

THE CONSOLIDATED MINING & SMELTING CO. OF CANADA LTD.

Mine Series Section No.

ENGINEERING REPORT No.

Date Nov. 30, 1945
(of report)

SNELL'S MOUNT MILLIGAN GROUP

676721

NAME OF PROPERTY

1 Summary & Conclusions

This property should be classified as a gold-silver prospect where scattered gold bearing float has been located but where no gold bearing rock has been located in place.

The bedrock geology indicates that a contact metamorphic deposit of pyrite occurs near a stock of quartz diorite. If any gold values could be located in this type of bedrock there would be possibilities for the discovery of a large replacement type of ore body.

Recommendation: That a geologist spend 3 or 4 days examining the claims and sampling all sulphide mineralization observed.

2 Property

Claims, Numbers, Status, Etc. Surface, Timbers & Water Licences

Group of 10 claims by location. AA., BB., CC., DD., EE., FF., GG., HH., II., and JJ Mineral claims

3 Ownership

Owner & Address Agent & Address Interest held

George Snell Vanderhoof P.O. B.C.
A.R. Snell "
R.M. Snell "
Ray Derauit "

4 Location

Describe Transportation Nearest Town Climate Topography Etc.

Lat. N: 55° 8' 48" Long W: 124° 5' 6" Elevation: 4,000 ft. Province: B. C.
Township: County: Mining Div. or Area. Omineca
Timber: Scrub 2nd growth pine Water: Poor supply Power: Nation River Power Site 12 miles (+2000W.P.?)

Located on west side of Mount Milligan. It is 3 hours by trail from the main highway and 55 miles by highway from Fort St. James.

5 History

Options Exploration Campaigns Dates Etc.

Date Located	Date Recorded	Date Examined
8 claims July 23, 1945	Aug. 14, 1945	Sept. 12th, 1945
2 claims Aug. 29, 1945	Sept. 13, 1945	

"History of discovery" see back of page

Previous Names

6 Production

Nil

7 Developm't

Adits, Shafts, Levels, Elevations Etc.

Drifting	Cross cutting	Sinking	Raising	Total	D. Drilling	Trenching
						7 trenches
						#4 trench 40x3x2
						Others 5x5x1

8 Geology

Areal. Local. Type of Deposit Strikes Dips Shoots Minerals

Contact metamorphic mineralization occurring in silicified and pyritized andesite of Jurassic age. Located about 1/2 mile west of a quartz diorite plug.

There appear to be acid dikes (not true quartz veins) mineralized with pyrite and chlorite cutting through the andesite St. 130 Dip S.W. 75° These dikes vary in width from 1' to 3'.

The only sulphide mineral determined was fine grained pyrite which is disseminated throughout the andesite and locally forms from 1% to 5% of the rock.

The silicified and pyritized andesite and acid dikes were sampled for gold & silver. The mineralization on this property appears similar to that occurring at east end of Witch Lake, where Snell also obtained low gold values.

No gold ore or even gold bearing rock has been located in place yet on this prospect. CNIS samples showed no gold or silver values. Channel samples were taken from all trenches and some selected sulphide material was also assayed.

Snell has obtained interesting gold bearing float over his property but has not located its source. (0.12, 0.15, 4.34, 0.53, Tr and .04 oz. gold/ton.)

9 Ore

Lengths Widths Tonnage Sampling Method Assays Averages Fluxing Properties If near a Smelter

10 Mine Method and Cost

Sinking.

11 Treatment and Cost

--

12 & 13 Equipment and Buildings

None

14 & 15 Financial and Economic Consider'ns

Capital, Deals Markets, Costs Profits, Etc.

--

Appendix - References

Attachments 2 maps: Location, Claims and Assays. Typed

Report by _____

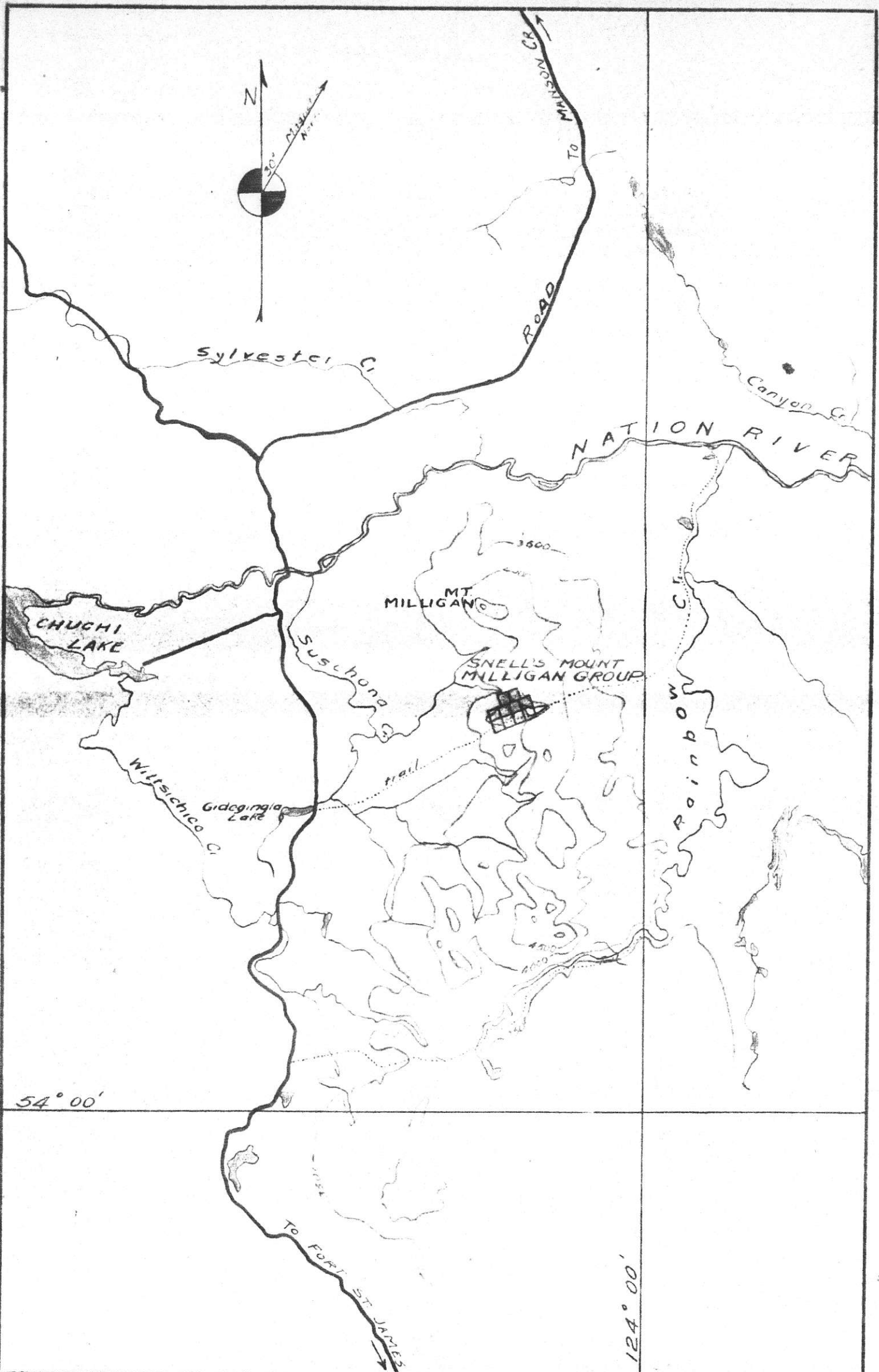
Endorsed by _____

Distribution

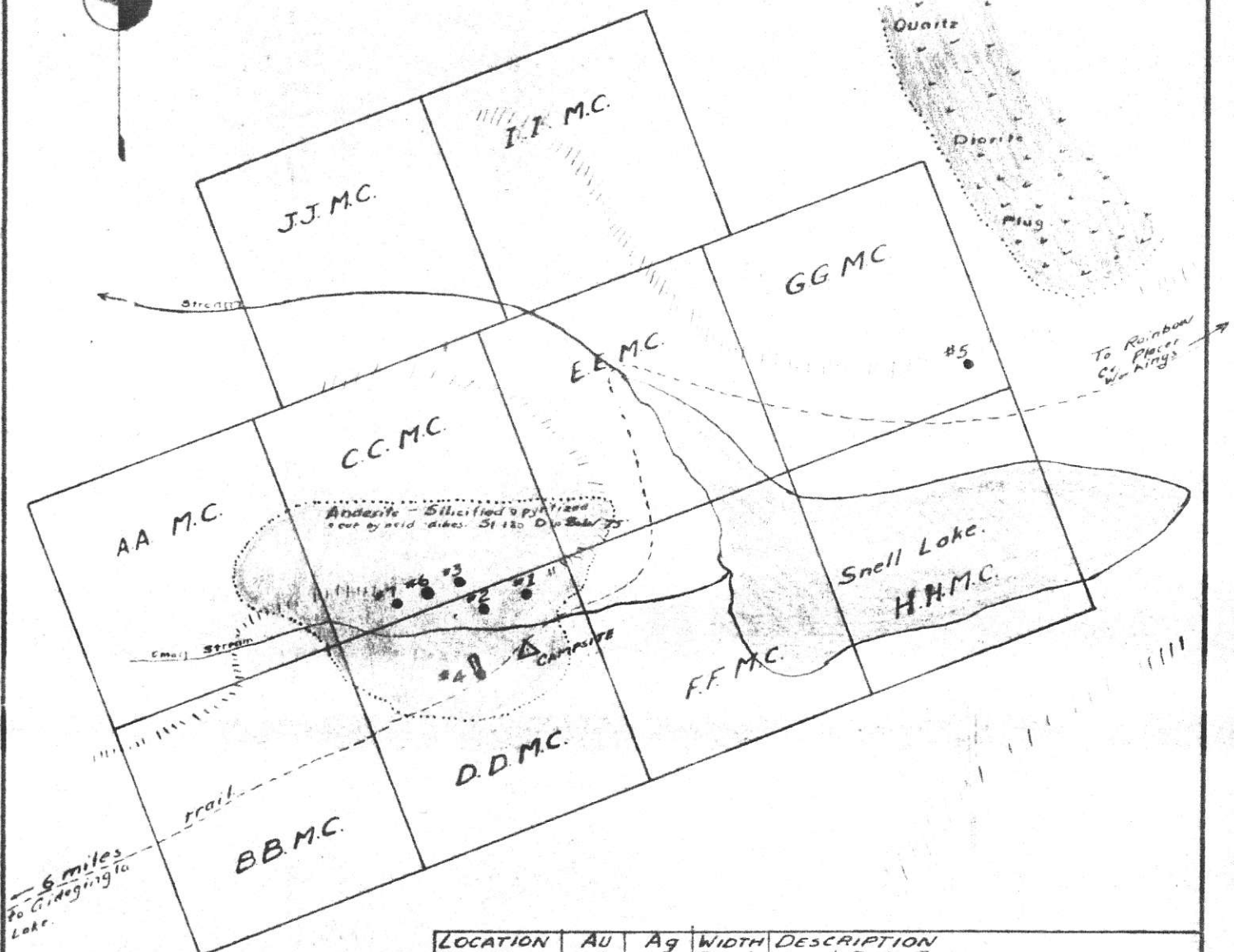
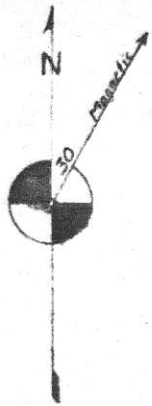
Trail Office File 2 Dis. Supt. / Others G.M. -
Kardexed by _____ Date _____

HISTORY:

- July 1937 - George Snell while cutting a pack trail into his placer camp on Rainbow Creek obtained a sample from this locality which assayed 0.12 oz. Au/ton.
- June 1945 - When Snell was prospecting in this same area again he took five samples (see assay plan) which assayed 0.15, 4.34, 0.53, Tr and .04 oz. Au/ton. These samples were all float apparently.
- July 1945 - C. Cleveland (Bralorne) examined his property and did not obtain any high assays. Cleveland recommended that they trench the surface under the localities they discovered the float. Snell dug 7 shallow trenches. In August a forest fire burnt over the claims destroying the claim posts but exposing bedrock better.
- Sept. 1945 - C.M.S. Co. sampled all the bedrock exposed in the trenches but obtained no gold or silver values.



DRAWN BY <i>G.M.</i>		TRACED BY		THE CONSOLIDATED MINING & SMELTING CO. OF CANADA LTD.	PROPERTY: SNELL'S MOUNT MILLIGAN GROUP	
REVISOR	DATE	REVISOR	DATE		LOCATION	SCALE 1 inch = 3 miles
				MANSON CREEK SHEET AREA: OMINECA M.D. B.C.	DATE: Nov 30/45	PLATE No. 1



SAMPLED BY		LOCATION	AU	Ag	WIDTH	DESCRIPTION
		Trench Measurement	oz/ton	oz/ton	FT IN	Sample Type Rock Type
G. SNELL	July 1937	#4	.12			Select.
G. SNELL	June 25 1945	#1	.15			Select. Andesite + pyrite
		#4	4.34			" Sulphides in andesite from south end of Trench #4
		#5	.53			" Flout
		#6	Tr			" Andesite + pyrite
		#7	.04			" Andesite + pyrite
C.M. & S. Co.	Sept 22 1945 (C. Mason & Karl Haugen)	#4 South 0-5	Tr	Tr		Channel Andesite + 3% pyrite med graind
		" 0-5	"	"		Select. " silicified pyrite f.g.
		" 0-5	"	"		Select. Fine graind pyrite.
		" 5-10	"	"	5'	Channel And. - silicified + 3% pyrite + 6" Quartz
		" 5-10	"	"	6'	" Quartz vein with pyrite + chlorite
		" 5-10	"	"	12"	" Aplite dike + pyrite
		" 10-25	"	"	15'	" Andesite - sil. dikes
		" 25-45 North	"	"	20'	" And. with 3' dyke aplite + pyrite
		#1 0-5	"	"	5'	" And. f.g. + 1% pyrite
		" 3-10	"	"	5'	" " + 1% "
		#3	"	"	5'	" And. with 6" patches of pyrite
		#6	"	"	8'	" And. - silic. pyrite + 12" aplite dyke
		"	"	"	12"	" Aplite (quartz porphyry) dyke
		#2	"	"	3'	" Andesite f.g. silicified
		FLOUT	"	"	6'	Select. Vein carbonate + pyrite.

DRAWN BY G.M.		TRACED BY		THE CONSOLIDATED MINING & SMELTING CO. OF CANADA LTD.	PROPERTY: SNELL'S MOUNT MILLIGAN GROUP	
REVISED BY	DATE	REVISED BY	DATE		CLAIMS AND ASSAYS	
				SCALE 1 inch = 1000 feet		
AREA: MANSON CREEK SHEET				DATE: Nov. 30/45	PLATE No. 2	



*Snell Lake - looking eastwards to
Rainbow Cr. valley*



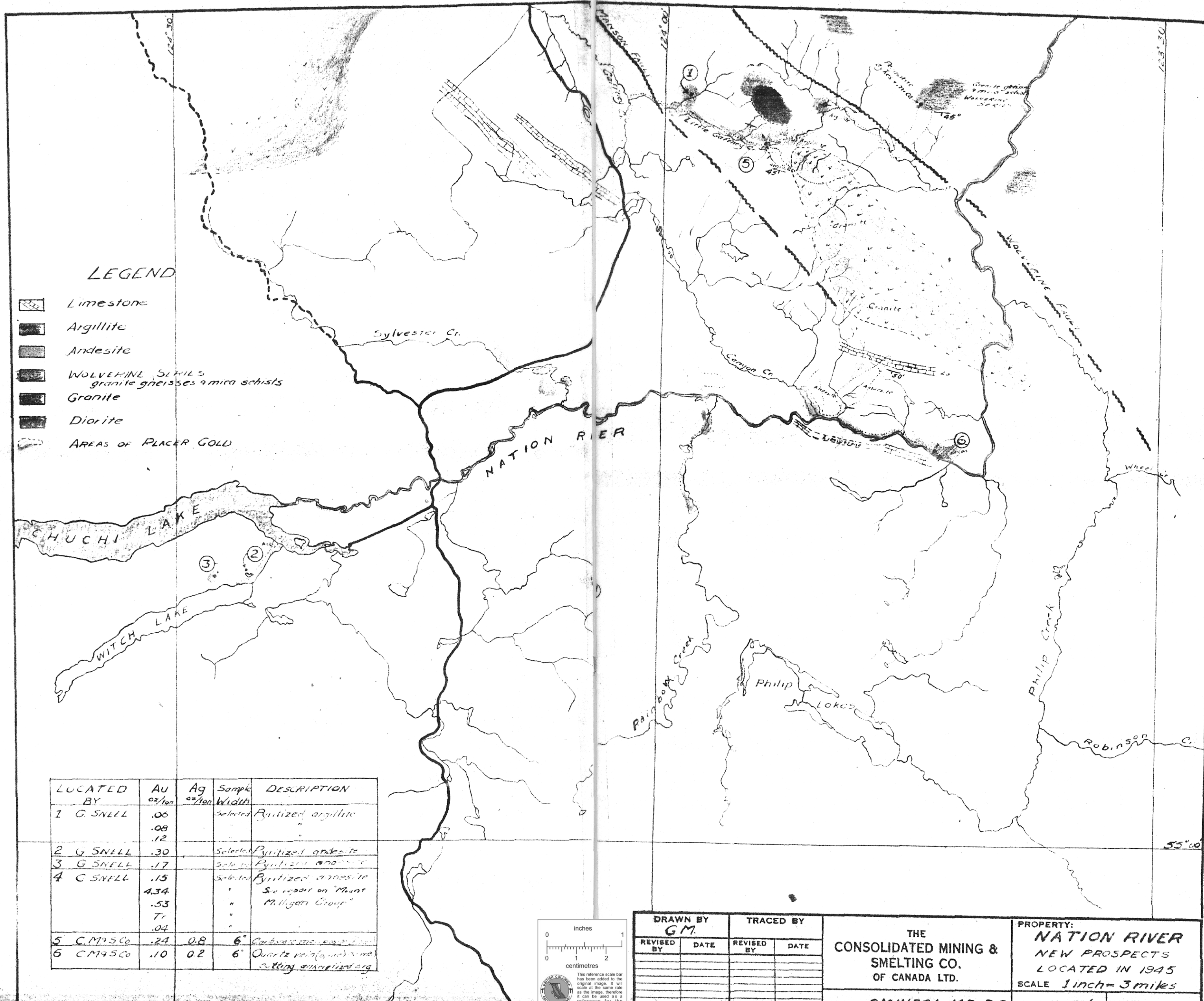
*Claims burned in August. - Looking
east through pass to Rainbow Cr.*

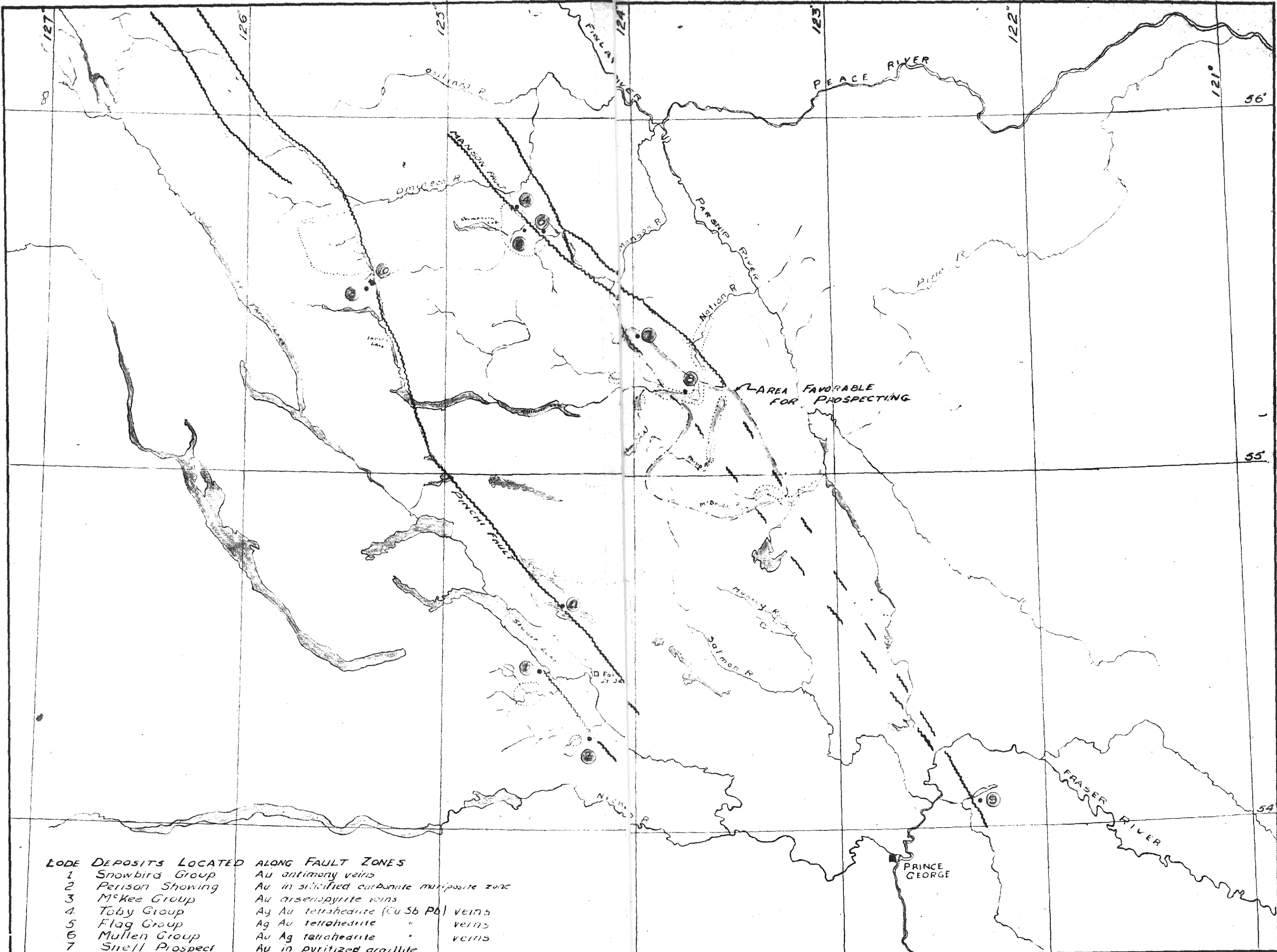


*View looking south - series of
shallow trenches in pyritized andesite
in immediate foreground.*



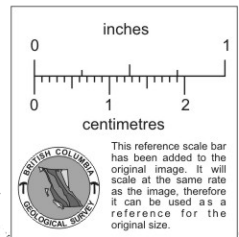
*Trench #4 where gold bearing
float was located*





LODE	DEPOSITS LOCATED	ALONG FAULT ZONES
1	Snowbird Group	Au antimony veins
2	Perison Showing	Au in silicified carbonate matrix zone
3	McKee Group	Au arsenopyrite veins
4	Toby Group	Ag Au tetrahedrite (Cu Sb Pb) veins
5	Flag Group	Ag Au tetrahedrite " veins
6	Mullen Group	Au Ag tetrahedrite " veins
7	Snell Prospect	Au in pyritized argillite
8	C.M.95 Prospect	Au galena veins
9	Timber Group	Zn replacement in sheared andesite
10	Takla Mercury	Hg " in limestone
11	Pinchi Lake Mercury	Hg & Sb replacement in limestone

○ AREAS OF PLACER GOLD



DRAWN BY G.M.		TRACED BY		THE CONSOLIDATED MINING & SMELTING CO. OF CANADA LTD.	PROPERTY:
REVISED BY	DATE	REVISED BY	DATE		MANSON FAULT SOUTHERN EXTENSION
					SCALE 1 inch = 15.78 miles
AREA: OMINECA MD. B.C.				DATE: Nov. 30, 1910	PLATE No.