

NAME OF PROPERTY WHEATON CREEK

OBJECT LOCATED—showing.

UNCERTAINTY IN METERS 500. Lat. 58°21'20" Long. 128°59'

Mining Division Liard District Cassiar

County Township or Parish

Lot Concession or Range

Sec Tp. R.

OWNER OR OPERATOR AND ADDRESS

DESCRIPTION OF DEPOSIT

A band of serpentinitized peridotite about 2 miles wide trends northwesterly and underlies Wheaton Creek for a distance of about 4 miles. At the in situ occurrence, on the east side of the creek about 1/4 mile south of the confluence with Alice Shea Creek, two east-west zones of alteration occur in serpentinitized peridotite. The northern zone is mainly talc but the southern zone contains some good quality jade and is up to 60 feet wide. The contact between the jade and the serpentinite is nowhere exposed. There is no sign of jade across the creek along the westerly strike direction nor is there any indication that the creek is in a fault zone. Therefore the jade zone probably plunges easterly.

Most of the known jade boulders are on Placer Mining Lease No. 628 (old Peacock Lease), about 1 1/4 miles above the mouth of the creek. The jade seen on this lease, except for one boulder, has a dark center surface and may enclose some small lenticular masses of somewhat lighter green. No jade was sectioned that is devoid of magnetite spots and aggregates. In addition the rock has been subjected to stress which has developed a shear foliation that in very large measure seriously reduces the amount of unflawed material.

Associated minerals or products of value

HISTORY OF EXPLORATION AND DEVELOPMENT

Wheaton Creek flows northerly into Turnagain Creek some 40 miles east of the south end of Dease Lake.

Jade boulders were first found on Wheaton (Boulder) Creek by W.J. Storie, of Cassiar, when he was placer mining there in 1938, however, the occurrence was not reported until 1949. Attempts were made at that time to market some of the jade, but the difficulties of the location and of breaking the boulders into pieces of manageable size combined to prevent any jade being sold at the best price then offered. Storie's lease expired in 1951 and the ground was relocated as lease No. 628 in 1954 by Gerald Davis. In 1957 he broke up one of the large jade boulders and flew about 1,000 pounds of jade to the Cassiar road at McDame Lake. Further shipments of jade were reported by Mr. Davis in 1965, 1968, and 1969.

Demsey Mines Ltd. in 1970 acquired 8 placer leases, including No. 628; three of the leases were acquired under option from the B.C. Yukon Syndicate. Jade boulders on two of the leases are estimated to total about 600,000 pounds. The company shipped about 30 tons of jade in 1971.

The insitu occurrence was held in 1973 by Mr. Walter Ellert, of Terrace.

Mineral Resources Branch, Department of Energy, Mines and Resources, Ottawa.

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HISTORY OF PRODUCTION

REFERENCES

Leaming, S.; Jade Occurrences in British Columbia, in Report of Activities, Part A, April to October 1973, Paper 74-1, Part A, p. 365, Geol. Surv. of Canada.

Holland, Stuart S.; Jade in British Columbia; Report of Minister of Mines, British Columbia, 1961, pp. 119-126.

Leaming, S.; Rock and Mineral Collecting in British Columbia; Paper 72-53, p. 48, Geol. Surv. of Canada.

Reports of Minister of Mines, British Columbia: 1965, p. 250; 1968, p. 309.

Geology, Exploration, and Mining; British Columbia Dept. of Mines: 1969, p. 389; 1971, p. 463.

Mineral Development Sector; Corporation Files: "Demsey Mines Ltd.".

MAP REFERENCES

Map 29-1967, Cry Lake, (Geol.), Sc. 1":4 miles.

Map 104 I, Cry Lake, (Topo.), Sc. 1:250,000.

REMARKS

Comp./Rev. By	DMacR						
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