

|         |        |                       |                  |             |         |           |
|---------|--------|-----------------------|------------------|-------------|---------|-----------|
| PRODUCT | COPPER | PROVINCE OR TERRITORY | British Columbia | N.T.S. AREA | 93 N/14 | REF. CU 7 |
|---------|--------|-----------------------|------------------|-------------|---------|-----------|

|                       |                     |          |         |           |  |    |
|-----------------------|---------------------|----------|---------|-----------|--|----|
| NAME OF PROPERTY      | DOROTHY             |          |         |           |  |    |
| OBJECT LOCATED        |                     |          |         |           |  |    |
| UNCERTAINTY IN METERS | Lat.                | 55°53.5' | Long.   | 125°20.6' |  |    |
| Mining Division       | Omineca             | District | Cassiar |           |  |    |
| County                | Township or Parish  |          |         |           |  |    |
| Lot                   | Concession or Range |          |         |           |  |    |
| Sec                   | Tp.                 |          |         |           |  | R. |

|                               |  |  |  |  |  |  |
|-------------------------------|--|--|--|--|--|--|
| OWNER OR OPERATOR AND ADDRESS |  |  |  |  |  |  |
|-------------------------------|--|--|--|--|--|--|

**DESCRIPTION OF DEPOSIT**  
The area is underlain by the Jurassic or Cretaceous Omineca intrusions, which vary locally from diorite to quartz diorite. The diorite contains abundant accessory magnetite, and except for minor amounts of epidote, shows little alteration. The results of drilling indicate that copper mineralized sections are irregular silicified areas within the diorite, and that these sections have little continuity in strike or dip. The mineralization, where exposed, occurs as irregularly disseminated grains, blebs, and small stringers of chalcopyrite and pyrite, with minor amounts of bornite, covellite, pyrrhotite, molybdenite, sphalerite, and galena. The average grade of a few drill sections as much as 50 feet long varied from 0.5 to 1.0 per cent copper.

**HISTORY OF EXPLORATION AND DEVELOPMENT**  
The property is located at the 4,400 foot elevation on the east side of Duckling Creek, 37 miles northwest of Manson Creek.  
The Dorothy group of 18 claims was staked in 1948 for Kennex, Limited, and transferred to Northwestern Explorations, Limited, which was incorporated in 1949; the claims were staked to cover three copper-bearing talus slides that occur at intervals over a distance of 1,100 feet. Trenching was reported in 1948, and diamond drilling in 4 holes totalling 1,440 feet in 1949. During 1951 a biogeochemical survey using tree samples was carried out to test this method. The company name was changed in 1959 to Kennco Explorations, (Western) Limited. Geological, geophysical, and geochemical surveys were carried out during 1961 and 1962. During 1972 Kennco carried out geological mapping and trenching.

Associated minerals or products of value

Mineral Resources Branch, Department of Energy, Mines and Resources, Ottawa.  
**512521** \*

HISTORY OF PRODUCTION

REFERENCES

Reports of Minister of Mines, British Columbia: 1949, pp. 98, 99, 101; 1951, p. 118; 1961, p. 116; 1962, p. 134.

Geology, Exploration and Mining; British Columbia Dept. of Mines: 1971, p. 214; 1972, p. 455.

MAP REFERENCES

Map 844 A, Takla, (Geol.), Sc. 1":4 miles (1946).

Preliminary Geological Map of Part of Hogen Batholith, Duckling Creek Area, Sc. 1":3 miles, Fig. 29, Geology, Exploration, and Mining, 1971, British Columbia Dept. of Mines.

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

Map 93 N/14, Discovery Creek, (Topo.), Sc. 1:50,000.

REMARKS

Location from Mineral Deposit Inventory, Property No. 1743, British Columbia Dept. of Mines.

|               |       |       |  |  |  |  |  |
|---------------|-------|-------|--|--|--|--|--|
| Comp./Rev. By | DMacR | DMacR |  |  |  |  |  |
| Date          | 8-74  | 11-76 |  |  |  |  |  |