

092177



Indian and Northern  
Affairs Canada

Affaires indiennes  
et du Nord Canada

**NORTHERN NON-RENEWABLE RESOURCES BRANCH  
DIRECTION DES RESSOURCES NON-RENOUVELABLES DU NORD**

**PROSPECTORS' ASSISTANCE PROGRAM  
PROGRAMME D'AIDE AUX PROSPECTEURS**

**YUKON TERRITORY AND NORTHWEST TERRITORIES  
YUKON ET TERRITOIRES DU NORD-OUEST**

**DAILY DIARY - AGENDA**

**19.8.3...**

**092177**

**Name** WARRICK, Ian.....  
**Nom**

**Name** ROBERTSON, Katherine....  
**Nom**

**Address** Box 4707, Whitehorse, Y.T. Y1A3V7.  
**Adresse**

Date July 24th ..... Day No. 20 .....  
Jour No. ....

Weather Sunny & warm .....  
Temps .....

Latitude and Longitude of area prospected 63° 05' N 140° 55' W  
Latitude et Longitude de la zone prospectée .....

Rock types encountered .....  
Types de roches trouvées dans la zone .....

(a) Granite .....

(b) Intrusives .....  
Roches d'injection .....

(c) Sediments .....  
Roches sédimentaires .....

(d) Volcanics .....  
Roches volcaniques .....

(e) Mineralization .....  
Minéralisation .....

GENERAL COMMENTS - COMMENTAIRES D'ORDRE GÉNÉRAL

- traversed north again along ridgetops cracking float
- find good quartz veins or stockwork on ridgetop overlooking Claymore.
- though much previous activity in vicinity none of the quartz had been cracked.
- vein traced through felsensmeer for 30 meters
- visible gold present associated (?) with unaltered

Sketch Map of Area Covered, or Additional Comments.

Croquis de la Zone Intéressée, ou Autres Commentaires.

arsenopyrite

- no goossan
- other float containing malachite (very small 5mm ~~zoned~~ aureoles) enclosing tetrahedrite(?)
- galena and large massive quantities of Jamesonite (?)
- well formed calcite crystals in quartz vugs
- acicular boulangerite (?) in quartz matrix
- sphalerite - encrusted along with limonite and Smithsonite
- veins do not outcrop, but can be traced through felsensmeer float. Widths appear to vary from 6" - 3"
- strike trends to the northwest, disappearing into the buckbrush layer. Dip cannot be observed because of shallow overburden.

Date June 23rd ..... Day No. 1 .....  
Jour No.

Weather Sunny and hot .....  
Temps

Latitude and Longitude of area prospected 60° 10' N 136° 30' W .....  
Latitude et Longitude de la zone prospectée

Rock types encountered .....  
Types de roches trouvées dans la zone

(a) Granite .....

(b) Intrusives .....  
Roches d'injection

(c) Sediments .....  
Roches sédimentaires

(d) Volcanics .....  
Roches volcaniques

(e) Mineralization .....  
Minéralisation

GENERAL COMMENTS - COMMENTAIRES D'ORDRE GÉNÉRAL

(Kusawa)

- booted down lake, cached boat
- rendezvous with Alcan Air C185 at Frederick Bay.
- flown up to highest lake - Charcoal Lk - and establish base camp
- traverse on talus slope above camp.
- coarse gran-diorite

Sketch Map of Area Covered, or Additional Comments.

Croquis de la Zone Intéressée, ou Autres Commentaires.

- see attached map for day's traverses, etc.

Date June 24th ..... Day No. 2 .....  
Jour No. ....

Weather sunny & hot ..... cloudy in evening .....  
Temps .....

Latitude and Longitude of area prospected 60°10'N 136°30'W .....  
Latitude et Longitude de la zone prospectée .....

Rock types encountered .....  
Types de roches trouvées dans la zone .....

(a) Granite .....

(b) Intrusives .....  
Roches d'injection .....

(c) Sediments .....  
Roches sédimentaires .....

(d) Volcanics .....  
Roches volcaniques .....

(e) Mineralization .....  
Minéralisation .....

GENERAL COMMENTS - COMMENTAIRES D'ORDRE GÉNÉRAL

-traverse around lake  
-coarse grained granodiorite → diorite phase  
some greiss, local alteration near fracture  
fillings and basalt contacts  
-grey green basalt dykes 2 → 10 meters  
wide

Sketch Map of Area Covered, or Additional Comments.

Croquis de la Zone Intéressée, ou Autres Commentaires.

Date June 25th Day No. 3

.....  
Jour No.

Weather rain night & morning, then sunny & hot  
Temps

Latitude and Longitude of area prospected 60° 10' N 136° 30' W  
Latitude et Longitude de la zone prospectée

.....  
Rock types encountered  
Types de roches trouvées dans la zone

(a) Granite

(b) Intrusives  
Roches d'injection

(c) Sediments  
Roches sédimentaires

(d) Volcanics  
Roches volcaniques

(e) Mineralization  
Minéralisation

GENERAL COMMENTS - COMMENTAIRES D'ORDRE GÉNÉRAL

- 
- 
- traverse south into cirque
  - coarse grained granodiorite
  - local alteration near orange - weathering  
basalt gossans
  - granite pegmatite with minor garnets &  
mafic alteration
  - orange weathering felsite dykes.
- 
-

Date June 26th ..... Day No. 4 .....

Jour No.

Weather cloudy in morning, then sunny & hot .....  
Temps

Latitude and Longitude of area prospected 60° 10' N 136° 30' W  
Latitude et Longitude de la zone prospectée

Rock types encountered .....  
Types de roches trouvées dans la zone

(a) Granite .....

(b) Intrusives .....  
Roches d'injection

(c) Sediments .....  
Roches sédimentaires

(d) Volcanics .....  
Roches volcaniques

(e) Mineralization .....  
Minéralisation

GENERAL COMMENTS - COMMENTAIRES D'ORDRE GÉNÉRAL

- traverse <sup>south</sup> ~~west~~ into next cirque  
- continuation of felsite sills crossed by  
later basalt dykes  
- orange weathering gossans near altered  
contacts

Date June 27th ..... Day No. 5 .....  
Jour No. ....

Weather mostly cloudy & breezy .....  
Temps .....

Latitude and Longitude of area prospected 60° 10' N 136° 30' W .....  
Latitude et Longitude de la zone prospectée .....

Rock types encountered .....  
Types de roches trouvées dans la zone .....

(a) Granite .....

(b) Intrusives .....  
Roches d'injection .....

(c) Sediments .....  
Roches sédimentaires .....

(d) Volcanics .....  
Roches volcaniques .....

(e) Mineralization .....  
Minéralisation .....

GENERAL COMMENTS - COMMENTAIRES D'ORDRE GÉNÉRAL

- traversed southeast up main valley floor  
- terminal moraine and eskers, kettles, etc.  
- again, only local alteration of coarse  
garnetiferous felsite near felsite dykes  
- chloritization

Date June 28th ..... Day No. 6 .....

.....  
Jour No.

Weather overcast & warm .....  
Temps

Latitude and Longitude of area prospected 60° 10' N 136° 30' W  
Latitude et Longitude de la zone prospectée

.....  
Rock types encountered .....  
Types de roches trouvées dans la zone

(a) Granite .....

(b) Intrusives .....  
Roches d'injection

(c) Sediments .....  
Roches sédimentaires

(d) Volcanics .....  
Roches volcaniques

(e) Mineralization .....  
Minéralisation

GENERAL COMMENTS - COMMENTAIRES D'ORDRE GÉNÉRAL

-traversed southeast to investigate brown  
weathering gossan at 6500' altitude  
-uninteresting altered granite, minor  
basalt and quartz vein



Date June 29th.....

Day No. 7.....

Jour No.

Weather rainy.....  
Temps

Latitude and Longitude of area prospected 60° 10' N 136° 30' W  
Latitude et Longitude de la zone prospectée

Rock types encountered .....  
Types de roches trouvées dans la zone

(a) Granite .....

(b) Intrusives .....  
Roches d'injection

(c) Sediments .....  
Roches sédimentaires

(d) Volcanics .....  
Roches volcaniques

(e) Mineralization .....  
Minéralisation

GENERAL COMMENTS - COMMENTAIRES D'ORDRE GÉNÉRAL

- traversed around lake at higher altitudes
- granodiorite ~~in~~ phase smaller crystals
- granite porphyry float
- large basalt dykes

Date June 30th ..... Day No. 8 .....

Jour No.

Weather rain & sun... thunderstorm in evening  
Temps

Latitude and Longitude of area prospected 60° 10' N 136° 30' W  
Latitude et Longitude de la zone prospectée

Rock types encountered .....  
Types de roches trouvées dans la zone

(a) Granite .....

(b) Intrusives .....  
Roches d'injection

(c) Sediments .....  
Roches sédimentaires

(d) Volcanics .....  
Roches volcaniques

(e) Mineralization .....  
Minéralisation

GENERAL COMMENTS - COMMENTAIRES D'ORDRE GÉNÉRAL

- traverse south into large cirque, rockslides.  
- basalt dykes, fairly unaltered granites  
- some quartz pegmatites with minor garnets  
and mafic alteration on gossan ~~par~~ and  
quartz lenses paralleling basalt dyke  
swarms.

Date July 1st ..... Day No. 9 .....  
Jour No.

Weather mixed rain & sun .....  
Temps

Latitude and Longitude of area prospected 60° 10' N 136° 30' W  
Latitude et Longitude de la zone prospectée

.....  
Rock types encountered .....  
Types de roches trouvées dans la zone

(a) Granite .....

(b) Intrusives .....  
Roches d'injection

(c) Sediments .....  
Roches sédimentaires

(d) Volcanics .....  
Roches volcaniques

(e) Mineralization .....  
Minéralisation

GENERAL COMMENTS - COMMENTAIRES D'ORDRE GÉNÉRAL

- broke camp & began walk out - thick buckbrush
- mainly glacial sediments in low-slope valley bottom
- outcrops of similar coarse grained granodiorite on Charcoal Creek
- creeks contain very wide selection of Coast Intrusions and metasediment, & volcanics
- found outfitters horse trail on west side of Klukini River

Date July 2nd . . . . . Day No. 10

Jour No.

Weather rainy with low clouds clearing in evening  
Temps

Latitude and Longitude of area prospected 60° 10' N 136° 30' W  
Latitude et Longitude de la zone prospectée

Rock types encountered . . . . .  
Types de roches trouvées dans la zone

(a) Granite . . . . .

(b) Intrusives . . . . .  
Roches d'injection

(c) Sediments . . . . .  
Roches sédimentaires

(d) Volcanics . . . . .  
Roches volcaniques

(e) Mineralization . . . . .  
Minéralisation

GENERAL COMMENTS - COMMENTAIRES D'ORDRE GÉNÉRAL

-broke camp and continued walk out  
-traversed north checking larger creek float  
-granite range with similar composition  
(i.e. basalt) and little alteration except  
local gossans.

Date July 3rd ..... Day No. 11 .....  
Jour No. ....

Weather mixed cloudy & clear .. thunderstorm .....  
Temps .....

Latitude and Longitude of area prospected 60° 10' N 136° 30' W  
Latitude et Longitude de la zone prospectée .....

Rock types encountered .....  
Types de roches trouvées dans la zone .....

- (a) Granite .....
- (b) Intrusives .....  
Roches d'injection .....
- (c) Sediments .....  
Roches sédimentaires .....
- (d) Volcanics .....  
Roches volcaniques .....
- (e) Mineralization .....  
Minéralisation .....

GENERAL COMMENTS - COMMENTAIRES D'ORDRE GÉNÉRAL

- stayed at Alder Camp (local name)  
- traversed southwest up Devil's Club Creek  
checking float  
- chalcopyrite altering to malachite on  
green argillite and quartz glacial float :-  
very rare  
- returned down creek to camp.  
- continue down horse trail on west side

Sketch Map of Area Covered, or Additional Comments.

Croquis de la Zone Intéressée, ou Autres Commentaires.

of Klukini River. Camped at large creek  
mouth

Date July 4th ..... Day No. 12 .....  
Jour No. ....

Weather Sunny .....  
Temps .....

Latitude and Longitude of area prospected 60° 10' N 136° 30' W  
Latitude et Longitude de la zone prospectée

Rock types encountered .....  
Types de roches trouvées dans la zone

(a) Granite .....

(b) Intrusives .....  
Roches d'injection

(c) Sediments .....  
Roches sédimentaires

(d) Volcanics .....  
Roches volcaniques

(e) Mineralization .....  
Minéralisation

GENERAL COMMENTS – COMMENTAIRES D'ORDRE GÉNÉRAL

- cracked creek float in creek
- megmatite, schists, minor porphyritic float and highly altered granodiorite boulders.
- continue down horse trail to camp
- reach lake very late

Date July 12th ..... Day No. 13 .....  
Jour No. ....

Weather rainy .....  
Temps .....

Latitude and Longitude of area prospected 60° 15' N 136° 20' W  
Latitude et Longitude de la zone prospectée

Rock types encountered .....  
Types de roches trouvées dans la zone

- (a) Granite .....
- (b) Intrusives .....  
Roches d'injection
- (c) Sediments .....  
Roches sédimentaires
- (d) Volcanics .....  
Roches volcaniques
- (e) Mineralization .....  
Minéralisation

GENERAL COMMENTS - COMMENTAIRES D'ORDRE GÉNÉRAL

-boated down Kusawa Lake to mouth of  
Devilhole Creek and cached boat  
-packed camp in to old silt-sediment copper  
& silver anomaly  
-made camp, and cracked float in creek  
-malachite staining in willow

Date July 13th ..... Day No. 14 .....  
Jour No. ....

Weather fairly sunny in afternoon .....  
Temps .....

Latitude and Longitude of area prospected 60° 15' N 136° 20' W  
Latitude et Longitude de la zone prospectée .....

Rock types encountered .....  
Types de roches trouvées dans la zone .....

(a) Granite .....

(b) Intrusives .....  
Roches d'injection .....

(c) Sediments .....  
Roches sédimentaires .....

(d) Volcanics .....  
Roches volcaniques .....

(e) Mineralization .....  
Minéralisation .....

GENERAL COMMENTS - COMMENTAIRES D'ORDRE GÉNÉRAL

- traversed west up creek to determine float origin
- granite in some places very highly altered. Orange weathering
- basalt dykes with schist and migmatite
- chalcopirite & quartz float 10mm quartz lense in unaltered granite, possible glacial origin
- nothing found in situ
- return to camp + scoured mountainsides for interesting gossans



Date July 14th ..... Day No. 15 .....  
Jour No. ....

Weather sunny with rain showers .....  
Temps .....

Latitude and Longitude of area prospected 60° 15' N 136° 20' W  
Latitude et Longitude de la zone prospectée .....

Rock types encountered .....  
Types de roches trouvées dans la zone .....

(a) Granite .....

(b) Intrusives .....  
Roches d'injection .....

(c) Sediments .....  
Roches sédimentaires .....

(d) Volcanics .....  
Roches volcaniques .....

(e) Mineralization .....  
Minéralisation .....

GENERAL COMMENTS – COMMENTAIRES D'ORDRE GÉNÉRAL

-checked willow and esker float in vicinity of malachite occurrence. No origin found  
-broke camp and return to boat at Kusawa Lake

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Date July 20th ..... Day No. 16 .....  
Jour No. ....

Weather sunny with clouds & showers .....  
Temps .....

Latitude and Longitude of area prospected 63° 05' N 140° 55' W  
Latitude et Longitude de la zone prospectée

Rock types encountered .....  
Types de roches trouvées dans la zone

(a) Granite .....

(b) Intrusives .....  
Roches d'injection

(c) Sediments .....  
Roches sédimentaires

(d) Volcanics .....  
Roches volcaniques

(e) Mineralization .....  
Minéralisation

GENERAL COMMENTS - COMMENTAIRES D'ORDRE GÉNÉRAL

- fly into Moosehorn Range from Dawson by Hughes TNIA helicopter
- establish base camp at site of old Great Bear camp.
- locate HILL claimstake and boundaries
- check talus slope near camp - hornblende biotite granodiorite with some quartz pegmatite
- some diorite and gneiss

Date July 21st ..... Day No. 17 .....  
Jour No. ....

Weather sunny with rain showers .....  
Temps .....

Latitude and Longitude of area prospected 63° 05' N 140° 55' W  
Latitude et Longitude de la zone prospectée .....

Rock types encountered .....  
Types de roches trouvées dans la zone .....

(a) Granite .....

(b) Intrusives .....  
Roches d'injection .....

(c) Sediments .....  
Roches sédimentaires .....

(d) Volcanics .....  
Roches volcaniques .....

(e) Mineralization .....  
Minéralisation .....

GENERAL COMMENTS - COMMENTAIRES D'ORDRE GÉNÉRAL

-traverse southeast along range  
-porphyritic quartz diorites and granite  
porphyrys  
-no quartz veins  
-panned creek bottoms for heavy metal content -  
some very fine gold and a fair bit of arsenopyrite

Date August 10th ..... Day No. 30 .....  
Jour No.

Weather rain showers & overcast... less windy...  
Temps

Latitude and Longitude of area prospected 60° 14' N... 136° 25' W.  
Latitude et Longitude de la zone prospectée

Rock types encountered .....  
Types de roches trouvées dans la zone

(a) Granite .....

(b) Intrusives .....  
Roches d'injection

(c) Sediments .....  
Roches sédimentaires

(d) Volcanics .....  
Roches volcaniques

(e) Mineralization .....  
Minéralisation

GENERAL COMMENTS - COMMENTAIRES D'ORDRE GÉNÉRAL

- traversed west out of volcanics  
- arsenopyrite, galena, sericite observed  
at contact - very rare sulfides  
- brecciated basalt (black) with phenocrysts  
(100 mm) of unaltered granodiorite in  
basalt matrix  
- alteration zone of highly altered chloritized  
granite

Date August 18th Day No. 38  
Jour No.

Sketch Map of Area Covered, or Additional Comments.

Croquis de la Zone Intéressée, ou Autres Commentaires.

Weather overcast, low cloud in evening  
Temps

Latitude and Longitude of area prospected 60°14'N 136°25'W  
Latitude et Longitude de la zone prospectée

Rock types encountered  
Types de roches trouvées dans la zone

- (a) Granite
- (b) Intrusives  
Roches d'injection
- (c) Sediments  
Roches sédimentaires
- (d) Volcanics  
Roches volcaniques
- (e) Mineralization  
Minéralisation

GENERAL COMMENTS - COMMENTAIRES D'ORDRE GÉNÉRAL

- moved camp down Goat Creek one mile
- traversed north on side of Red Mountain range
- talus slopes mainly unaltered felsic granite
- molybdenite and pyrite in altered fracture fillings - very rare
- large blebs of moly in diorite-phase breccia

- more smoky quartz pegmatites
- some unaltered chalcopyrite in brick-red gossan.
- earlier smoky quartz pegmatites possibly contain pitchblende or perovskite (niobium-rare earth) microcline

Date September 20th ..... Day No. 56 .....  
Jour No.

Weather mostly cloudy.. very windy .....  
Temps

Latitude and Longitude of area prospected 60° 15' N. 136° 50' W.  
Latitude et Longitude de la zone prospectée

.....  
Rock types encountered .....  
Types de roches trouvées dans la zone

(a) Granite .....

(b) Intrusives .....  
Roches d'injection

(c) Sediments .....  
Roches sédimentaires

(d) Volcanics .....  
Roches volcaniques

(e) Mineralization .....  
Minéralisation

GENERAL COMMENTS - COMMENTAIRES D'ORDRE GÉNÉRAL

- fly in by Alcan Air to Howard Lake  
- set up base camp at north end.  
- traversed west onto range & cracked  
float  
med sediment, intrusive contact. No  
limestones

Date September 22nd ..... Day No. 58 .....  
Jour No. ....

Weather clearish and windy .....  
Temps .....

Latitude and Longitude of area prospected 60° 15' N 136° 50' W .....  
Latitude et Longitude de la zone prospectée .....

Rock types encountered .....  
Types de roches trouvées dans la zone .....

(a) Granite .....

(b) Intrusives .....  
Roches d'injection .....

(c) Sediments .....  
Roches sédimentaires .....

(d) Volcanics .....  
Roches volcaniques .....

(e) Mineralization .....  
Minéralisation .....

#### GENERAL COMMENTS - COMMENTAIRES D'ORDRE GÉNÉRAL

- traversed north along valley floor to granite outcrops
- unaltered leucocratic granites
- no mineralization observed

Date September 23rd ..... Day No. 59 .....  
..... Jour No. ....

Weather mostly clear . very windy .....  
Temps .....

Latitude and Longitude of area prospected 60°15'N 136°50'W .....  
Latitude et Longitude de la zone prospectée .....

.....  
Rock types encountered .....  
Types de roches trouvées dans la zone .....

(a) Granite .....

(b) Intrusives .....  
Roches d'injection .....

(c) Sediments .....  
Roches sédimentaires .....

(d) Volcanics .....  
Roches volcaniques .....

(e) Mineralization .....  
Minéralisation .....

GENERAL COMMENTS - COMMENTAIRES D'ORDRE GÉNÉRAL

- traversed east up mountainside  
- typical Dezadeash intrusives  
- good contact environment :- no  
mineralization, though



Date September 24th Day No. 60  
Jour No.

Weather colder... wind switches & snows...  
Temps

Latitude and Longitude of area prospected 60° 15' N 136° 50' W  
Latitude et Longitude de la zone prospectée

Rock types encountered  
Types de roches trouvées dans la zone

(a) Granite

(b) Intrusives  
Roches d'injection

(c) Sediments  
Roches sédimentaires

(d) Volcanics  
Roches volcaniques

(e) Mineralization  
Minéralisation

GENERAL COMMENTS - COMMENTAIRES D'ORDRE GÉNÉRAL

- traverse southeast to outcrops
- some pegmatites with well-formed pyrites<sup>crystals</sup> and magnetite blebs.
- (- gunshots heard)
- skarn and schists observed in float on creek.
- magnetite diopside skarn.

Date September 25th..... Day No. 61.....  
Jour No.

Weather low cloud, snowing, cold.....  
Temps

Latitude and Longitude of area prospected 60° 15' N 136° 50' W..  
Latitude et Longitude de la zone prospectée

.....  
Rock types encountered .....  
Types de roches trouvées dans la zone

(a) Granite .....

(b) Intrusives .....  
Roches d'injection

(c) Sediments .....  
Roches sédimentaires

(d) Volcanics .....  
Roches volcaniques

(e) Mineralization .....  
Minéralisation

GENERAL COMMENTS - COMMENTAIRES D'ORDRE GÉNÉRAL

- broke camp
- traversed along lakeshore and checked glacial till
- no economic mineralization in immediate area, but good environment
- pick up by Alcan Clin to Whitehorse