

of the ore. Canadian Manganese Mining Corporation Limited, a subsidiary of New Delhi Mines Limited, did exploratory work on its property in the Tetagouche Falls area near Bathurst.

Prospecting for uranium in New Brunswick resulted in several discoveries in widely separated localities. Two of these, one near Harvey about 25 miles southwest of Fredericton and another at Upsalquitch about 10 miles southwest of Campbellton, are being explored.

In Nova Scotia the value of metal production, all of which comes from the Stirling zinc-lead-copper mine of Mindamar Metals Corporation Limited in southern Cape Breton Island, increased from \$3,004,000 in 1953 to \$3,517,000 in 1954. Output comprised 16,985,000 lb. of zinc, 4,186,000 lb. of lead, 1,982,000 lb. of copper, 262,000 oz. t. of silver and 3,754 oz. t. of gold. Cape Breton Metals Limited did considerable work on its mining concession in the northern part of Cape Breton Island where widespread zinc occurrences were disclosed.

Newfoundland.—The chief development in metal mining during the review period was a substantial increase in the output of iron ore, resulting mainly from the entry into production of the New Quebec-Labrador properties of Iron Ore Company of Canada and to a lesser extent from the expansion under way at the Bell Island mines of Dominion Wabana Ore Limited, a subsidiary of Dominion Steel and Coal Corporation Limited. The remainder of the Province's metal production comprises zinc, lead, copper, silver and gold and comes from the operations of Buchans Mining Company Limited near Red Indian Lake in central Newfoundland. With the exception of gold the Company's output in 1954 was higher in both volume and value and, combined with the rise in the value of iron ore production, led to an increase in the value of the Province's metal production from \$27,969,000 in 1953 to \$36,747,000 in 1954. The total value of mineral production in Newfoundland in 1954 was \$42,898,000.

Iron ore production rose 40 p.c. in volume over 1953 reaching a record 3,759,000 long tons valued at \$21,749,000. Initial output by Iron Ore Company amounted to 2,119,000 long tons. (For developments in the New Quebec-Labrador iron ore fields, *see* p. 498.)

Production of direct-shipping iron ore (hematite) from Wabana mines totalled 2,526,000 long tons during 1954, an increase of 5 p.c. over 1953. Shipments however amounted to 2,156,000 long tons compared with 2,400,000 long tons in 1953 and were made as follows: the parent Company's iron and steel plant at Sydney, N.S., 556,000 long tons; United Kingdom 897,000 long tons; and West Germany 703,000 long tons. Approximately one-third of the output goes to Sydney. Dominion Wabana has contracted to sell all the remaining output during 1955 and 1956, 85 p.c. going to West Germany and the United Kingdom during the ensuing five years.

The Company continued to expand and modernize its underground and surface facilities. This included the construction of a sink-float plant to replace hand sorting of the ore and of a 9,000 foot belt conveyor to replace the present diesel truck haulage system, which will bring the total length of the Company's conveyor system to 21,500 ft. Essentially all operations are submarine, extending in some parts about four miles out under the Atlantic Ocean. Ore reserves have been estimated as high as 4,000,000 tons.

Buchans Mining Company milled 340,000 tons of ore in 1954. The concentrates produced contained 30,000 tons of zinc, 18,526 tons of lead, and 3,481 tons of copper compared with 28,002 tons of zinc, 17,702 tons of lead and 2,814 tons of copper in 1953. Its silver output increased from 648,000 oz. t. in 1953 to 742,000 oz. t. in 1954 but gold production declined from 7,654 oz. t. to 6,500 oz. t. for the same years. Considerable development work was done on new orebodies in the Rothermere shaft section of the mine.

Newfoundland's output of copper will be increased substantially as a result of developments in the Notre Dame Bay area on the north coast where Bathurst Mining Corporation Limited and Maritimes Mining Corporation Limited are jointly preparing two copper properties for eventual production, one at Tilt Cove on the west side of the Bay and the other at Gull Pond, 50 miles to the south. It is planned to bring the Tilt Cove property,