

## NAME OF PROPERTY

## FIRE

OBJECT LOCATED - Fire showing.

UNCERTAINTY IN METRES 500. Lat. 59°30'50" Long. 126°07'25"

Mining Division Liard District Cassiar

County Township or Parish

Lot Concession or Range

Sec Tp. R.

## OWNER OR OPERATOR AND ADDRESS

## DESCRIPTION OF DEPOSIT

The rocks in the area belong to the Middle Devonian Dunedin Formation and the Middle Devonian to Mississippian Besa River Formation. The former consists of fine-grained, commonly fossiliferous, light and dark grey and black limestone. The overlying Besa River Formation consists mainly of hard black thin bedded argillite. The argillite in this area has been described as overlying the limestone disconformably. The rocks are folded into a major anticline that plunges gently southward.

Surface mineralization on the Fire group is concentrated mainly in argillite breccia and on the whole is not spectacular. The best observed is 100 feet south of diamond-drill hole 30, 150 feet northwest of diamond-drill hole 30, and in the bluff northwest of diamond-drill hole 20. South of hole 30 fluorite and witherite form the matrix in argillite breccia and also form veinlets and thin sills in unbrecciated argillite. Little mineral was noticed in the underlying limestone. In the east-west trench north of hole 30 weak barite mineralization is present in the matrix of the breccia toward the east end, see Card 2 ....

Associated minerals or products of value - Barium.

## HISTORY OF EXPLORATION AND DEVELOPMENT

The Fire showings are located at approximately 2,500 foot elevation on a tributary of Teeter Creek, 5 miles north of the Alaska Highway at Mile 498.

The discovery of fluorite near the Liard River Hot Springs was first reported in 1953 (Gem property, 94 M/8, FSP 1). Exploration of the area north of the Gem showings was begun in 1971 by Conwest Exploration Company Limited, Jorex Limited, and J.R. Woodcock Consultants Ltd. A number of new showings, including the Fire, Cliff, Nick, and Tam (94 M/9, FSP 1) were located and some 785 claims staked. Geological mapping and trenching was reported on the Fire group.

Liard Fluorspar Mines Limited was incorporated in June 1972 by Conwest (47.5%) and Jorex (42.5%) to acquire the property. Diamond drilling was apparently carried out on the Fire and Cliff showings in 1972. Exploration work was suspended later that same year.

120565

HISTORY OF PRODUCTION

REFERENCES

Geology, Exploration, and Mining; British Columbia Dept. of Mines: 1971, p. 462; 1972, pp. 587-595 +

Mineral Development Sector; Corporation Files: "Conwest Exploration Company Limited"; "Jorex Limited".

MAP REFERENCES

Map 14-1962, Rabbit River, (Geol.), Sc. 1":4 miles.

#Fluorite-witherite occurrences near Liard River Hot Springs Park, Sc. 1":1.5 miles, Fig. 70, Geology, Exploration, and Mining, 1972.

Geology of the Fire showing, Sc. 1":300 ft., Fig. 71, Geology, Exploration, and Mining, 1972.

\*Map 94 M/9 E, Teeter Creek, (Topo.), Sc. 1:50,000.

REMARKS

Comp./Rev. By	DMacR						
Date	9-76						

PRODUCT

FLUORSPAR(FLR+)

PROVINCE OR  
TERRITORY

British Columbia

N.T.S. AREA 94 M/9

- Card 2 -  
REF. FSP 2

NAME OF PROPERTY

FIRE

## DESCRIPTION OF DEPOSIT (continued)

whereas at the west end there is a good display of light purple fluorite. The core of vertical hole 30 showed casing from 0 to 11 feet; sparse fluorite, quartz, and witherite in argillite breccia from 11 to 23.5 feet; and brecciated limestone with some calcite veins to the end of the hole at 38 feet. In a bluff 100 feet southeast of hole 20 argillite breccia is cemented with vuggy white quartz containing sparse white fluorite. The argillite contains a noticeable amount of disseminated magnetite. The bluff across the road northwest of hole 20 consists of mineralized argillite breccia containing black and purple fluorite, barite, minor clay and limonite, and considerable loose carbon. Many vugs are present and some contain small well-formed tabular barite crystals. Hole 20, drilled vertically, showed overburden from 0 to 5 feet, well-mineralized argillite breccia from 5 to 22 feet, and massive dark limestone with little mineralization from 22 feet to the end of the hole at 38 feet. The brecciated argillite in the trench 400 feet west of diamond-drill hole 20 showed scanty mineralization of witherite with minor fluorite and some quartz. Other areas showed only weak mineralization.