021806

1989

PROPERTY NAME: **Sappho** NTS: 82 E/2

OWNER: Kettle River Resources
Greenwood, B.C.
(may still be under option
to Noranda)

LAT: 49° 01'
LONG: 118° 42'

CLAIMS: Sappho 1, Sappho 2, PT 1, Ingerbelle 1, Snap, Quincy, Ada (72 units)

LOCATION AND ACCESS: The Sappho property is located about 10 kilometers south of Greenwood. The southern boundary of the property is the Canada - USA border. Access to the claims is via the Norwegian Creek Road which leaves Highway 3 about 9 kilometers south of Greenwood. About 3 kilometers from the highway, the road crosses Norwegian Creek. Park here and walk up old ranching and mining roads to the showings (about 1.5 kilometers).

SUMMARY OF FIELD VISIT: The Sappho property is shown by Church (1986) and Little (1983) to be underlain by Tertiary volcanics and intrusives, in contact with greenstones of the Permian Attwood Group. This relationship was confirmed during detailed property mapping by Noranda, as shown on the attached map (Gill, 1985)

Minor production is recorded from the property from 1916 - 1918 when 102 tons of ore were mined, producing 6.1 kg Ag and 13.6 tonnes Cu (Church, 1986). More recently, trenching, diamond drilling, geophysics and geochemistry have been done by a variety of operators. Gill (1985) summarizes the history of the property.

Outcrop on the property is poor and from the brief field examination, no clear relationships or controls of mineralization were seen. The geology and mineralizations is described in some detail by Gill (1985). Basically, mineralization seems to consist of disseminated, fracture controlled and skarn - type copper

mineralization in altered greenstones of the Attwood Group and in early phase Tertiary monzodiorite. According to Gill (1895) the mineralizing event is the late phase, coarse Tertiary monzodiorite. Two main showings (labelled Showing A and B on the attached map) occur on the property. Both of these showings were visited. Each showing is well exposed by recent bulldozer trenching over an area of about 50 - 75 square metres. In both cases, mineralization consisted of minor chalcopyrite occurring on fractures, disseminated and as skarn pods within the greenstones. At Showing A, mineralization is also reported in Tertiary monzodiorite but this was not seen. The overall percentage of chalcopyrite is quite low, probably about 1%, making this a very low grade deposit. Previous sampling has not detected any associated gold although minor platinum is reported. Three samples were collected from the property, as shown on the attached map.

SAMPLE DESCRIPTIONS AND RESULTS:

		Cu %	Ag ppm	Au ppb
BCS 18376	Skarn pod in gst, minor cpy, Showing B	3.4	20.5	260
BCS 18377	rusty mal stained fract. zone in gst. Showing B	0.5	7.6	810
BCS 18378	1% diss cpy in gst; Showing A	6.3	16.0	80

RECOMMENDATIONS: A number of occurrences of low grade copper showings are exposed on the Sappo Property. The mineralizing event appears to be late stage Tertiary intrusives. Copper mineralization, while reasonably widespread, is very low grade. There are no associated gold values. Copper and silver values from samples collected were higher than expected, however these are probably not representative of the overall showings. Because of the surprisingly high grades from samples collected, a more

detailed compilation of the data is justified to determine if such grades are representative.

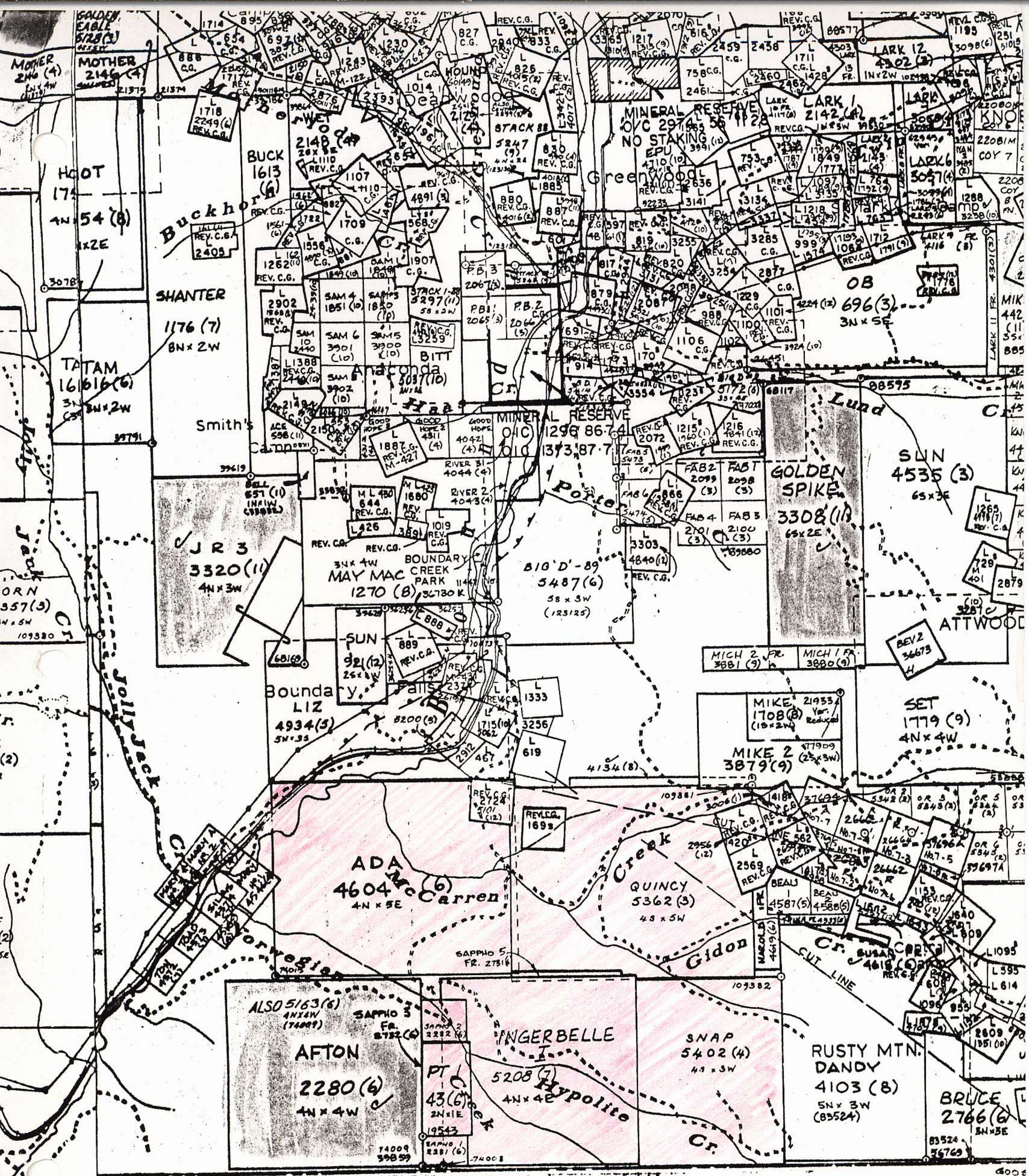
REFERENCES:

Church, B.N., 1986 Geological Setting and Mineralization in the Mount Attwoood - Phoenix Area of the Greenwood Mining Camp. BCDM Paper 1986 - 2.

Gill, G. , 1985. Geological and Geochemical Survey on the Sappho 83 Group of Claims. Assessment Report 13, 913.

Little, H.W. , 1983. Geology of the Greenwood Map - Area, British Columbia. GSC Paper 79 - 29.

L.Lee
Sept 17/89



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VICTORIA, B.C.

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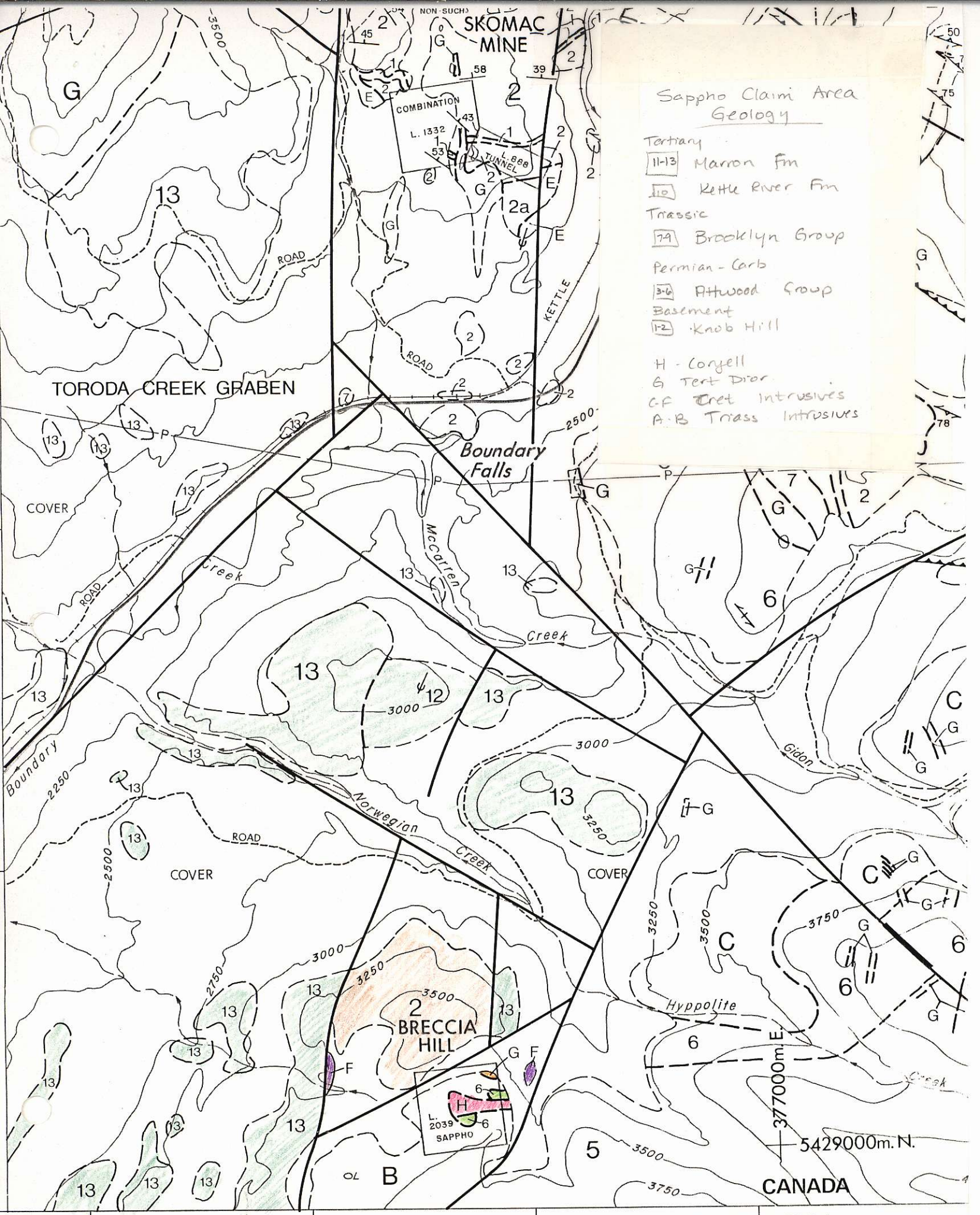

BCDM Paper 86-2 (Church), 1986