

MINERAL OCCURRENCE DATA SYSTEM (MODS)

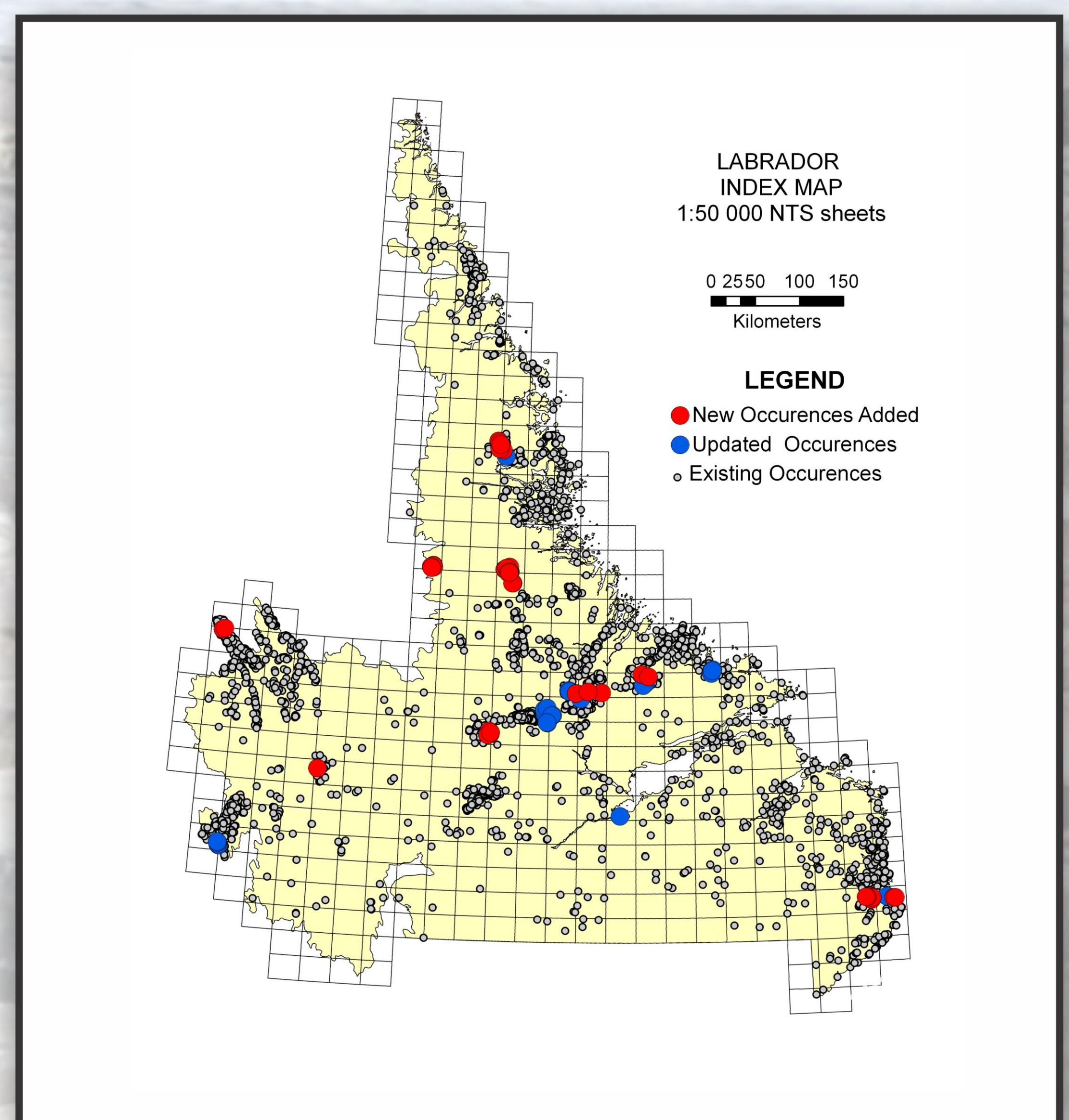
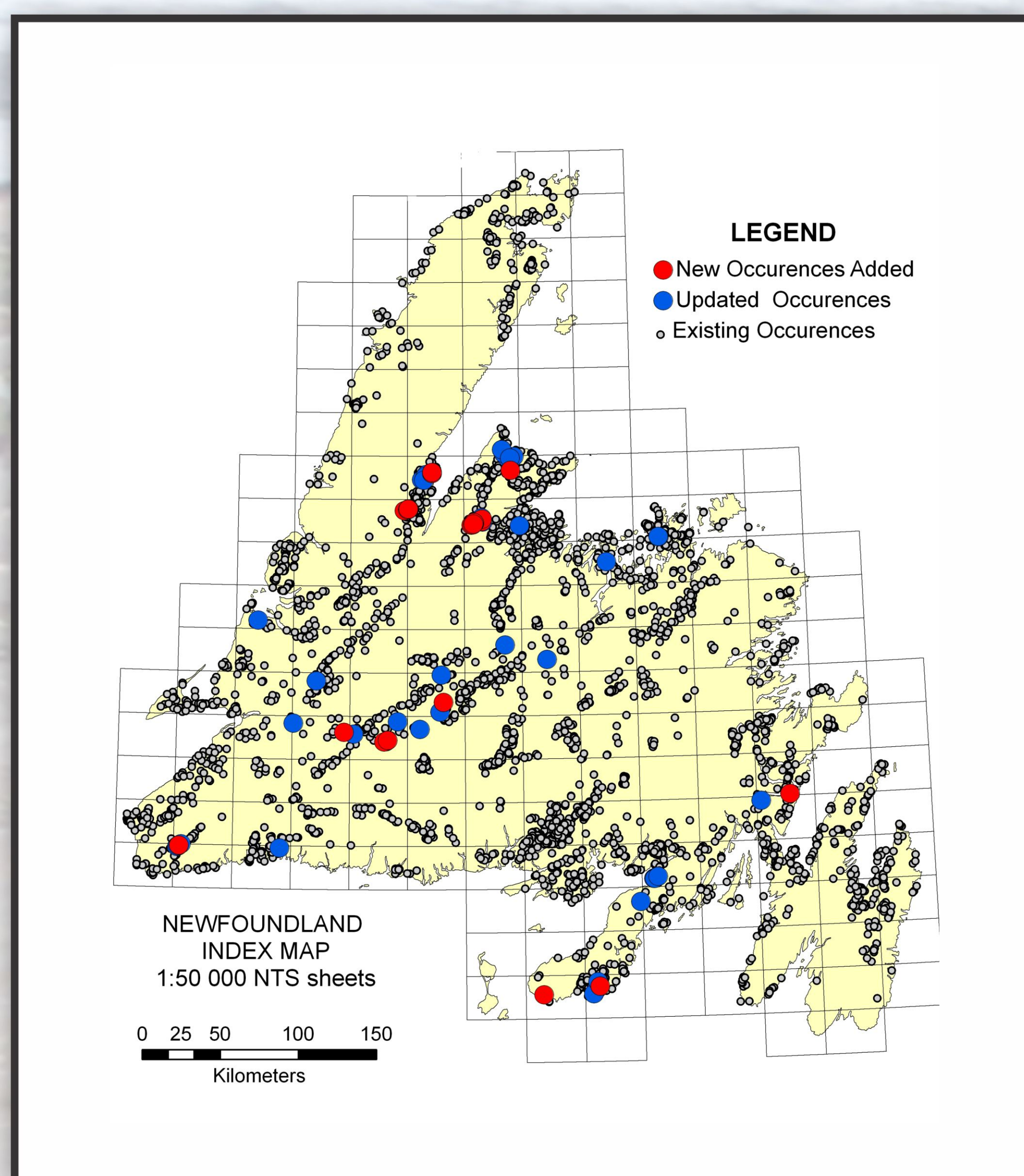
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The Mineral Occurrence Data System (MODS) is a vital resource available for explorationists and researchers interested in the mineral resources of the Province. It provides locational information on occurrences, information on previous exploration work and essential geological data, and also classifies them by style and geological context. The database currently contains over 6675 records, and is updated and added to continuously.

Format and Delivery Mechanisms

Most users of MODS access records across the internet, via the Geological Survey website. The standard website interface allows the database to be searched using geographic and/or geologic criteria to retrieve specific sets of records for more detailed analysis. MODS data are also displayed graphically through the online Geoscience Atlas, in conjunction with other geographic and geological data, and can be queried in a more limited manner through this graphical interface.

MODS data are an important component of other Geographic Information Systems (GIS) developed by the Survey for mineral resource and geoscientific purposes. Selected data from MODS form part of the Geoscience Atlas on CD-ROM, which contains GIS data for Newfoundland and Labrador. MODS data are also provided via thematic maps available as digital or on-demand printed products; these cover commodities (e.g., gold, copper, lead-zinc) or deposit types (VMS, carbonate-hosted). Such maps complement the **Commodity Series Reports** on these and other commodities.



Maps showing the distribution of mineral occurrences in MODS, and new and updated occurrences from work in 2012. Note that minor updates of occurrences are not indicated for the sake of clarity.

Developments in 2012

Record levels of mineral exploration translate into a flood of new information — keeping MODS up to date is one of the greatest challenges at present! Systematic updates by NTS map sheet continue to be important, with most work focused on 11O (southwest Newfoundland) and 12H (west-central Newfoundland). We also implement updates on a province-wide basis by accessing press releases and mineral-industry assessment reports as they gain public-domain status. Areas treated in this manner include 1L, 1M, 1N, 2C, 2D, 2E, 11O, 12A, 12G, 12I (Newfoundland), and 3D, 13A, 13F, 13J, 13K, 13L, 13M, 14D, 14E, 23B, 23H and 23J (Labrador). In 2012, we continued to achieve consistent delivery of new information through both the database and the graphical interface. The information available through the Geoscience Atlas is updated every 24 hours to reflect database changes.