

REPORT ON THE MC GROUP  
BY J.H. HACHEY FOR  
TAY RIVER MINES LTD. (N.P.L.).  
OCTOBER 26, 1966

Subject

Accessibility

History

Geology

Mineralization

ASSAY RESULTS

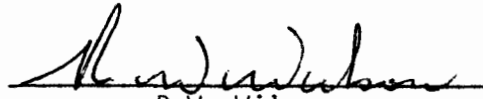
Summary

Claim Map

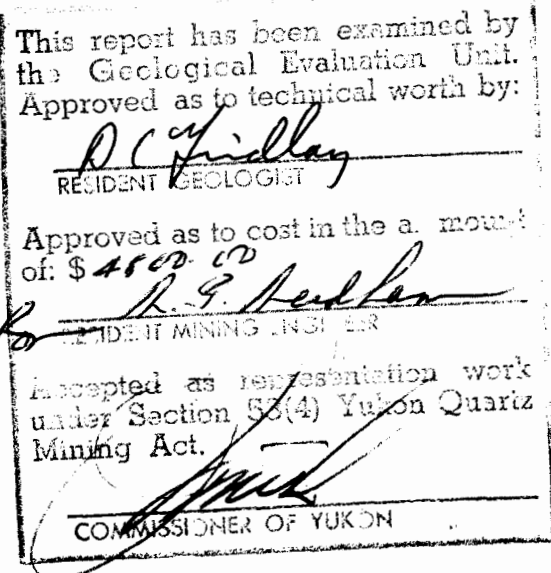
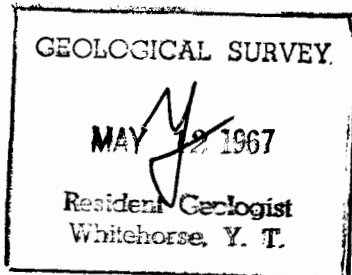
Trench Section

Declaration of Expenses

I hereby certify that JOHN H. HACHEY was employed by Tay River Mines Ltd. (N.P.L.) and carried out the work and completed the Report on the MC group of claims under the management and direction of Silver Standard Mines and myself as a Professional Engineer. The within document is a true copy of his report.

  
R.W. Wilson  
Professional Engineer

Province of British Columbia.



TAY RIVER MINES LTD. (I.P.L.)

QUIET LAKE SYNDICATE

October 26, 1966

To: A.C. Ritchie

SUBJECT: M.C. Claim Group - Quiet Lake Syndicate

The following is a report on the M.C. Claim Group (1 - 40) located on Claim Map 105 F-10 in the Whitehorse Mining District, Yukon Territory. This claim group is held by the Quiet Lake Syndicate and was examined by myself for Tay River Mines Ltd., from August 13 to September 1, 1966.

During the course of examination, two trenches were cleared over the main showing by pick and shovel. The main trench, bearing 110°, was cleared for a strike length of 136 feet and approximately 155 cubic yards of overburden were moved. Thirteen channel and grab samples were taken from this trench and assayed.

The second cross-cut trench was bearing 350°, and approximately 10 cu. yards of overburden were removed. This trench cut across the strike of the vein about 15 feet west of the main trench and encountered no mineralization.

No previous information was available for the examination other than the G.S.C. 1" = 4 mi. map sheet 105F and the Department of Mines & Technical Surveys airborne magnetic survey map 1393G.

ACCESSIBILITY:

The property is accessible by helicopter from Ross River (32 miles) or from the Canal Road at Upper Sheep Creek (17 miles). A helicopter is able to land within 400 yards of the main showing. Fixed wing service is available from Whitehorse or Ross River to Seagull Lake (11 miles from property) and depending on the water level, to Grayling Lake (2 miles from showing). An old packhorse trail in unknown condition comes by the property from the Canal Road, up the Upper Sheep Creek valley and down into Seagull Creek valley. Suitable water supplies for diamond drilling or for washing away overburden would have to be pumped up from Seagull Creek.

HISTORY:

This showing was previously staked for Convest Explorations and was known as the Box Group. Convest trenched along the main showing for approximately a couple of hundred feet. A couple of other barren

A.C. Ritchie  
Re: Quiet Lake Syndicate - cont'd:-

October 26, 1966

History - cont'd:

trenches were dug to the north and south of the main showing. The property was later dropped and it was restaked for the Quiet Lake Syndicate.

GEOLOGY:

This property is staked on rocks of Mississippian age or earlier, to the east of Seagull fault. The rock types consist of greenstone breccias, volcanics, phyllites and limestone. The general bedding attitude is east-west to northwesterly, with gentle southerly dips. These rocks are cut by a hornblende syenite of Mississippian or earlier age. The Pb - Ag mineralization is associated with heavy FeS in a greenstone breccia and seems to follow a fault running 150°/52° SW.

MINERALIZATION:

No new showings of any importance were found in the area. Two very minor shows were found and located on the accompanying claim map. The vein in the main trench, though fairly continuous, was patchy in mineralization and heavily oxidized in places. It was difficult to obtain true thickness, but the thickest measurement was 2 feet 2 inches, and the vein would not average more than 1 foot thick over the 136 feet of trench.

A sample of gossan material from the gossan 1000 feet north of the trench was tested and ran 72 ppm in Pb and 4 ppm in Ag. The following assays were obtained from samples taken from the main trench:-

<u>Sample</u>	<u>Au</u>	<u>Ag</u>	<u>Pb</u>	<u>Zn</u>	<u>Cu</u>	<u>Thickness</u>	<u>Remarks</u>
1660	0.02	0.7	1.17	Tr	0.03	1.6' )	
1661	0.02	1.4	1.59	Tr	0.04	1.4' )	
1662	0.02	1.9	2.06	Tr	0.01	1.1' )	Not true
1663	0.02	0.8	1.12	0.56	0.01	1.9' )	thickness
1664	0.12	2.4	1.12	Tr	0.04	1.1' )	
1665	0.03	3.6	1.80	Tr	0.07	1.9' )	
1666	0.06	28.6	33.37	0.30	0.09		Selected grab sample
1667	0.02	1.2	1.95	Tr	0.03		Chip sample
1668	0.04	18.0	9.30	Tr	Tr	2'2"	
1669	0.02	2.3	0.65	Tr	0.01		Selected grab sample
1670	0.02	3.6	4.25	Tr	Tr	1.3'	
1671	0.04	19.9	11.72	Tr	0.24	9"	
1672	0.02	4.7	5.16	Tr	0.14	7"	
1674	Tr	Tr					Taken north of M.C. Group

A.C. Ritchie  
Re: Quiet Lake Syndicate - cont'd:-

October 26, 1966

SUMMARY:

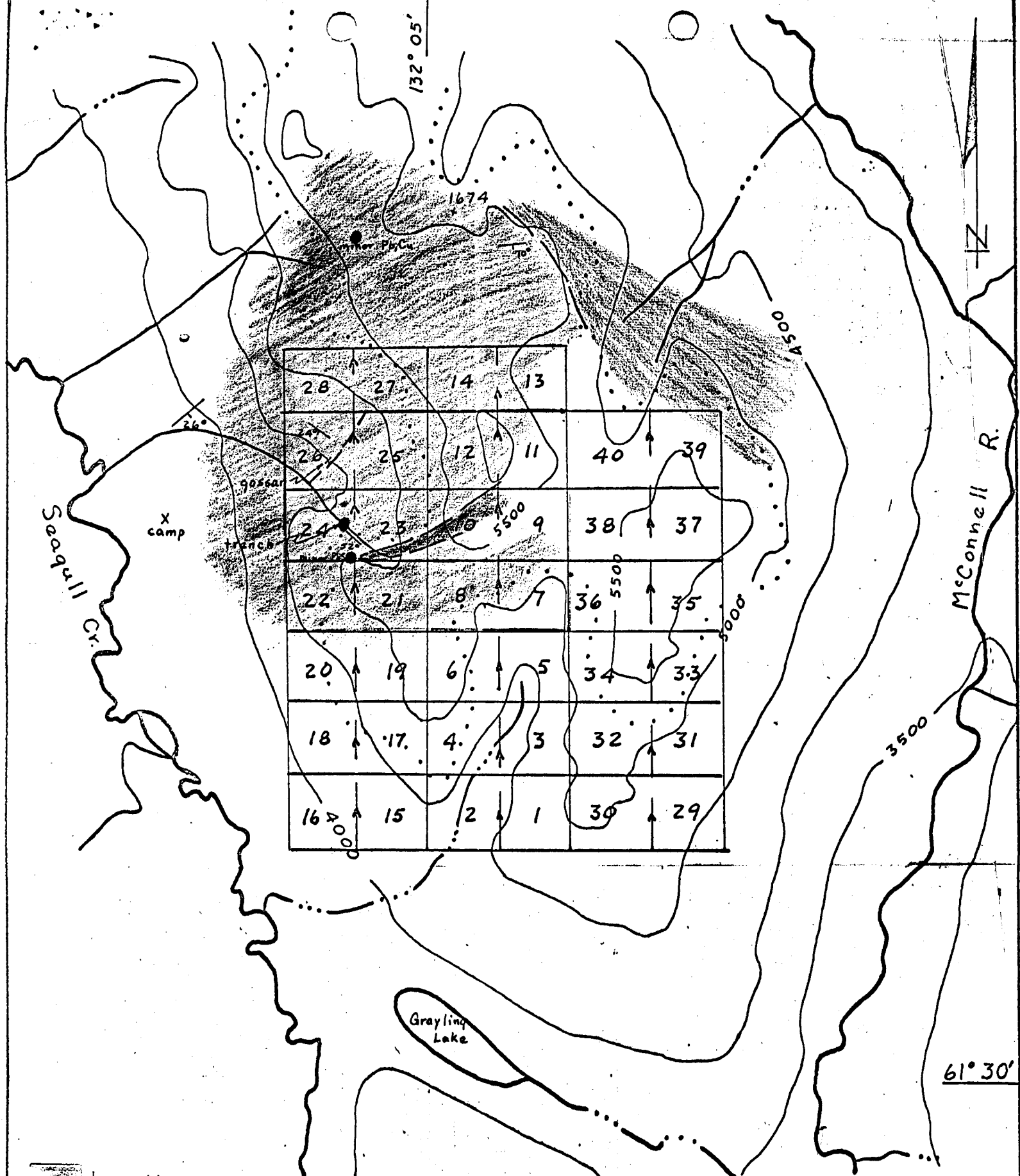
Although the Ag - Pb ratio is fair, the vein thickness is too narrow to be of economic interest. Prospecting of the claim area turned up no interesting showings and the gossan zones are attributed mostly to iron sulfides.



As a result of this examination I recommend that Tay River Mines Ltd. should continue no further with their option on this group.

Respectfully submitted,

"J.H. Hachey"





J.H. Hachey  
Geologist

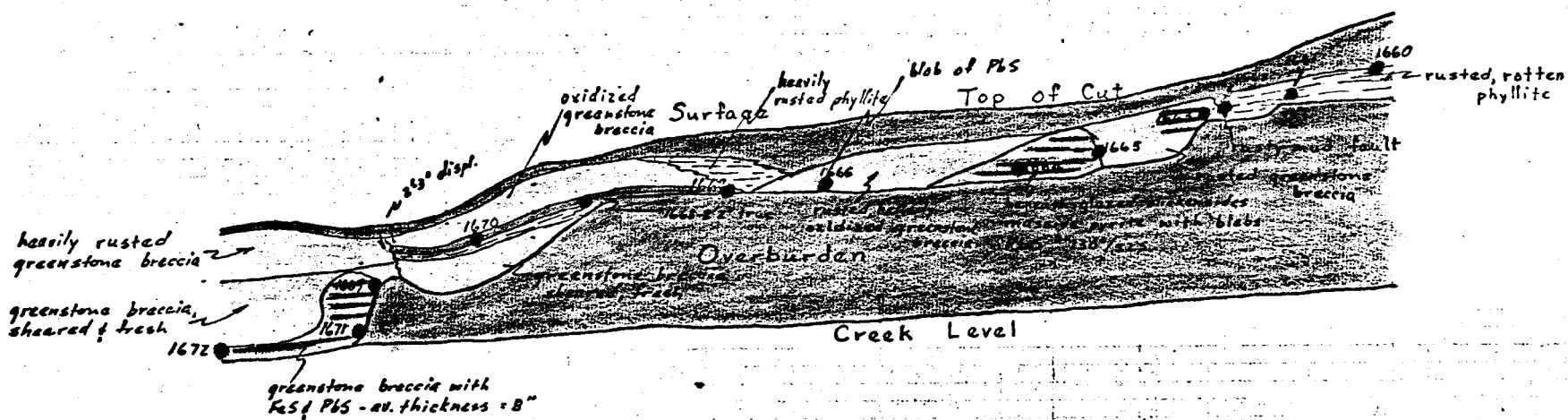


-  hornblende syenite
-  conglomerate, greenstone breccia, volcanics & phyllites

J.H. Hachey

M. C. Claim Group  
 Sheet 105 F-10 Whitehorse M.D.  
 Scale 1" = 1/2 MI. Date: Oct. 26/66

-  overburden
-  phyllite
-  greenstone breccia
-  PbS



Section of Main Trench - looking northerly

290°

Quiet Lake Syndicate

MC Claim Group

Scale 1" = 20'

Oct. 26, 1966

J. H. H.

CANADA  
PROVINCE OF  
BRITISH COLUMBIA

IN THE MATTER OF

An Act Respecting  
Quartz Mining in  
The Yukon Territory.

I, ALEXANDER C. RITCHIE, Executive Vice-President Silver Standard Mines Ltd., of the City of Vancouver in the Province of British Columbia do solemnly declare

1. That John H. Hachey is an employee of Silver Standard Mines Ltd.
2. That Silver Standard Mines Ltd. expended monies on behalf of Tay River Mines Ltd. (N.P.L.) during an examination of a mineral property known as the MC claims.
3. That attached to this my declaration is a statement of expenditures signed by John H. Hachey.
4. That the statement reflects a true account of the monies expended.

AND I make this solemn declaration, conscientiously believing it to be true and knowing that it is of the same force and effect as if made under oath, and by virtue of the CANADA EVIDENCE ACT.

DECLARED before me at

*Vancouver* in the  
Province of British Columbia this  
*21<sup>st</sup>* day of *April*

A.D., 1967

*John H. Campbell*  
A Notary Public in and for the  
Province of British Columbia.





TAY RIVER MINES LTD. (N.P.L.)

EVIDENCES OF EXPENDITURES

November 21, 1966

MC GROUP - Watson Lake Mining District  
Claim Map 105 F-10

WAGES:

J. Hachey	Geologist	Aug. 18 - Aug. 20	@ 25.00/dy.	75.00
S. Marko	Assist. Geologist	Aug. 18 - Sept 1	@ 525.00/mo.	254.00
A. MacKenzie	Prospector	Aug. 18 - Sept 1	@ 500.00/mo.	240.00
A. Matson	Prospector	Aug. 22 - Aug. 24	@ 750.00/mo.	75.00
J. Baufeld	Cook	Aug. 18 - Aug. 31	@ 450.00/mo.	200.00
W. Byvoet	Student helper	Aug. 18 - Sept 1	@ 450.00/mo.	215.00
D. Newton	Student helper	Aug. 18 - Sept 1	@ 400.00/mo.	194.00
<u>TOTAL WAGES -</u>				1,253.00

OTHER EXPENSES:

Board - 91 man days @ 10.00/dy.	910.00
Trspn. - Helicopter and fixed wing	2,637.00
<u>TOTAL -</u>	<u>4,800.00</u>

I swear that the above is a true statement of expenditures incurred on the MC 24 mineral claim in the Watson Lake Mining District, Yukon Territory, between August 18, 1965 and September 1, 1966.

*J. H. Hachey*  
J.H. Hachey  
Geologist

TAY RIVER MINES LTD. (N.P.L.)