

rocks.¹ The newly acquired information as to the origin of the rocks necessitated a review of the stratigraphy, which was carried out by Dr. R. W. Ells. Dr. Ells revised the areal geology of the entire Eastern Townships and published reports with maps on a scale of 4 miles = 1 inch. Those which relate to this district appeared in the annual volumes of the Geological Survey for the years 1886, 1887, and 1894.

Numerous other related publications, which have been issued from both official and private sources, will be referred to in the bibliography.

Bibliography.

1849. Hunt, T. S. . . . *Report of Progress, Geological Survey*: describes serpentines and associated minerals from Richmond and Beauce counties.
1850. Logan, Sir W. E. . . *Report of Progress, Geological Survey*: describes the rocks of the St. Francis and Chaudière valleys; and mentions the chromite deposits of Ham.
- Hunt, T. S. . . . Mineral determinations and analyses from the same localities.
1856. Hunt, T. S. . . . *Report of Progress, Geological Survey*: chemical analyses of rocks and minerals from the serpentine belt.
1858. Logan, Sir W. E. . . *Report of Progress, Geological Survey*: presents separate reports on the geological structure, rock varieties and their distribution in the Eastern Townships.
- Hunt, T. S., and Richardson, James. . .
1863. Logan, Sir W. E., assisted by Hunt, T. S. *Geological Survey, Canada*. In a general report entitled 'Geology of Canada' is given a description of the serpentines, with chemical analyses, and observations on their economic importance and geological relations.
1875. Harrington, B. J. . *Report of Progress, Geological Survey*: gives analyses of serpentines from Bolton and Melbourne, showing them to contain chromium, nickel, and cobalt.
1876. Hunt, T. S. . . . *Report Second Geological Survey of Pennsylvania*: includes the rocks of this district, in a discussion on the 'Azoic Rocks and Trap Dykes' of Pennsylvania.
1878. Selwyn, A. R. C. . *Report of Progress, Geological Survey, Part A*: discusses the geological structure of the Quebec Group.
1882. Selwyn, A. R. C. . *Report of Progress, Geological Survey, Part A*: a further discussion of the Quebec Group.
1882. Adams, F. D. . . *Report of Progress, Geological Survey, Part A*: Appendix. Announces the igneous origin of the serpentines and several associated rocks.

¹ Geological Survey, Canada, 1880-1-2. Part A.