

## MINERAL OCCURRENCE DATA SYSTEM

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### Introduction

The Mineral Occurrence Data System is designed to offer an efficient information service on all mineral occurrences in Newfoundland and Labrador. It is a two-part project comprising a Mineral Inventory File done on a word processor and a computerized Mineral Index.

### Mineral Inventory File

The Mineral Inventory File is part of the National Mineral Inventory and consists of mineral occurrence descriptions which summarize all the available information on known mineral occurrences in the province. A description may be prepared for any type of occurrence from an indication to a producing mine.

To date, information on all mineral occurrences for the island of Newfoundland has been compiled (Figure 1). During 1983, the mineral occurrences for areas 12A, 11O, 11P, 11L and 11M were completed. In Labrador (Figure 2), areas 23J and 23I have also been completed. These descriptions are now being edited and will be available within the next few months. In addition, areas done previously have been updated and the revised descriptions are now available.

Mineral inventory descriptions and 1:50,000 scale location maps are presently being microfiched. Areas which have been completed and are now available are 2E, 12B and 12H on the island, and 13K and 14C in Labrador.

After descriptions are completed for an NTS area, the occurrences are plotted on maps with updated geological bases and then published. Mineral occurrence maps

(1:250,000) have been published for NTS areas 12B (Stephenville), 2E (Rotwood), and 14C (Nain). In addition, during 1983, maps for the following areas were published: 13K (Snegamook Lake, 1:250,000), 13K/5 (Wuchusk Lake, 1:50,000), parts of 13J and 13O (Rigolet and Makkovik, 1:100,000). Maps in the following areas have been prepared and will be published within the next year: 1K-1N (Avalon Peninsula), 2C (Bonavista), 2D (Gander Lake), 2F (Wesleyville), 12G (Bay of Islands), 12H (Sandy Lake), 12I (Port Saunders), 12P-2M (Blanc Sablon - St. Anthony) and 13N (Hopedale).

### Computerized Mineral Index

The computerized Mineral Index is organized so that a wide variety of complex retrievals can be made which would be virtually impossible with a manual system. The computerized index contains information selectively extracted from the Mineral Inventory File.

All occurrences compiled before 1983 have been coded and input into the computer. Those occurrences compiled in 1983 are now being coded and will be input within the next year.



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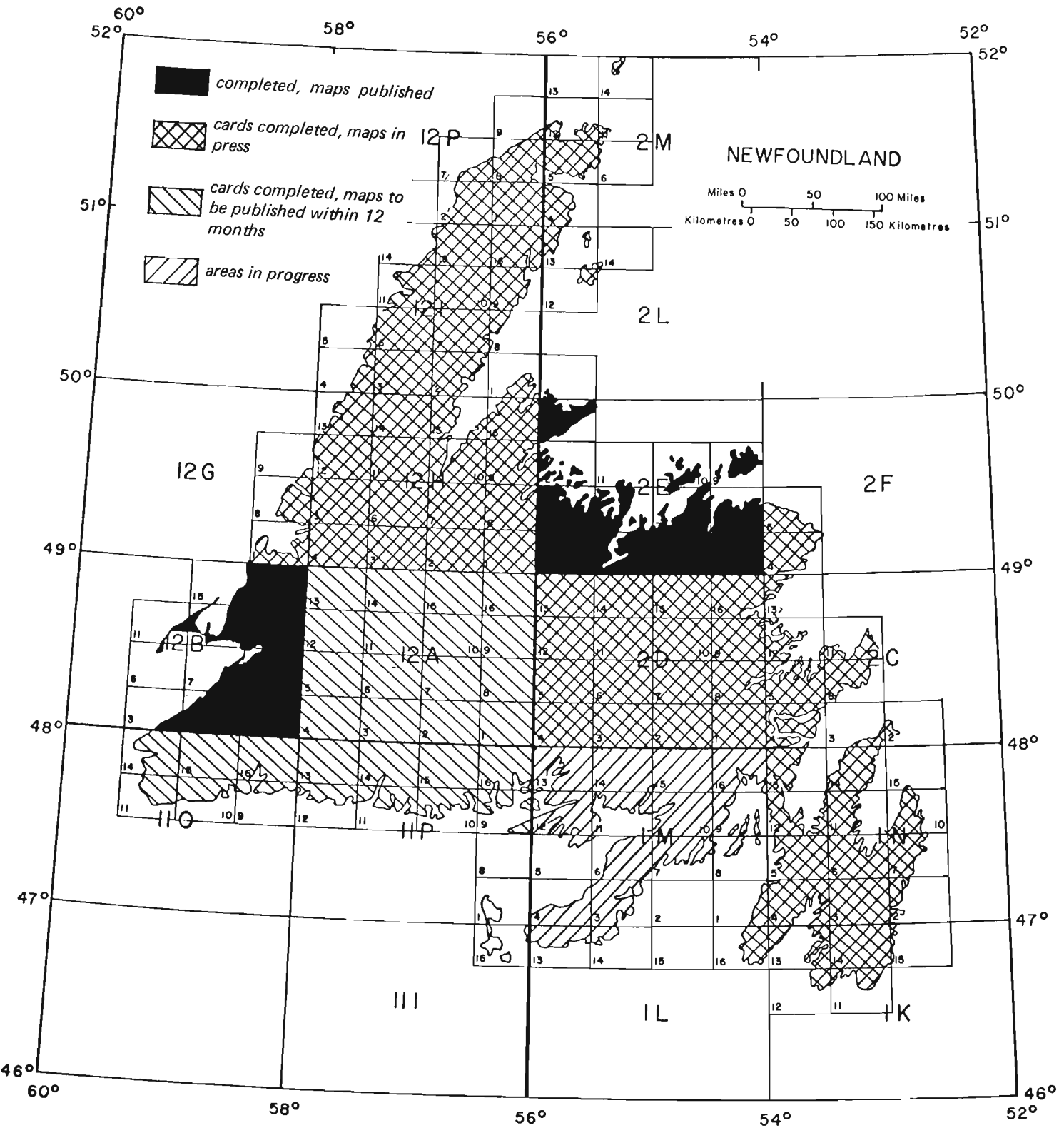


Figure 1: Index map for Mineral Occurrence Data System project, insular Newfoundland.

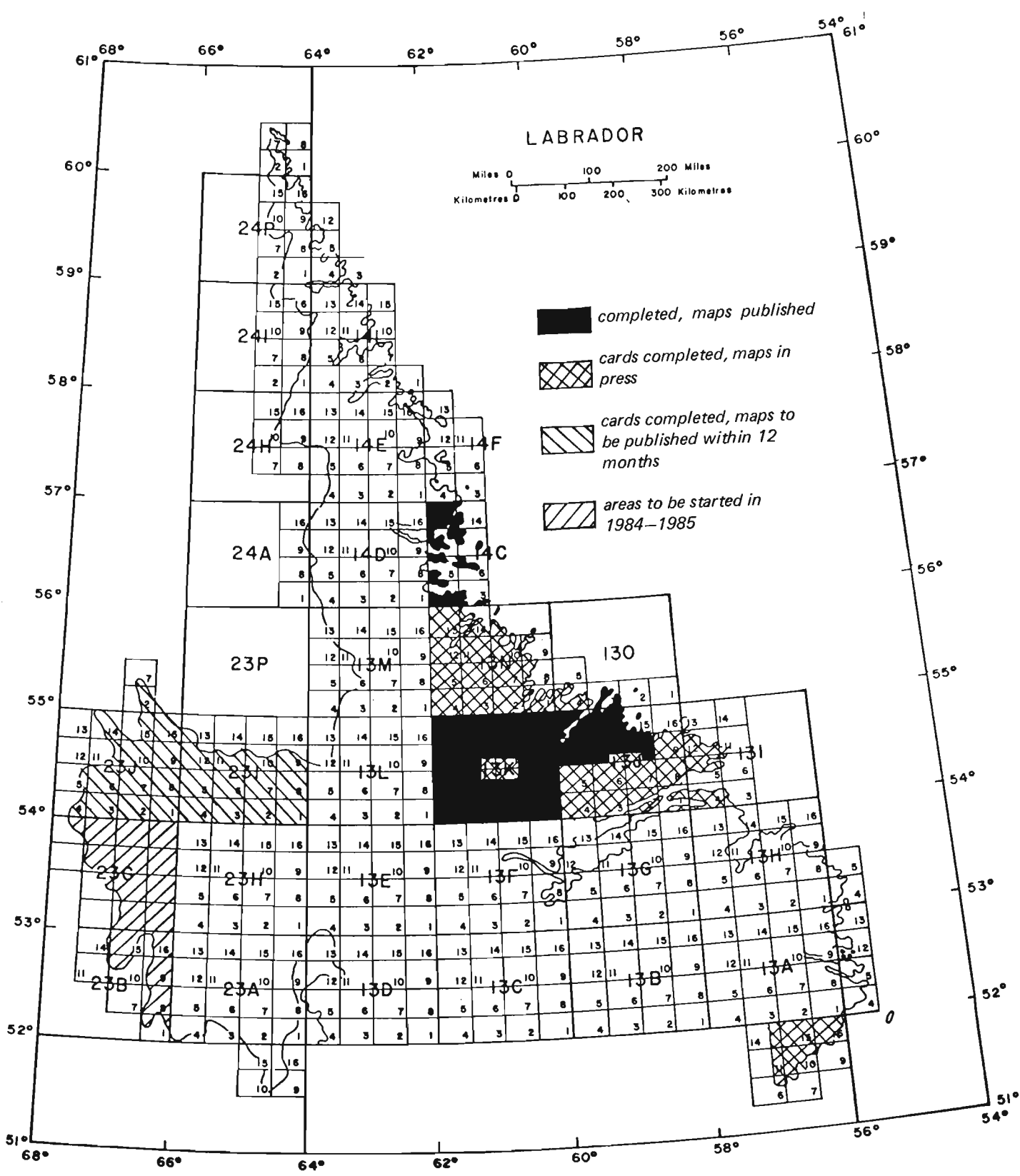


Figure 2: Index map for Mineral Occurrence Data System project, Labrador.