

MAP No.

115 G 6

ASSESSMENT REPORT
PROSPECTUS
CONFIDENTIAL
OPEN FILE



DOCUMENT NO.: 091762
MINING DISTRICT: WHITEHORSE
TYPE OF WORK: PROSPECTING, MAPPING

REPORT FILED UNDER: E.M. Flynn

DATE PERFORMED: 1952

DATE FILED: 1952

LOCATION	LAT.	61°28'N
	LONG.	139°32'W

AREA: Quill Creek - Swede Creek

CLAIM NAME & NO. SNOLINE 1-24, TAURUS 1-8, MERCURY 1-8, VENUS 1-8, MARS 1-8, JUNO 1-8,
SATURN 1-8, POLARIS 1-8, FIR 1-4, SPRUCE 1-8, URSUS 1-8

VALUE \$	
WORK DONE BY:	E.M. Flynn
WORK DONE FOR:	E.M. Flynn
DATE TO GOOD STANDING	REMARKS:
	WELLGREEN #18
	SANKU # 100

E. MILES FLYNN
MINING ENGINEER

"J"
2379

Report on

Mars Group of Claims

C-2388-A

Quill Creek, Burwash Area, Yukon.

Location:

The group of claims is in the Burwash Area, about 200 miles north-west of Whitehorse and about 10 miles west of the north end of Kluane Lake. It is in the Kluane Mountain Range which at this place is drained by Quill Creek, which flows into the Kluane River.

The mountain range is parallel to the Alaska Highway and is about 10 to 15 miles south of it, so that, the area is very accessible. The Alaska Highway connects at Haines Junction with the road to Haines, and all-year port, in Alaska, near Skagway. It is 150 miles from Haines Junction to Haines and from Quill Creek to Haines Junction is about 100 miles. This gives access to tidewater over a very good road. The U.S. Government maintains an oil pipe line from Skagway to Fairbanks, Alaska, and is now building another pipe line from Haines to Fairbanks, parallel to the Alaska Highway.

Property:

The group comprises 84 claims, which are divided into 10 groups of 8 claims each, and a half of a group. The names of the groups are as follows: Taurus, Mercury, Venus, Mars, Juno, Saturn, Snoline (24 claims), Spruce, and Fir (4 claims).

These claims are in a block 18 claims long and 4 wide, i.e. 27,000 feet by 6,000 feet and total 4,200 acres.

The Taurus and Mercury groups join on to the Jeep 7, Jeep 6, Jeep 3 and Jeep 2, which belong to the Hudson's Bay Company. The Venus and Mars groups join on to claims owned by Prospectors Airways and the Juno and Saturn groups join on to claims of the Comwest Company.

Geology:

The Geological Survey published a map of the area, number 1012A, dated 1952, which shows that the rocks in the area are composed of igneous and sedimentary formations,

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of Cretaceous to Carboniferous Age. The map shows large blank areas, as the geological study was done very sketchily, and the mountain range on which these claims are situated was not studied.

The high ridge of the mountains is about 6,000 feet above sea level and the valleys are about 2,500 feet. The range runs N.W. and S.E. and the distance from Quill Creek to the Donjek River is about 9 miles.

The higher part of the mountain is composed mainly of igneous rocks of igneous origin, diorites, diabases, gabbros, etc. with a few bands of sediments mainly limestones, schists, and slates. On the lower slopes and the foothills, sediments predominate.

The claims in this group are all above timber line, which is about 4,000 feet, and are mainly in the igneous formation.

There are five main gulches on the groups which extend up to the crest of the mountain. The sides of the gulches are very steep, and the talus slopes are from 500 to 1,000 feet high, and many thousand feet in length along the gulches. Many of the upper cliffs are so steep that they will be difficult to prospect; but there are large areas of bare rocks along the crests and ridges.

There is considerable copper-stained float in these gulches particularly in the Mercury, Venus and Mars gulches.

Samples of these rocks have been sent to Toronto. The float shows chalcopyrite and bornite, with some pyrite and pyrrhotite, disseminated in the greenstones and basic rocks of varying composition. Some of this float evidently came from the cliffs exposed on the higher ridges and systematic prospecting should find the ore in places.

A piece of float picked up on the Mercury claims shows a streak of native copper in the greenstone.

Summary:

Copper has been known in the area for many years and although claims were staked on some of the showings, little or no development work was done. The only mining has been gold placer mining in some of the creeks, which is still going on.

In June, 1952, an important discovery of nickel and copper was made by some local prospectors and this property has been acquired by the Hudson's Bay Mining and

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Smelting/

Smelting Company who are now actively developing it. They have three diamond drills at work on several different showings of nickel and are setting up permanent camp buildings on their Discovery claims.

The Northern Miner has an article describing this discovery and states that it has a width of 40 feet and averages 3.2% nickel and 2.2% copper. Several other ore bodies have been discovered on this group of claims and are being tested by drilling.

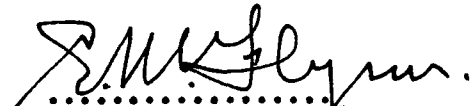
The Hudson's Bay Company now has over 500 claims in a block about 15 miles long and 3 miles wide and are still staking more ground. Several other companies and many individual prospectors are prospecting and staking, as the area of favorable rocks is very extensive.

The Taurus and Mercury Claims are about 6 claims distant from the Discovery on Hudson's Bay.

The Hudson's Bay Company has built a truck road from the Alaska Highway to their Discovery Claims, along Quill Creek, a distance of about 18 miles.

This road passes within 3 miles of the Taurus and Mercury Claims and a road can be built to the claims with a bull-dozer in a short time.

This group of 84 claims is well located with relation to the Hudson's Bay Company nickel discovery, and has favorable geological conditions. Copper float has been found on the claims and systematic prospecting may disclose important ore deposits of copper and nickel.


.....
E.M. Flynn A.E.

Whitehorse, Y.T.

August 29th, 1952.

E. MILES FLYNN

MINING ENGINEER

SUPPLEMENTARY REPORT
ON SNOLINE GROUP.

A crew of prospectors was put to work on these claims on September 15th, 1952 to try to find a vein of nickel-copper ore of sufficient importance to warrant placing a diamond drill on the property before winter set in.

A camp site was selected on Swede Creek and a pack trail was cut from the Quill Creek road to the camp site, a distance of four miles. Ten pack horses were used to transfer the supplies for the crew to the camp site from Quill Creek.

Two 14' x 18' tents were set up first and a log cabin 16' x 18' was built as a bunk-house.

The men were sent out in pairs to cover as much ground as possible but the higher ridges on the south boundary of the claims were so far from the camp that it was not feasible to try to prospect them. So that most of the prospecting was done on the lower claims.

Considerable float was found showing copper stains and a piece of rusty diorite found in the creek on the line between Snoline # 5 and Snoline # 6 assayed 1.45% nickel.

In some of the creeks which cut through the sedimentary formations, thin seams of coal can be seen in the creek beds, interbedded in the sediments which are mostly slates, schists and quartzites, with occasional thin beds of limestone.

There is a band of these coal bearing sediments along the north side of the Snoline group and another band along the high ridges on the south side, as shown on the accompanying map.

The rock formations which lie between these bands are mostly igneous, some extrusive and some intrusive. The intrusive dikes of dioritic material are the ones which are most likely to be mineralized with nickel and copper bearing pyrrhotite. This is the area which should be more extensively prospected next season.

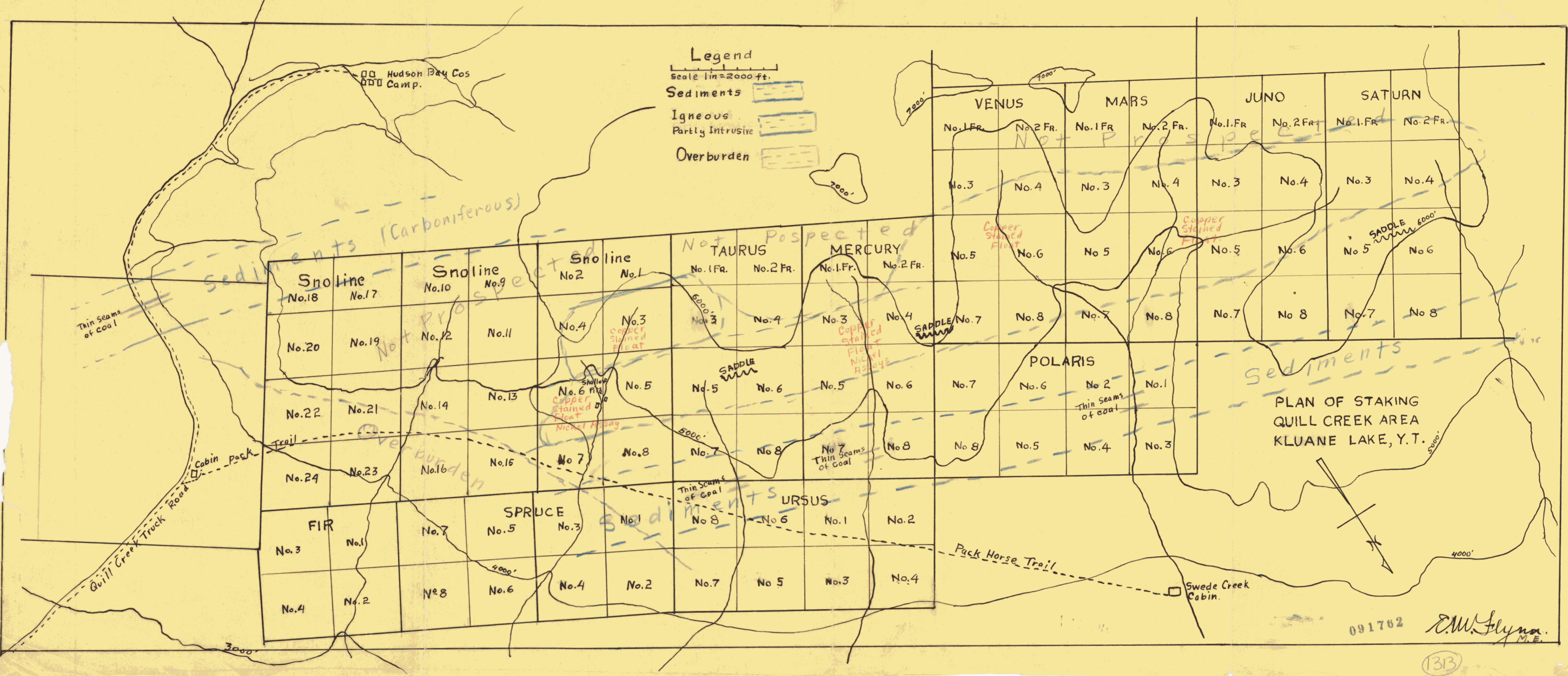
No ore bodies were found during this limited prospecting effort. A few shallow pits were made along the creek on Snoline # 5 and Snoline # 6 to test the formations. The mineralized float that was found, however, gives considerable encouragement and more extensive prospecting is warranted.

approved
E. M. Flynn
.....
M. E.
29 Sept '53.

WHITEHORSE, Y.T.
September 10th, 1953.

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Legend
 Scale 1 in = 2000 ft.
 Sediments [Symbol]
 Igneous [Symbol]
 Partly Intrusive [Symbol]
 Overburden [Symbol]



PLAN OF STAKING
 QUILL CREEK AREA
 KLUANE LAKE, Y.T.

091762 E.W. Flynn M.E.