

15288

(Property: Macumo)

(N.T.R. 93 M/14(W))

GEOLOGY:

(a) Regional: Contorted argillites & greywackes of the Hazelton Group with generally northern strikes & eastern dips have been intruded by large quartz diorite stocks at the head & near the bottom of Sperry Creek.

(b) Property: A monzonite plug lying between the stocks mentioned above
General statement: has been exposed for 3000 feet in the valley of Sperry Cr. Fractures in this plug are mineralized with chalcopyrite & molybdenite.

Rock types: Sediments: Argillites, greywackes.
Intrusives: Quartz diorite, monzonite, basic & acidic dykes.
Structures: Cu-Mo mineralization
 occurs in fractures as follows: Str: 050 045 070 140 060 100
 Dip: 30S.E. 60S.E. 70 S 35S.W. 85 N. 20 N.

Mineralization:
Type(s): Porphyry
Ore minerals: Chalcopyrite, molybdenite
Gangue minerals: Pyrite, quartz

Alteration: Minor

Ore controls: 1. Monzonite host rock
 2. Fracturing

(c) Economic:	Years	Tons Milled	Au	Ag	Metals Recovered									
					Cu	Pb	Zn							
Production:														
None.														
<u>Mineralized Bodies:</u>														
Name	Length	Width	Depth	Volume	Tons	Au	Ag	Cu	Pb	Zn	MoS ₂			
Continuous channel samples		110 ft						0.09%			0.026%			
		60 ft						0.06%			0.016%			

(d) Exploration:

Direct:	Number	Size	Footages				By	Years
X - Cut	none							
Drift	none							
Shaft	none							
Raise	none							
D.D.H.	none							
Percussion D.H.	none							
Trenching	12		30	40	Total: 1,500'		Newmont	1968

Indirect:	Type	By	Results	Date
Geophysical	none			
Geochemical	Silt sampling Sperry Creek	Max Martin	Original discovery	1967
Geological mapping		D.R. Morgan	Mineralized area outlined	July 68
Survey	Brunton & tape	D.R. Morgan		July 68

REFERENCES:

(a) Reports:

	Author	Title	Number	Date	For
1.	Morgan, D.R.	"Macumo Property"		July '68	Newmont
2.					
3.					
4.					
Annual Reports		Year: '67 '68			
Min. of Mines		Page: 86 117			

(b) Maps:

	By	Title & Scale	Number	Date	For
5.	Armstrong	Hazelton 1" - 2 miles	44 - 24	1944	G.S.C.
6.	Carter & Kirkham	Hazelton Area 1" - 4 miles	69 - 1	1969	B.C.D.M.
7.					

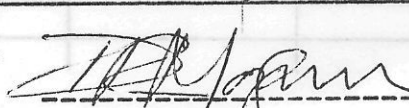
(c) Airphotos:

Flight line	Photo #s
Bc4352 BC4353 BC4353 BC4353 BC4353	170-176 040-046 158-164 179-185 161(camp area)

Accompanying this Report:

- 1" - 500ft map
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Report By: D.R. Morgan, geologist, P. Eng.
 Report for:
 Dates of Examination: 5 June - 11 July 1968
 Date of report: 1 May 1970

Signed, 

DAVID R. MORGAN, P. ENG.

CONSULTING GEOLOGIST

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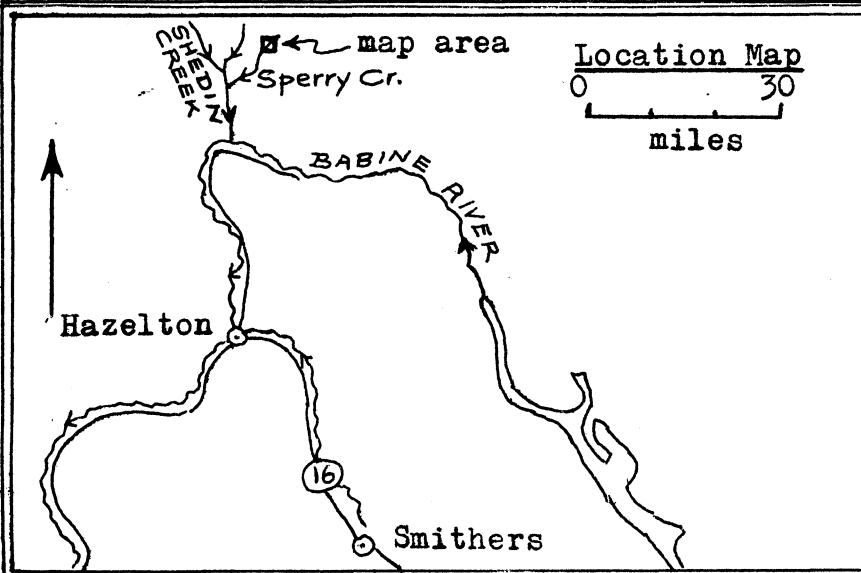
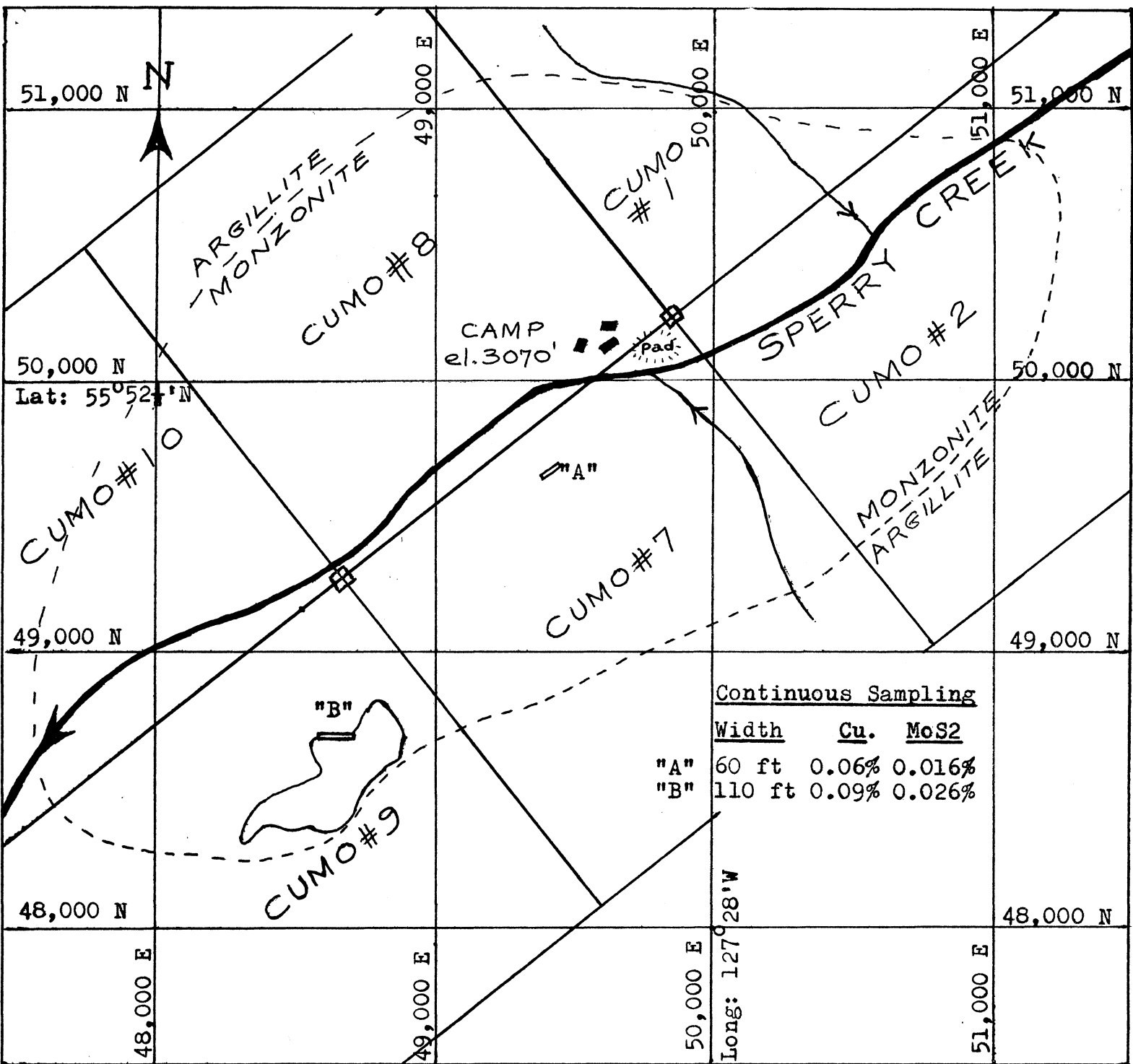
(FOR EXPERIENCE SEE OVER)

PERSONAL DATA

BORN: January 16, 1930 at Kootenai Old Fields, South India

DEGREE: B.Sc., McGill University, 1954. (Honours Geology)

YEAR	COMPANY	AREA	EXPERIENCE
1952	Quebec Dept. of Mines	Chibougamau, Que.	Student assist., detail mapping
1953	Labrador M & Exp.	Labrador	Student assist., detail mapping
1954	Britannia M & S	Howe Sound, B.C.	Surface surveying & mapping
1955	Jackson Basin M.L.	Slocan B.C.	Surface & u/g mapping
1956	Trojan Ex.	Highland Valley. B.C.	Detail mapping of porphyry Cu.
'56-57	Con. Halliwell	Haiti. West Indies	Mine geologist. Surface & u/g
1957	Continental Mng.	Sioux Lookout, Ont.	Geological mapping by contract
1958	Ultra Shawkey M.L.	Baffin Island, N.W.T.	Mapping and drill supervision
'59-61	James Richardson	Toronto	Research on mining securities
1961	Peel Resources	Merritt B.C.	Magnetometry & geochem survey
1963	Belle Tahsis	Windermere. B.C.	Detail survey of silver ppty.
1964	Peso Silver	Mayo, Yukon	Supervision of 5 expl. parties
1965	Calix G.M.L.	Colville, Wash. U.S.	Detail u/g mapping of Zn. ppty.
1966	Calix M.L.	Florence. Arizona	Prospect evaluations
1967	B. I. Nesbitt	Brenda Shuswap	Mapping & map surveys
'68-69	Cannon Engineering	Salmon, Idaho	Prospect evaluations
		Sperry Cr., Coal Creek	Mapping, drill supervision
		Magdalena, Cd. Victoria	
		Mexico	Surface & u/g mapping



Macumo Property

Omineca Mining Division, B.C.

GEOLOGY

Scale: 1 inch to 500 feet

Date: 1 May 1970

By: D.R. Morgan, geologist