

Having thus glanced over the Field operations of the Survey, let us shortly consider the means the Director has had at his disposal to accomplish what already has been done.

In 1843, Mr. Logan, accompanied by a single Indian with a bark canoe, made a thorough examination of the whole of the Gaspé Coast, counting every step he took from Cape Rosier to Port Daniel, besides making many pedestrian excursions into the interior—and collecting a large quantity of most valuable fossils and other specimens. And while he was thus employed his assistant, Mr. Alexander Murray—frequently entirely alone, and often in parts remote from all settlements—collected sufficient information to give a tolerably correct idea of the structure of the whole Western Peninsula. In 1844 and 1845, a triangulation was effected across the Gaspé Peninsula from Cape Chat to Bay Chaleur, a large portion of the range of the Notre Dame or Shick-Shock Mountains surveyed, most of the principal rivers measured, the geological character of the rocks ascertained, and specimens collected. This service was performed with a party consisting of only four Indians with two canoes. In making the survey of the Ottawa more assistance was found to be absolutely necessary, but, except in few instances, neither Mr. Logan nor Mr. Murray's party have exceeded the complement of six altogether—inclusive of four Indians and an assistant.

Since 1845, when the additional appropriation was granted, an explorer has been added to the staff whose labors have been incessant and of great value; but while fully admitting the greatly improved circumstances under which the survey was then placed, and the more extensive scale under which the operations were enabled to be carried on, it must be clear to any one at all acquainted with the nature of the service, and of the difficulties to be encountered in a perfectly new country, that the amount of work performed and reported upon never could have been accomplished but by the most indefatigable perseverance and continued application. Accuracy with Mr. Logan is everything—nothing is allowed with him to be of the slightest value that is not essentially correct. With regard to the office work, we have simply to refer to Mr. Logan's own answer before the Select Committee of the House of Assembly to question 73, on page 26 of the published Report, to show how his time is there employed:

Question 73, page 26 (referred to.)—"Each one on the Survey has so much to do connected with his own individual department, that all the general office work falls upon me. I keep all the accounts, and for that purpose a set of books by double entry, in which I enter no gross sums, with a reference to accounts, but everything in detail for easy and immediate reference if required, and I render an account to the Government with the same detail on the face of it; so that any