



Location/Identification

MINFILE Number: 104I 078

Name(s): KUTCHO CREEK JADE
JADEX, BARB, CRY LAKE (JADEX), CRY LAKE, KUTCHO CREEK (JADEX), JADE WEST

Status:	Producer	Mining Division:	Liard
Mining Method	Open Pit	Electoral District:	Stikine
Regions:	British Columbia	Resource District:	Skeena Stikine Natural Resource District
BCGS Map:	104I028		
NTS Map:	104I07E	UTM Zone:	09 (NAD 83)
Latitude:	58 15 13 N	Northing:	6457021
Longitude:	128 35 05 W	Easting:	524373
Elevation:	1692 metres		
Location Accuracy:	Within 500M		
Comments:	Trenches, 6 kilometres southeast of Provencher Lake, near a small northern tributary of a major west tributary to Kutcho Creek, 86 kilometres east of Dease Lake (Assessment Report 15940).		

Mineral Occurrence

Commodities: Jade/Nephrite, Gemstones

Minerals	Significant:	Nephrite, Jade
	Alteration:	Nephrite, Jade, Serpentine
	Alteration Type:	Serpentin'zn
	Mineralization Age:	Unknown
Deposit	Character:	Massive, Unconsolidated
	Classification:	Metamorphic, Industrial Min., Placer
	Type:	Q01: Jade, C01: Surficial placers

Host Rock

Dominant Host Rock: Metaplutonic

Stratigraphic Age	Group	Formation	Igneous/Metamorphic/Other
Paleozoic-Mesozoic	Cache Creek Complex	-----	-----
Upper Paleozoic	-----	-----	Cache Creek Complex
Isotopic Age	Dating Method	Material Dated	
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Lithology: Serpentinized Peridotite, Serpentinized Dunite, Serpentinized Pyroxenite, Slate, Argillite, Chert, Limestone, Mafic Volcanic, Nephrite Jade

Comments: The Cache Creek Complex is Mississippian to Triassic in age. The ultramafics are part of the Cache Creek Complex and are upper Mississippian to Permian age.

Geological Setting

Tectonic Belt:	Intermontane	Physiographic Area:	Cassiar Mountains
Terrane:	Cache Creek, Quesnel		
Metamorphic Type:	Regional		
Grade:	Greenschist		

Inventory

Ore Zone: CRY LAKE

Year: 1991

Category: Inferred

Report On: Y

Quantity: 2,500 tonnes

NI 43-101: N

Commodity	Grade
Jade/Nephrite	99.0000 per cent

Comments: Grade not given.

Reference: Open File 1992-1.

Summary Production

	Metric	Imperial
Mined:	216 tonnes	238 tons
Milled:	0 tonnes	0 tons
Recovery	Jade/Nephrite	
	216,522 kilograms	477,349 pounds

Capsule Geology

The Kutcho Creek Jade occurrence is located 6 kilometres southeast of Provencher Lake, near a small northern tributary of a major west tributary to Kutcho Creek, 86 kilometres east of Dease Lake.

The Kutcho Creek Jade (Jadex) area is underlain by Mississippian to Triassic Cache Creek Complex rocks including metavolcanics (greenstone), metasediments and tectonically emplaced ultramafic rocks. Locally, the area is underlain by upper Mississippian to Permian serpentinitized peridotite, dunite and pyroxenite bodies, in faulted contact with Cache Creek Complex chert, slate, argillite, limestone and mafic volcanic rocks. The metasediments exhibit a well developed northwest striking foliation that dips moderately to steeply southwest. Thrust faulting is the dominant fault style; a secondary direction of faulting, striking southeast, is also important locally. Minor skarnification is observed where serpentinite is in contact with limestone. The ultramafic-country rock contact locally hosts nephrite jade lenses (Barb Lens).

The property is mainly known for its nephrite jade boulders which are partially or completely buried in overburden. In 1986, ten nephrite jade boulders were drilled to determine quality prior to excavation. Exploration and drilling yielded several boulders of which 16.52 tonnes were mined and shipped to the Kutcho Airstrip for processing (Assessment Report 15940). Some boulders graded C+ in quality which is appropriate for carvings and jewelry, and varied to B grade. Boulders grading C- to D grade are not saleable.

Inferred reserves are 2500 tonnes of nephrite jade of unspecified grade (Open File 1992-1). Operators of the property are Jade West Resources Ltd. of Vancouver.

In 2016-17, Continental Jade Ltd. conducted mining, trenching and auger drilling.

Bibliography

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Falconbridge File

Date Coded: 1985/07/24

Coded By: BC Geological Survey (BCGS)

Field Check: N

Date Revised: 2020/06/08

Revised By: George Owsiacki (GO)

Field Check: N