

NAME OF PROPERTY MASTODON NORTH

OBJECT LOCATED - upper showings.

UNCERTAINTY IN METRES 500. Lat. 51°15' Long. 118°07'10"

Mining Division Revelstoke District

County Township or Parish

Lot Concession or Range

Sec Tp. R.

OWNER OR OPERATOR AND ADDRESS

DESCRIPTION OF DEPOSIT

The rocks exposed near the showings include dark-grey phyllite, grey banded limestone, and buff-weathering light-grey to white porcelaneous dolomite. The showings are in a contorted zone containing lenses of dolomite and limestone in grey phyllite between two extensive masses of limestone. The contorted zone is bounded on the east and probably also on the west by faults. The fault on the east strikes between north and north 20 degrees west and dips 40 to 65 degrees to the east. It transects grey phyllite on the west with a strong cleavage dipping 50 to 60 degrees to the northeast and containing complex lenses of limestone and dolomite. The lenses derive their shape from intense folding and shearing. Dragfolds, which are common in the limestones, mostly plunge about north 10 degrees east at 30 to 40 degrees, although some plunge more steeply to the northeast and others more gently to the north.

Mineralization consists of sphalerite and galena in limestone and dolomite near contacts with phyllite. Copper stain indicative of grey copper is noticeable in some showings. Two p.t.o. ....

Associated minerals or products of value - Lead.

HISTORY OF EXPLORATION AND DEVELOPMENT

The showings are on the south side of Carnes Creek, 17 miles north of Revelstoke, between elevations of 4,400 and 5,200 feet. The upper showings are approximately 3,000 feet north of the Mastodon workings (82 M/1, Mn 1).

The showings were held as part of the Mastodon property by the Mastodon Mining Company, Limited in 1918. Prospecting in open cuts exposed several veins, one of which was drifted on for 70 feet. Further open cutting was done in about 1949 by owners D.F. Kidd and associates, of Vancouver.

## DESCRIPTION OF DEPOSIT (continued)

groups of showings have been explored by trenches - one at an elevation of about 5,200 feet on a knoll at the top of the steep slope, and the other to the north between elevations of about 4,350 and 5,000 feet on the slope itself. On the first group three closely spaced trenches expose scattered brown sphalerite and galena along a dolomite-phyllite contact trending irregularly to the northwest and dipping to the northeast. Small lenses of limestone, which contain most of the sulphides, are found along the contact. Mineralization in the group of showings to the north varies considerably in occurrence. One showing at an elevation of about 4,500 feet consists of narrow bands of sphalerite in limestone across a width of about 6 feet extending up a small cliff for 10 to 15 feet parallel to the bands. At several places massive brown sphalerite forms lenses in limestone that appear to be on crests of folds plunging to the north. The largest seen is about 5 feet wide and 3 or 4 feet thick. Locally sphalerite is found in lenses along cleavage planes in light-grey phyllite. Two trenches expose closely spaced quartz veinlets carrying galena.

## REFERENCES

Reports of Minister of Mines, British Columbia: 1918, p. 189; 1950, p. 165 ++; 1959, p. 116 +.

## MAP REFERENCES

- Map 12-1964, Big Bend, (Geol.), Sc. 1":4 miles - accomp.  
Paper 64-32, Geol. Surv. of Canada.
- Geological Map of the North Showings, Sc. 1":160 ft., Fig. 18, Report of Minister of Mines, British Columbia, 1959, p. 117.
- Map 4404 G, Mount Revelstoke, (Aeromag.), Sc. 1":1 mile.
- #Zinc Content of Trees-Mastodon Group, Sc. 1":3,000 ft., Fig. 5, Report of Minister of Mines, British Columbia, 1950, opp. p. 166.
- \*Map 82 M/1 E, Mount Revelstoke, (Topo.), Sc. 1:50,000.
- Map 82 M/8 E, Downie Creek, (Topo.), Sc. 1:50,000.

## REMARKS

Comp./Rev. By	DMacR						
Date	12-77						