

NAME OF PROPERTY VIRGIL

OBJECT LOCATED - Location from Geology, Exploration, and Mining, 1974.

UNCERTAINTY IN METRES Lat. 55°42.7' Long. 124°24.6'

Mining Division	Omineca	District
County		Township or Parish
Lot		Concession or Range
Sec	Tp.	R.

HISTORY OF EXPLORATION AND DEVELOPMENT

The property is located at the 1,625 metre elevation, 7 kilometres northeast of Manson Creek settlement.

The showings were discovered in July 1971 by Ernest Floyd of Manson Creek who located the Vergil 1-6 claims in September of that year. Panther Mines Ltd. optioned the property in July 1973 and negotiated a sub-option with Texaco Canada Limited. In the fall of 1973 some 1,800 feet of bulldozer trenching was done on Virgil 3 and 4.

Golden Slipper Resources Inc. in 1982 held an option on the property (8 claim Wolverine group). Work included geological mapping, a geochemical survey comprising 121 silt and 835 soil samples, a magnetometer survey over 5 km and radiometric survey over 0.2 km.

OWNER OR OPERATOR AND ADDRESS

DESCRIPTION OF DEPOSIT

Because of poor exposures, no good contact relationships were seen. However, indications are that this showing consists of a syenite-carbonate complex enclosed in schists and gneisses of the Precambrian-Lower Cambrian Wolverine Complex. Schist and quartz feldspar crush-breccia of uncertain origin are exposed in east cut. Schist occurs in the bluff at the southeast end of the west cut, and in the western part of the west limb of the west cut. Intermixed fine-grained gneissic carbonate rock, coarse-grained carbonate rock, and fine and coarse-grained syenite are revealed in the west cut. The carbonate rock consists essentially of calcite and biotite with minor feldspar, apatite, zircon, and unidentified dark opaque grains. Foliation present in the schists and gneissic carbonate rock strikes north 20 to 45 degrees west and dips 48 to 55 degrees southwest. The syenite-carbonate band in the west cut is as much as 50 metres wide and has been exposed for 250 metres along strike.

Four samples were collected. Sample 1 consisted of random chips of carbonate rock gathered along 56 metres on the floor of see Card 2 ....

associated minerals or products of value Tantalum, titanium, uranium, rare earths. phosphate.

120883  
Mineral Development Sector, Department of Energy, Mines and Resources, Ottawa.

HISTORY OF PRODUCTION

REFERENCES

Geology, Exploration, and Mining; British Columbia  
 Dept. of Mines: 1973, p. 368; 1974, p. 278 + .

Exploration in British Columbia; BCDM: 1982, p. 321.

Geological Fieldwork, BCDM: 1984, p. 87.

MAP REFERENCES

Map 876 A, Manson Creek, (Geol.), Sc. 1":4 miles (1946).

Preliminary Map 45-9, Manson Creek, (Geol.), Sc. 1": 2 miles,  
 Paper 45-9, Geol. Surv. of Canada.

Map 1586 G, Manson Lake, (Aeromag.), Sc. 1":1 mile.

Map 93 N, Manson River, (Topo.), Sc. 1:250,000.

Map 93 N/9, Manson Lakes, (Topo.), Sc. 1: 50 000.

REMARKS

Comp./Rev. By	DMacR	DMacR					
Date	11-76	10-87					

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## DESCRIPTION OF DEPOSIT (continued)

the cut; sample 2 consisted of random chips from a mound of syenite that showed the highest scintillometer count of the showing; sample 3 was composed of random chips of syenite exposed in the floor of the cut; sample 4 contained chips taken from across 6 metres of syenite in the floor of the cut. Chemical analyses of the samples, expressed in percentage, follow:

	Nb <sub>2</sub> O <sub>5</sub>	Ta <sub>2</sub> O <sub>5</sub>	U <sub>3</sub> O <sub>8</sub>	TiO <sub>2</sub>	La	Nd	Y	Yb	Ga
Sample 1	0.01	0.001	0.001	0.15	0.05	0.03	Trace	Trace	Trace
Sample 2	0.03	0.001	0.008	0.20	..	..	...	...	Trace
Sample 3	0.022	0.001	0.003	0.20	0.05	0.03	Trace	Trace	Trace
Sample 4	0.012	0.001	0.001	0.15	Trace	Trace	...	...	Trace

(G.E.M., 1974)