

I find in the Museum of the University a fine specimen of graphite, labelled as occurring near Dorchester, in Westmorland County. The specimen is remarkably soft, brilliant, and apparently free from impurities. I am ignorant of its extent and mode of occurrence.

Bog Iron, Manganese, and Ochres.—These are remarkably abundant in the Province, and were it not for the presence of purer ores of the same metals, might possibly prove of value. At present they are not likely to receive any useful application. The ochres may, perhaps, be considered as an exception. These are quite abundant and of great purity, and have already received a local application as different varieties of mineral paint.

LOCALITIES OF MINERAL SPECIES.

In addition to the Minerals now enumerated, there are a number of others of less importance, which do not require individual notice. They are, however, of interest scientifically, and many of them may receive a limited and local useful application. As it is designed to make the present Report one of reference for all subjects connected with the distribution of Ores and Minerals in New Brunswick, I have determined to present, in a tabular form, a list of all the species known to exist in the different localities of the Province. To accomplish this object, I have been obliged to rely, for the most part, on the labours of those who have devoted a longer period to the study than myself, and whose special object has been the exploration of our mineral wealth.

The accompanying List of Mineral Localities was originally drawn up by Mr. G. F. Matthew, of St. John, (himself one of the most earnest and successful laborers in this field of study.) from the writings of Dr. Gesner, Dr. Robb, and from his own observations. The original list has already been published in the St. John papers, and by Mr. O. C. Marsh in the March (1863) Number of Silliman's Journal. My own labors, however, during the past summer, having allowed me to add so many new localities, and to define with more precision the position of so many deposits, before only imperfectly known, I need scarcely offer an apology for presenting the list anew. It is, moreover, desirable that such a list should be allowed to circulate through the Province in a convenient form for reference, which is not now the case.

The method adopted in the arrangement of these Tables is the same used in all lists of mineral localities. Ordinary specimens are printed in ordinary type; fair specimens are italicized; choice specimens are marked (!); and two marks of exclamation (!!) indicate that the specimens are *unique*. Marks of interrogation placed after a word, express a degree of *doubt* as to the correctness of that word.