PRODUCI LEAD	TERRITORY	N.T.S. AREA 82 K/7 REF. PB 2					
DUNCAN Nos. 1NAME OF PROPERTY(J.G.) (GL		HISTORY OF EXPLORATION AND DEVELOPMENT The Duncan No. 1 zone is located at about the 2,600 foot elevation on the north side of Glacier Creek, on the east side of Duncan Lake, 3 miles northeast of the Duncan Dam. The Duncan No. 2 zone is located at about 3,600 feet eleva- tion near the crest of the ridge between Glacier Creek and Duncan Lake. The No. 1 zone was originally staked in 1893 as the Glacier claim but there is no report of work at that time. In 1926 the Glacier and Summit claims were owned by W.L. Smith of Lardeau and extended from the creek to the summit of					
OBJECT LOCATED Duncan No. 1 Zone 50°17'27" UNCERTAINTY Duncan No. 2 Zone ^{Lat.} 50°17'47" Mining Division Slocan District County Township or Parish Lot Concession or Range Sec Tp. R.	116°54°40" Long. 116°54°55" Kootenay						
OWNER OR OPERATOR AND ADDRESS Cominco Ltd.		<pre>the ridge. Work to that date was reported to comprise open cuts and a short adit. The Consolidated Mining and Smelting Company of Canada Limited optioned the property late in 1927. Work by the company in 1928 included stripping, and 1,108 feet of diamond drilling in 7 holes. The option was subse- quently given up. Joe Gallo and associates of Howser acquired some 49 recorded claims under the name J.G. group in about 1950. These claims extended north from Glacier Creek to the penin- sula in Duncan Lake (see also 82 K/7, Pb 1 and Pb 3). Lardeau Lead and Zinc Mines Ltd. optioned the property in 1951 and carried out diamond drilling in 7 holes on the</pre>					
contact between the dolomite and the siliceous dolomite. The formations on the Duncan property are on the eastern limb of the Duncan anticline. Two important westerly dipping strike faults and several smaller ones are recognized in the zone 5-8 workings see Card 2		Glacier Creek showing. In 1952 an adit was driven at the 2,515 foot elevation for a distance of 650 feet in a N15°E direction, essentially along the strike of the No. 1 zone. Three short crosscuts were driven to the east across the zone, the underground work totalling over 1,000 feet. In September 1952 Berens River Mines Limited purchased a share interest in Lardeau Lead and Zinc and took over management of the operation. Underground diamond drilling was done in 24 holes totalling 3,880 feet. Very little work was done in 1953 and the option was allowed to lapse. The Bunker Hill Company, of Kellog, Idaho, optioned the property from Mr. Gallo late in 1955. Bulldozer stripping and diamond drilling during 1956 was mainly confined to the north end of the J.G. property on the peninsula in Duncan Lake. The Consolidated Mining and Smelting Company of Canada Limited in 1957 optioned the J.G. group from Joe Gallo and associates. The property, extending from Glacier Creek to the north end of the zeninsula in Duncan					
Associated minerals or products of value - Zinc.		Mineral Development Sector, Department of Energy, Mines and Resources, Ottav					

HISTORY OF PRODUCTION

REFERENCES

+Fyles, James T.; Geology of the Duncan Lake Area, Lardeau District British Columbia; Bulletin No. 49, pp. 71-75. British Columbia Dept. of Mines, 1964.

Reports of Minister of Mines, British Columbia: 1893, p. 1046; 1926, p. 267; 1927, p. 283; 1928, p. 310; 1951, p. 180; 1952, p. 192⁺⁺; 1953, p. 146; 1955, p. 68; 1956, p. 106; 1957, p. 60; 1959, p. 71.

Mineral Policy Sector; Corporation Files: "Berens River Mines Limited".

Gunning, H.C.; Lardeau Map-Area, B.C.; Memoir 161, p. 95, Geol. Surv. of Canada, 1930.



- Geological Map of the Duncan Lake Area, Sc. 1":1 mile, Fig. 3 - accomp. Bulletin 49, British Columbia Dept. of Mines.
- Map 235 A, Lardeau Area, (Geol.), Sc. 1":4 miles accomp. Memoir 161.
- #Map 82 K/SE (MI), Lardeau, (Mineral Inventory), Sc. 1": 2 miles, B.C. Dept. of Mines.
- *Map 82 K/7 W, Duncan Lake, (Topo.), Sc. 1:50,000.
- Map 1326 A, Lardeau (East Half), (Geol.), Sc. 1:250,000 accomp. Memoir 369, Geol. Surv. of Canada, 1973.

 REMARKS

 Comp./Rev. By
 DMacR

 Date
 12-77

BCI - 82 K/SE - 19, 20

PRODUCT LEAD	PROVINCE OR British TERRITORY	Columbia	N.T.S.	AREA	82 K/7	REF. PB	
NAME OF PROPERTY DUNCAN Nos. 1 and (J.G.) (GLACIE DESCRIPTION OF DEPOSIT (continued) Probably others are present on the property found even by close mapping. Mineralized zones of the Duncan type consphalerite, galena, and minor pyrrhotite di mite and siliceous dolomite. They are lent: gradational but in general well-defined mar of the zones is essentially parallel to that formations, and consequently the strike is west and the dip in general is steeply to the proportion of individual sulphides widely. In general, pyrite is the most abut sphalerite is more abundant than galena. Pramounts is present in one zone in the Duncat amounts of chalcopyrite, marcasite, ruby sillare reported by Muraro (1962, p. 77). The same very fine grained. They form disseminar clusters, or fairly massive layers in dolom. No. 1 zone is in grey massive, banded, probably in the lower part of the upper dol. Formation. The sulphides are fine- to medify sphalerite, and galena in bands, lenses, and veins of white crystalline calcite. Much of that found in the other zones, though it is grained and some is clearly in veins in whice cubes of pyrite, and crystals of quartz appideposited along the walls of cavities. The persistent zone of mineralization up to 10 from surface exposures, more than 100 feet it to the east and probably plunges at low ang is known to be at least 300 feet long. Scatover widths of several tens of feet has beer and north of this persistent zone, but as ymineralized zone 240 feet long averaging 2./ zinc across 3.7 feet" (Berens River Mines, No. 2 zone, exposed in trenches and smatcrest of the ridge between Glacier Creek and consists of fine-grained galena, sphalerite.	TERRITORY 2 ZONES R) but have not been nsist of pyrite, sseminated in dolo- icular zones with gins. The attitude t of the enclosing about north 20 degrees he east. in the deposits varies ndant sulphide, and yrrhotite in minor n mine, and minute lver, and meneghinite sulphides in general ted grains, lenticular ite. or flecked dolomite, omite of the Badshot um-grained pyrite, d locally irregular f the calcite is like somewhat coarser ch coarse sphalerite, ear to have been adit follows a fairly feet wide and, judging high. It dips steeply les to the north, and ttered mineralization n found to the east et a continuous e adit exposed a 46% lead and 6.36% 1952 Annual Report). 11 bluffs near the d Duncan Lake,	HISTORY OF EXPLORAT became known as the begun in 1957. Sur feet was done in 19 ridge and on the no changed in 1966 to 0	ION AND Duncan face dia 59 in 4 rthwest	DEVELO proper mond d holes slope.	DPMENT (continty. Geologi Irilling totan near the creation	inued) ical mappin alling 2,720 est of the	g was 8
				·			

DESCRIPTION OF DEPOSIT (continued)

tightly folded layers of crystalline limestone in the lower part of the upper dolomite. The sulphides are in lenticular masses along the crests and troughs of small folds which plunge about north 20 degrees west at 10 to 15 degrees. Trenching has exposed several mineralized zones a few feet in diameter extending several tens of feet along the plunge. Drilling has indicated that the zones have small crosssectional dimensions, and no significant mineralization has been found below the outcrop.