



PLACER DEVELOPMENT LIMITED

MEMORANDUM:

TO: R. Shklanka/S.J. Tennant DATE: 25 July 1983
 FROM: R.H. Pinsent FILE: 82E/11E
 RE: **MARL CLAIMS**

The Marl claims are part of a package of properties submitted to the Company by Marvin Boe of Mantic Resources Ltd. (682-2063). The property was previously submitted in 1981 (C.C. Rennie, P.D.L. File 637).

The 36 unit Marl Claim group straddles the Kettle Valley Railway due south Arlington Lakes (Figure 1). The claims were staked to include a number of small Cu occurrences reported on the Mineral Inventory Map for N.T.S. 82E (Figure 2).

The claims are primarily underlain by rocks of the Cretaceous Nelson and Valhalla plutonic complexes, and the copper mineralization appears to be restricted to either sheared blocks of included country rock metabasalt of the Triassic Anarchist Group or indistinguishable mafic dykes within the plutonic rocks. The mafic blocks appear to be restricted to a broad shear zone which strikes N/S parallel to the axis of the valley.

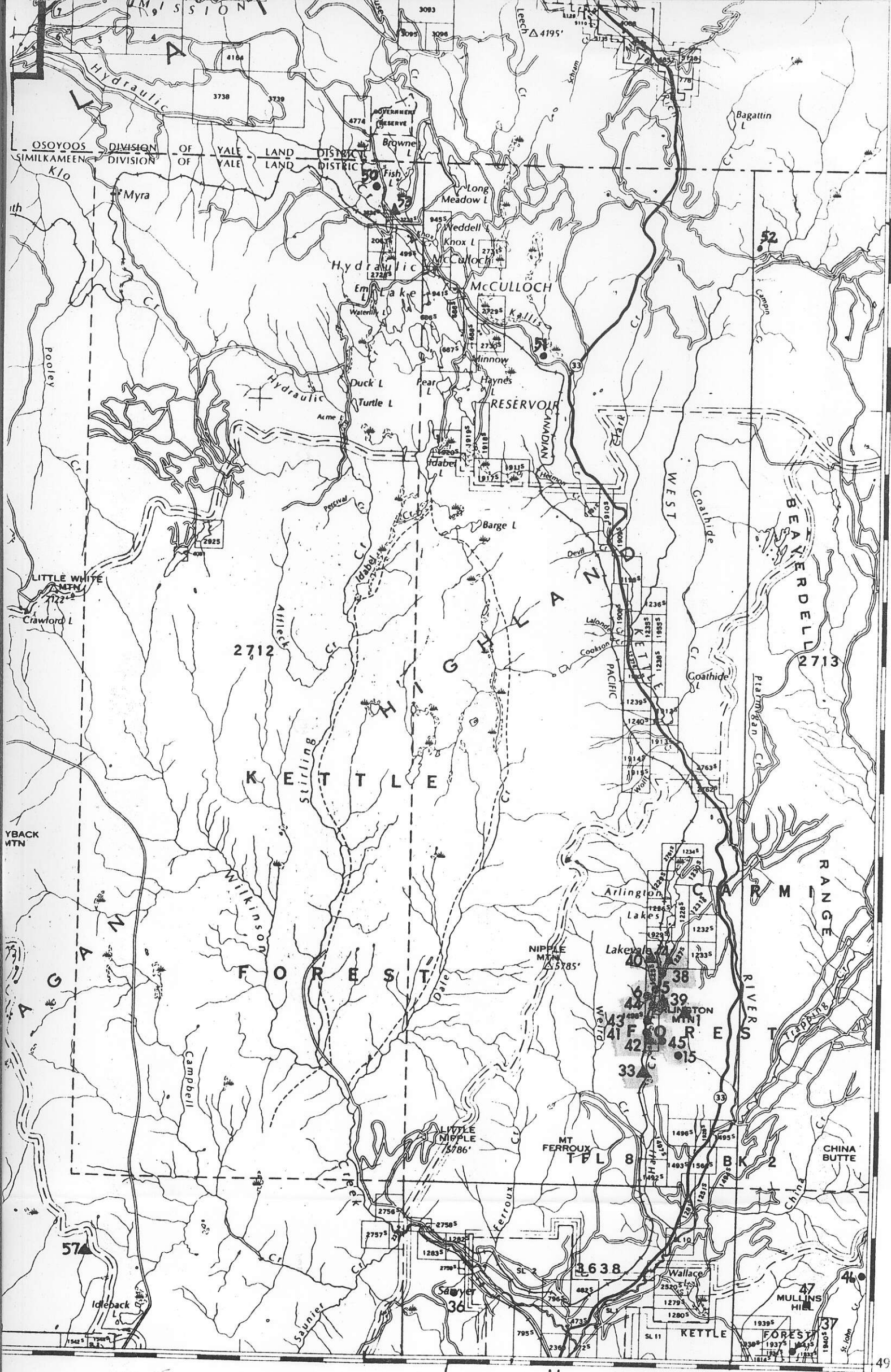
The mineralization consists of (a) "massive replacements" of chalcopyrite and pyrite along contacts between greissic diorite and metabasalt, (b) chalcopyrite and pyrite in quartz veins along contacts and (c) disseminated chalcopyrite and pyrite in silicified and epidotized portions of the chlorite hornblende schists. One 2' "massive sulphide" lens evidently ran 0.92% Cu and 1.86 oz/ton Ag (A.R. 4720; Geology and Geochemistry of the Cu Claims: D.C. Mitchell: 1973).

The zone of mineralization appears to be restricted to a major structure which may have acted as a feeder for younger Tertiary mafic volcanism (found on strike to the north) and for epithermal mineralization. It is probably an epithermal root zone and unlikely to be of much value.

I would not recommend that we take any further action on this property.

R.H. Pinsent

RHP/cs



15'

To Midway To Midway - 48 miles

119°00'

REFERENCE

Roads: Hard Surface
 Loose Surface, Main
 Loose Surface, Secondary
 Rough (may be private, closed, or seasonal)

Divided More than 2 Lanes 2 Lanes

INDEX TO ADJOINING MAPS



Data compiled from published and unpublished reports.

Accuracy of location:

- known within a radius of 1,000 feet
- ▲ 1,000 feet to 2 miles
- not known within 2 miles

Location and name subject to revision. Data known to be incomplete.

Copies of this map may be obtained for \$1.00 per sheet. Orders for maps should specify the map sheet number and letter. Orders should be addressed, with prepayment, to the

Department of Mines and Petroleum Resources,
Victoria, B. C. V8X 1S4

Mineral inventory cards containing specific information on each of the following mineral occurrences are available for viewing on open file according to the map number. Contact the Resource Data Section, Geological Division, Victoria.

NO.	NAME	PRODUCT(S)
1	CAPTAIN GORDON	Cu, Mo
2	BLUE HAWK (SPOKE)	Au, Ag, Pb, Cu
3	NORTH BRENDA-CENTRAL (TR 5, 15)	Cu, Mo
4	ELK 7	Cu
5	ELK 2	Mo, Cu
6	ELK 4	Cu
7	MAURICE	Mo, Cu, Ag
8	NORTH BRENDA-JEFF 43 (TR 19)	Cu
9	WIP-CATI	Cu, Mo
10	COLLEX (SUGNA)	Cu, Mo
11	SID	Cu, Mo
12	CACHE	Cu, Ag
13	GLAD	Cu, Ag, Pb
14	ARNIE (X)	Cu, Mo
15	ARLINGTON (CU)	Cu, Ag
16	CAMP HEWITT 1 (DEEP)	Limestone
17	ALMA MATER (RAT 22)	Pb, Au, Ag
18	SILVER KING (RAT 1)	Cu, Mo, Pb, Zn, Au
19	CAMP HEWITT 2 (DEEP)	Cu, Pb, Zn
20	LAKEVIEW (SILVER BELL, SUE, LYLA)	Ag, Pb, Zn, Cu, Au
21	JASS (HEN, MUN)	Cu, Mo, Zn
22	CAMP HEWITT 3 (DEEP)	Cu, Zn
23	CAMP HEWITT 8 (DEEP ?)	Pb, Zn
24	CAMP HEWITT 12	Zn, Pb
25	IRON HORSE	Cu, Pb, Zn, Au
26	BLUE BELL (PATRICIA; TED 2)	Cu, Zn, Au
27	BLUE BELL (PATRICIA; TED 3)	Cu, Zn, Au
28	KELLY	Ag, Pb, Zn
29	OKANAGAN (TORPEDO; SILVER SHORE)	Pb, Zn, Ag, Au, (Cu)
30	---	Gamet
31	BATHFIELD SILVER LODGE (JON)	Ag, Pb, Zn, Cu
32	HITCHENER RANCH	Diatomite
33	HALL CREEK	Asbestos
34	LITTLE DUNCAN (SID)	Au, Ag, Pb
35	PANORAMA (SIR)	Au, Ag, Pb, Cu
36	DOE (IVY; FAN)	Mo, Cu
37	IVY C (IVY 10)	Au, Cu
38	ELK 3	Cu
39	---	W
40	LAKEVALE	Ag, Pb
41	DKD 2	Cu
42	BRU 21	Cu
43	DKD 4	Cu
44	DKD 6	Cu
45	BRU 22	Fe
46	ROSEMONT	Au, Ag
47	KNOB HILL (= ROSEMONT ?)	Cu
48	FAP	Cu
49	SH	Cu, Mo, Zn
50	Pb1	U
51	Pb2	U
52	Pb3	U
53	KETTLE	U
54	TREPANIER GORGE (TR 1, 2)	Cu
55	TICTOC	Cu, Mo
56	ROY	Cu, Mo, Fe
57	REDCAP, SUE	Mo
58	KELOWNA	Cy
59	DAN	Cu, Mo
60	IRON HORSE	Cu, Pb, Zn, Au
61	(OCCURRENCE)	Gn

