

The CHAIRMAN: We suggested at the last meeting that, instead of starting at item 186, in view of Dr. Harrison's commitments and his having to be on duty, we would hear him this morning and commence on item 200. The committee will understand that at the next meeting, or at the conclusion of Dr. Harrison's evidence, you will be free to examine the minister on his statement and on anything else related to the first item.

If you will refer to items 200 and 201, which are the items under discussion, instead of Dr. Harrison making a statement perhaps someone would like to make some inquiries of him. This is at page 41 in your estimates.

GEOLOGICAL SURVEY OF CANADA

Item 200	Administration, Operation and Maintenance, including Canada's share of the cost of the Geological Liaison Office, British Commonwealth Scientific Conference, London, England, and \$50,000 for Grants in aid of Geological Research in Canadian Universities	\$3,299,108
Item 201	Construction or Acquisition of Equipment	198,118
		<u>\$3,497,226</u>

Mr. DUMAS: Dr. Harrison, we have here the statement of the minister, then we have the review of activities, and then a report by Mr. Lord the chief geologist on the work performed in 1958. Last year I told you I was very much interested in the Fort George operation and I understand that during 1957 about one-third of the work was done on this operation. Last year about 35 thousand square miles were covered, making a total of roughly 70 or 80 thousand miles. You have about 35 thousand miles to complete in 1959. Do you expect this operation will be all completed during 1959?

Dr. J. M. HARRISON (*Director, Geological Survey of Canada*): I am not sure that "expect" is the right word. We certainly hope so, but we are getting into more heavily timbered areas this year and are not certain just how well the operation will work in the more heavily timbered areas which limit the use of helicopters a little more than previously. If we get a break in the weather we should complete the full project by the fall of 1959.

Mr. DUMAS: I see in the report for 1958 that three green-stone belts have been located and one of those is reported to be about 35 miles long and six miles wide. What size are the others?

Dr. HARRISON: They are smaller, considerably smaller than that but still large enough to be of significant interest and I believe have been examined.

Mr. DUMAS: This operation is more of a reconnaissance survey?

Dr. HARRISON: This is the initial survey.

Mr. DUMAS: Do you think after this operation is completed that more detailed surveys will be justified?

Dr. HARRISON: In certain parts of it beyond any doubt. This is the whole idea of the initial reconnaissance mapping, to find out those parts of Canada which merit more detailed investigations with a view to learning more about the natural resources and the general geology of the country.

Mr. DUMAS: This is interesting. I think your branch should be congratulated for what it is doing there. In respect of "Operation Pelly", it is to be started in 1959?

Dr. HARRISON: Yes.

Mr. DUMAS: And Coppermine?

Dr. HARRISON: Yes.

Mr. DUMAS: No work is done except perhaps on investigations as to how you will proceed?