth Lake	5038	75'0"	80'0"	5'0"	0.005
Baseline Footage 890' North	5039	80'0"	85'0"	5'0"	0.005
Baseline Offset 205' East					
Date Started July 29th 1960					
Date Completed August 4th 1960					
Date Logged August 4th 1960					
Logged By B.A. Nekrasov.					

Dip	60 degrees
Length	265 feet
Azimuth	North 85 East
Elev. Collar	
Horiz. Trace	133'
Vertical Trace	228'
Core Recovery	
Depth of Intersection	

DIP TESTS

At	Feet
At	Feet
At	Feet
At	Feet
At	Feet

D.D.H. No. S-4



CROSS SECTION 5

SCALE 1:30

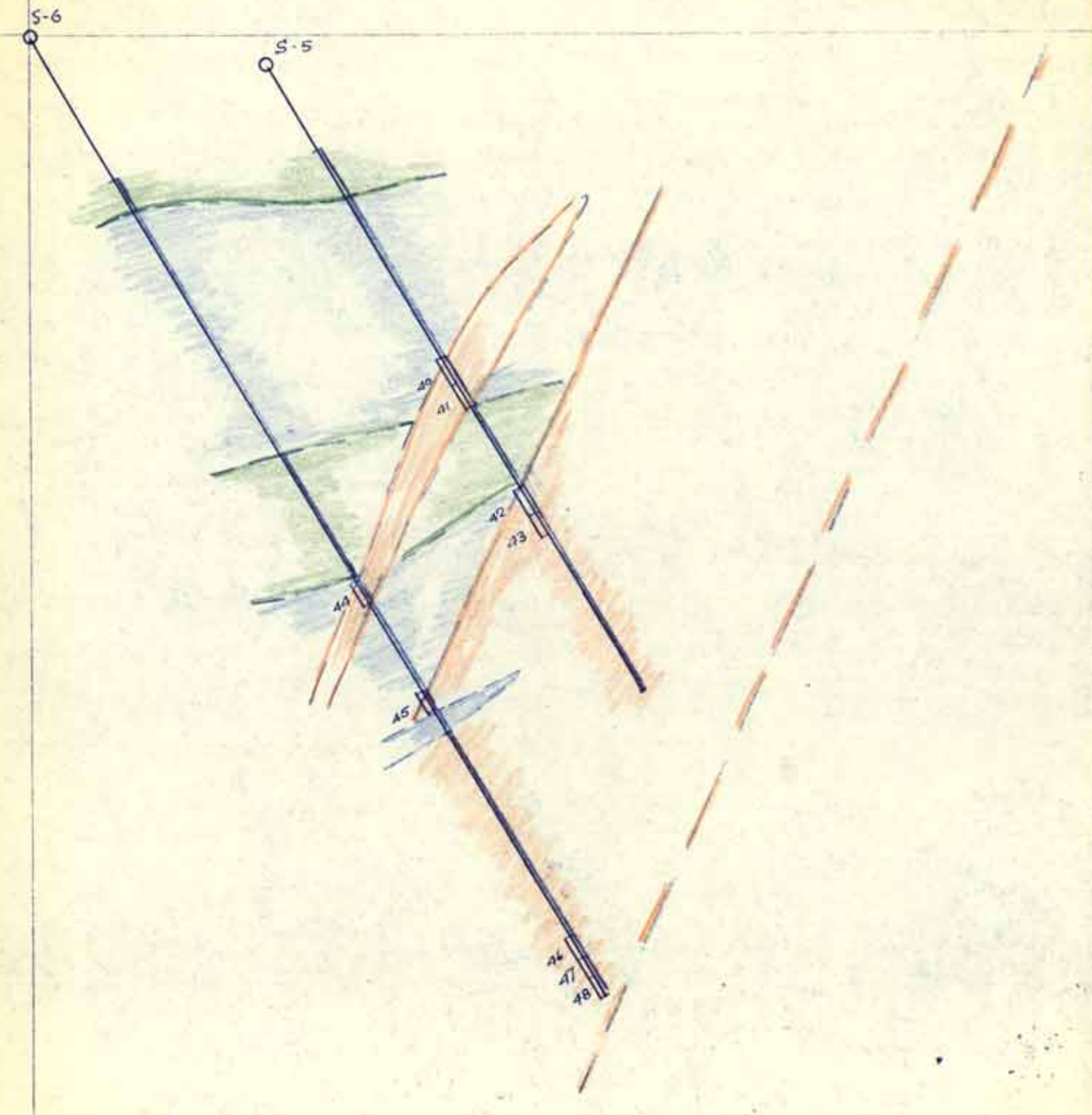
DRILL HOLE DESCRIPTION AND ASSAYS

D.D.H. No. S-6 S-5

	SAMPLE NUMBER	FROM	TO	SAMPLE WIDTH	ASSAY
Property Hurley River	5044	I30'8"	I36'5"	5'0"	TRACE
At Bralorne	5045	I56'I0"	I6I'I0"	5'0"	TRACE
Claim No. Gary	5046	2I6'0"	22I'0"	5'0"	0.005
Working Place Gwyneth Lake	5047	22I'0"	226'0"	5'0"	0.005
Baseline Footage I,000' North	5048	226'0"	230'0"	5'0"	0.0I
Baseline Offset I95' East					
Date Started August I0th, I960	5040	7I16"	76'6"	5'0"	Trace
Date Completed August I5th, I960	5041	76'6"	8I'6"	5'0"	0.02
Date Logged August I5th, I960	5042	I00'0"	I05'0"	5'0"	Trace
Logged By B.A. Nekrasov.	5043	I05'0"	II0'0"	5'0"	Trace

Dip	60 degrees
Length	230 feet
Azimuth	North 85 East
Elev. Collar	
Horiz. Trace	II2'
Vertical Trace	I97'
Core Recovery	
Depth of Intersection	

DIP TESTS	
At	Feet
At	Feet
At	Feet
At	Feet
At	Feet



CROSS SECTION 6

SCALE 1:30

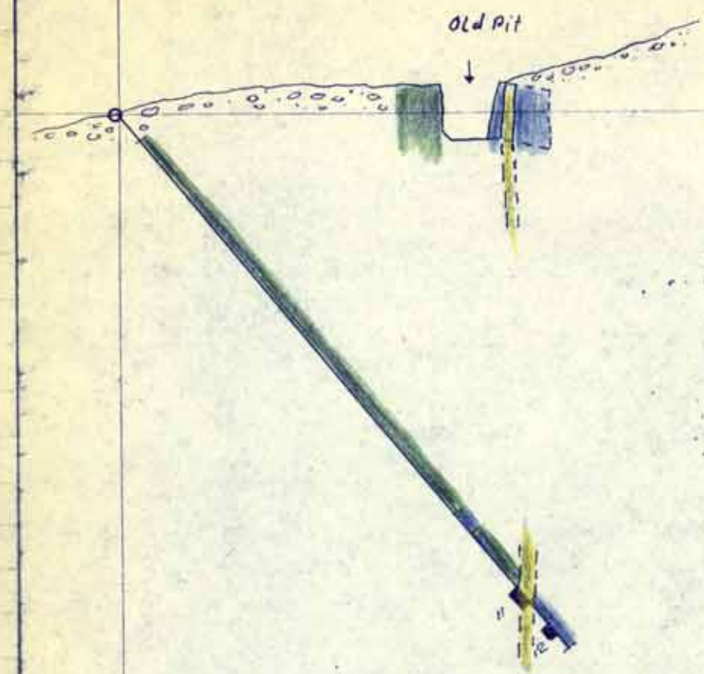
DRILL HOLE DESCRIPTION AND ASSAYS

D.D.H. No. S-7

	SAMPLE NUMBER	FROM	TO	SAMPLE WIDTH	ASSAY
Property Hurley River	5011	I2I'6"	I24'5"	2'9"	Trace
At Bralorne, B.C..	5012	I32'0"	I35'0"	3'0"	Trace
Claim No. Bell #3					
Working Place Gwyneth Lake					
Baseline Footage 2630' south					
Baseline Offset I435' west					
Date Started July I2, I960					
Date Completed July I4, I960					
Date Logged July I4, I960					
Logged By B.A. Nekrasov.					
Dip 50 degrees					
Length I38 feet					
Azimuth North 55 West					
Elev. Collar					
Horiz. Trace 90feet					
Vertical Trace I05 feet					
Core Recovery I00%					
Depth of Intersection					

DIP TESTS

At	Feet
At	Feet
At	Feet
At	Feet
At	Feet



CROSS SECTION 3

SCALE 1:30

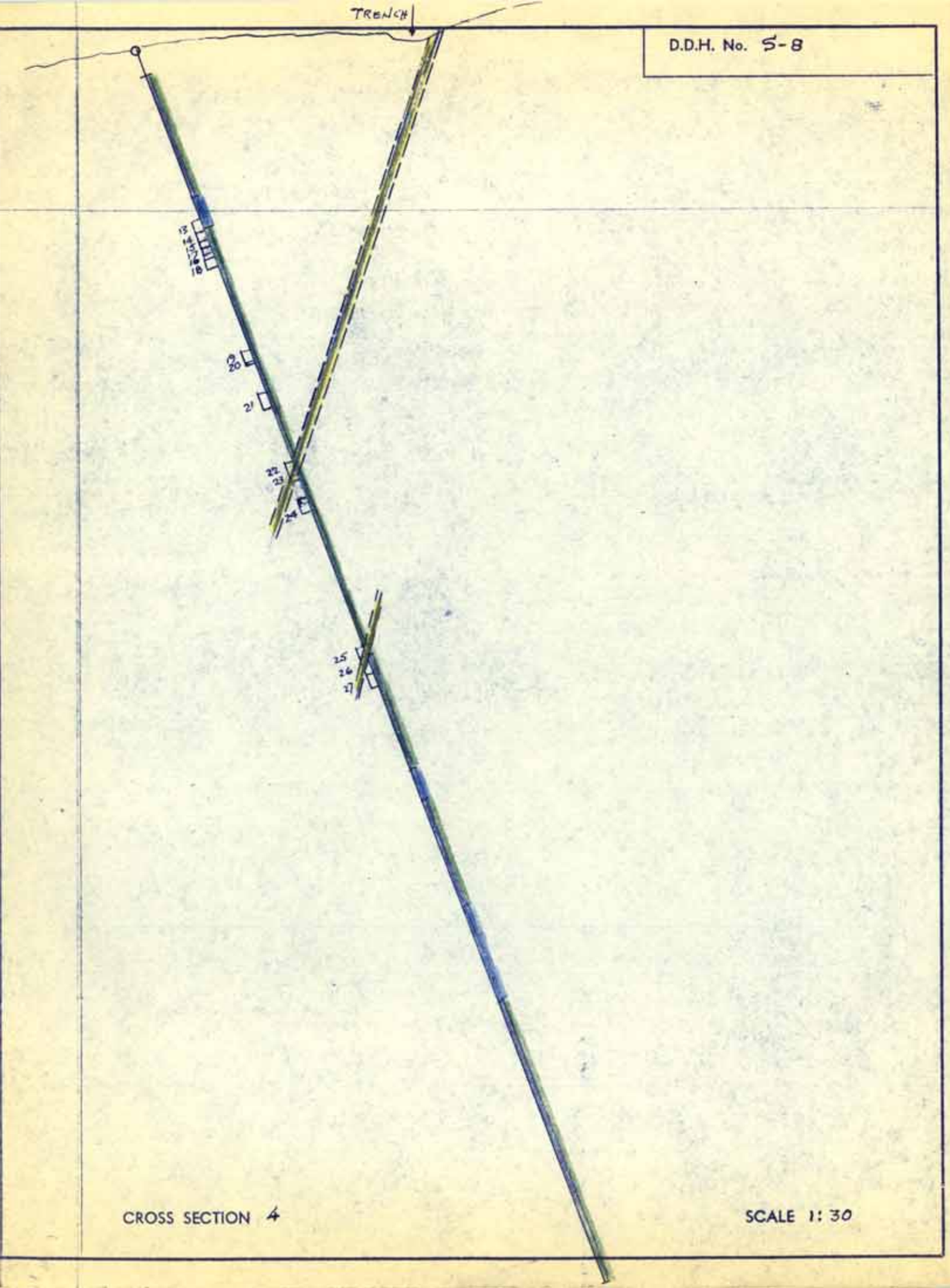
DRILL HOLE DESCRIPTION AND ASSAYS

Property	Hurley River
At	Bralorne, B.C..
Claim No.	Dell #3
Working Place	Gwyneth Lake
Baseline Footage	2700' South
Baseline Offset	1445' West
Date Started	July 18, 1960
Date Completed	July 22, 1960
Date Logged	July 22, 1960
Logged By	B.A. Nekrasov.
Dip	70 degrees
Length	336 feet .
Azimuth	North 55 West
Elev. Collar	
Horiz. Trace	116'
Vertical Trace	315'
Core Recovery	95%
Depth of Intersection	

DIP TESTS

At	Feet
At	Feet
At	Feet
At	Feet
At	Feet

SAMPLE NUMBER	FROM	TO	SAMPLE WIDTH	ASSAY
5013	47'0"	50'0"	3'0"	0.005
5014	50'0"	52'0"	2'0"	Trace
5015	52'0"	54'4"	2'4"	0.015
5016	56'0"	57'6"	1'6"	0.01
5017	54'3"	56'2"	1'9"	0.02
5018	57'6"	59'9"	2'3"	Trace
5019	82'0"	85'5"	3'5"	0.005
5020	85'5"	86'3"	0'10"	Trace
5021	94'3"	98'0"	3'9"	0.005
5022	113'2"	116'2"	3'0"	0.015
5023	116'2"	118'2"	2'0"	Trace
5024	123'6"	127'9"	4'3"	0.005
5025	164'6"	166'4"	1'10"	Trace
5026	166'4"	171'4"	5'0"	0.01
5027	171'4"	175'6"	4'2"	Trace.



D.D.H. No. S-8

CROSS SECTION 4

SCALE 1: 30