

North and
south folds
merely local.

It may further be remarked that there appears to be no proper north and south anticlinal or synclinal crossing this district all the way from one side to the other; but there are many local ones, sometimes of great extent. One broad synclinal, running approximately north and south, occurs west of the Sherbrooke gold-district, and is described by Professor Hind in his report on the district, already quoted. The axis does not appear to extend far north of this district, and most probably runs west of south to the sea-shore between Bird Islands and Halibut Islands; but whether it is uninterrupted between these two points, has not yet been ascertained. A cross anticlinal may also run between the village of Sherbrooke and Barren Island, and another between Salmon River mine and Sober Island, but nothing positive can be said about them at present.

GENERAL STRUCTURE OF THE GOLD DISTRICTS.

List of reports
on the gold-
bearing rocks.

Several of the principal gold-districts of the province have been studied minutely and reported upon by different authorities, and more especially by Dr. A. R. C. Selwyn, Dr. T. Sterry Hunt, Dr. B. Silliman, Prof. H. Youle Hind, and Messrs. John Campbell, Henry Poole, A. Heatherington, H. S. Poole, and Edwin Gilpin.

The following list of reports and pamphlets relating to the Lower Cambrian rocks and the gold-districts, given in chronological order, may be of use to those interested in the study of them.

Gesner: Remarks on the Geology and Mineralogy of Nova Scotia, 1836; The Industrial Resources of Nova Scotia, 1849; Gold-fields of Nova Scotia, 1862; Gold and its Separation from other Minerals, 1863, Trans. N. S. Inst. Nat. Sc., Vol. I., part 1, page 54.

Dawson: Metamorphic and Metalliferous Rocks of the Atlantic Coast of Nova Scotia, 1850, in the Journal of the Geological Society of London, Vol. VI., pp. 347-364; On the Recent Discoveries of Gold in Nova Scotia, 1861, in the Canadian Naturalist, Vol. VI., p. 417; Acadian Geology, 1855, second edition, 1868, and supplement, 1878.

Marsh: The Gold of Nova Scotia, 1861, Amer. Jour. of Science and Arts, Vol. XXXII.

Honeyman: Geology of the Gold-fields of N. S., 1862, Quarterly Jour. Geol. Soc. Vol. XVIII., p. 342; Report on Gay's River Gold-fields, 1866, Trans. N. S. Inst. of Nat. Sc., Vol. II., Part 1, p. 76; Micro-Polariscopic Investigation of the Crystalline Rocks of the Gold-bearing series of Yarmouth, N. S., 1882, ditto, Vol. VI., p. 7; Geology of Halifax and Colchester Counties, 1883, do p. 52. Other Notes by the same author are scattered through the Trans. N. S. Inst. of Nat. Sc.

Annual Reports of the Dept. of Mines of Nova Scotia, 1862-1886.

Poole: Report on the Western Gold District of N. S.

Campbell: Nova Scotia Gold-fields, with section, 1863; Report on the Chebucto Gold Mining Co. of Waverly Gold District, 1864; Report on the Indian Path Gold Mine of Lunenburg District, with plan, 1869.