

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 and a computerized Mineral Index.

MINERAL INVENTORY FILE

The Mineral Inventory File 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. It contains information under the following headings: name, product, owner/operator, land tenure, location and access, description, history of exploration and development, production and/or reserves, status, type of deposit, mineralogical composition, nature of mineralization and genesis, host rocks, structure of deposit, structural features and tectonic setting, metal/mineral content, geophysical expression, geochemical expression, physiographic setting, remarks and references.

Information on all mineral occurrences for the island of Newfoundland has been compiled except area 11P (see Figure 1). Areas 1L and 1M are now being input and will be available within the next few months. Areas which have been completed in Labrador are: 13I, 13J, 13K, 13N, 13O, 14C, 23I, 23J and 23O (see Figure 2). These map areas are located in the Central Mineral Belt and the Labrador Trough.

At present, the file consists of approximately 3000 mineral occurrence descriptions and each description contains

at least 3 pages and in some cases up to 10 pages. The whole file contains approximately 15,000 pages. These descriptions are available at the cost of 15 cents per sheet.

The file is presently being microfiched with topographic location maps and as they are completed, copies will be available upon request. Areas which have been microfiched are 2C, 2E, 2F, 12B, 12H, 12P, 13K, 13N and 14C. It is hoped to have the complete file microfiched over the next year.

1:250,000 mineral occurrence maps with updated geological bases are being prepared for printing. So far, twelve maps have been printed and are available upon request at a cost of \$3.00 each. These are 2C, 2D, 2E, 2F, 2M, 11O, 12B, 12G, 12P, 13K, 13N and 14C. In addition, a 1:100,000 map of parts of 13J and O and a 1:50,000 map of 13K/5 are printed and available. These maps contain locations of all mineral occurrences in the area together with a listing of these occurrences which includes the name, status and minerals present. Published maps for most of Newfoundland and some parts of Labrador will be available within the next year.

COMPUTERIZED MINERAL INDEX

The computerized Mineral Index contains information selectively extracted from the Mineral Inventory File. When complete, it will be possible to make a wide variety of complex retrievals which would be virtually impossible if a manual system were used. The computerized file is not presently available for reproduction but can be accessed at the Department of Mines and Energy offices in St. John's.

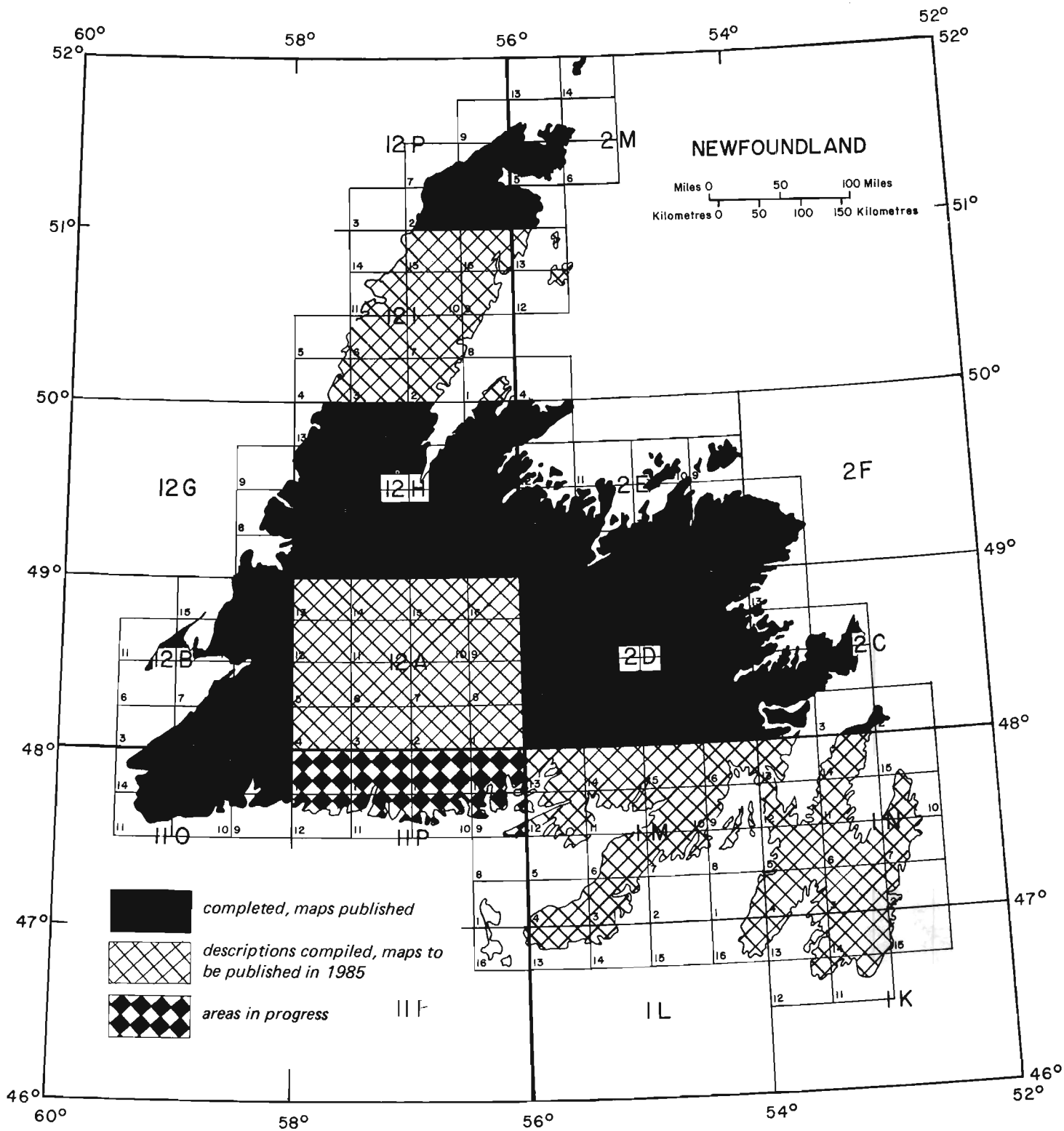


FIGURE 1: Index map for Mineral Occurrence Data System project, insular Newfoundland.

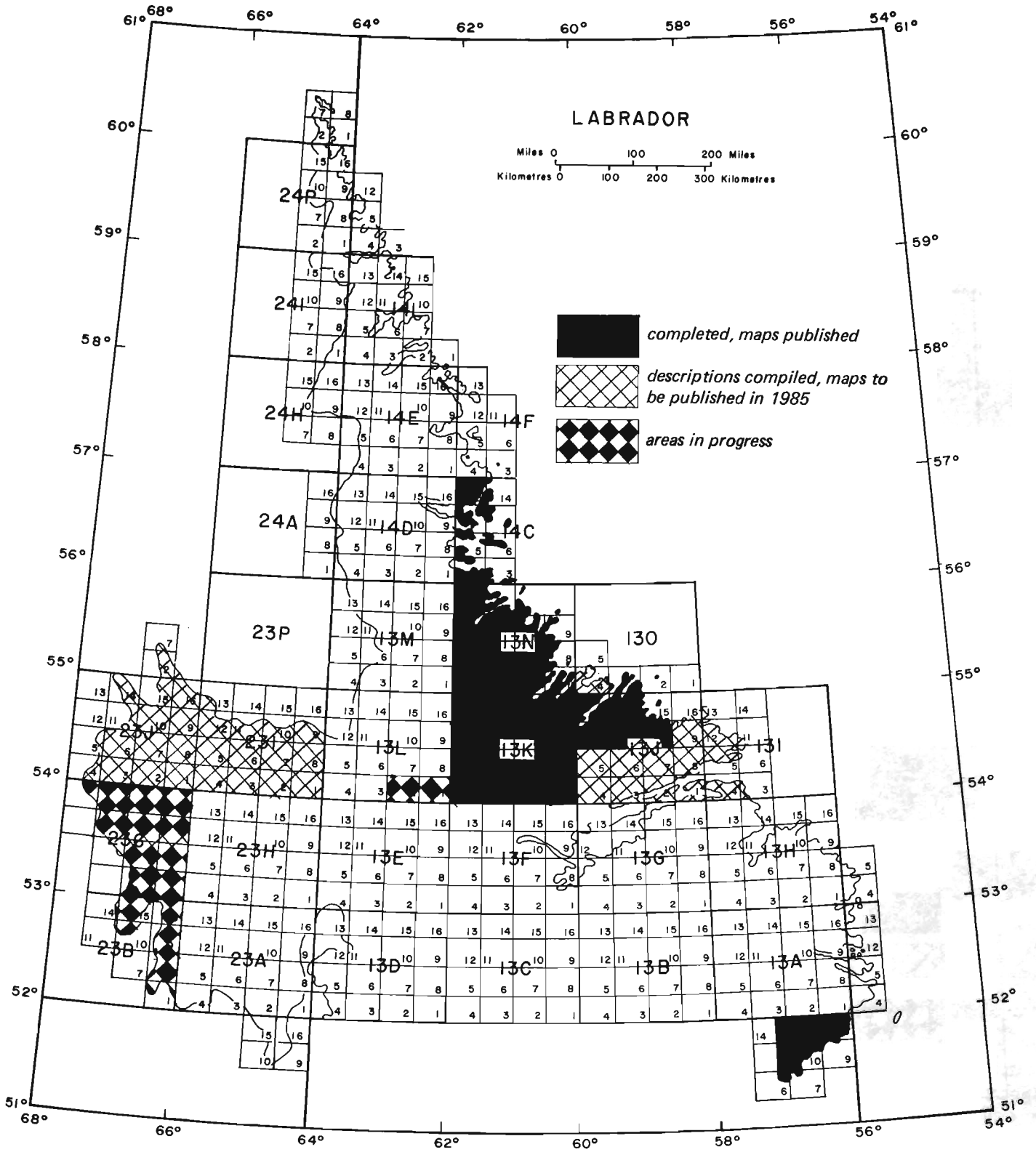


FIGURE 2: Index map for Mineral Occurrence Data System project, Labrador.