

THE MOTHER LODGE AND SUNSET MINES, BOUNDARY DISTRICT, BRITISH COLUMBIA.

CHAPTER I.

INTRODUCTION.

GENERAL STATEMENT.

The Boundary district for the last eleven years has been the most important copper producing district in British Columbia and for several years has held the leading position among the copper producing centres of Canada. In the first decade (1900 to 1909) of production in the Boundary the copper content in the ores mined amounted to 247,995,303 pounds, the metal also containing important amounts of gold and silver as by-products.¹ The production in 1910 amounted to 31,354,985 pounds of copper based on smelter returns.

The principal mines which are producing the typical low grade and almost self-fluxing copper ores in the Boundary district are the Knob Hill-Ironsidcs, Gold Drop, Rawhide, Snowshoe, Monarch, and War Eagle situated at Phoenix; the Oro Denoro and Emma at Summit ; and the Mother Lode at Deadwood near Greenwood (Fig. 1, p. 2). The controlling companies operating the above mines are the Granby Consolidated Mining, Smelting, and Power Company Limited; the Consolidated Mining and Smelting Company of Canada; and the British Columbia Copper Company Limited of New York.

The present report is devoted to a description of the geological relations of the ore deposits of the Mother Lode, Sunset, and adjacent properties at Deadwood, and is an extension of similar work previously carried on at Phoenix in 1908.²

¹Annual Reports of the Minister of Mines for British Columbia 1900 to 1910.

²LeRoy, O. E., Geology and Ore Deposits of Phoenix. Geol. Surv., Canada, Memoir No. 21.