

# MINERAL OCCURRENCE DATA SYSTEM (MODS)

The Mineral Occurrence Data System (MODS) is a vital resource available for explorationists and researchers interested in the mineral resources of the Province. MODS provides locational information on showings and prospects, information on previous

exploration work and essential geological data, and classifies them by style and geological context. The database currently contains over 6000 records and grows on a weekly basis.

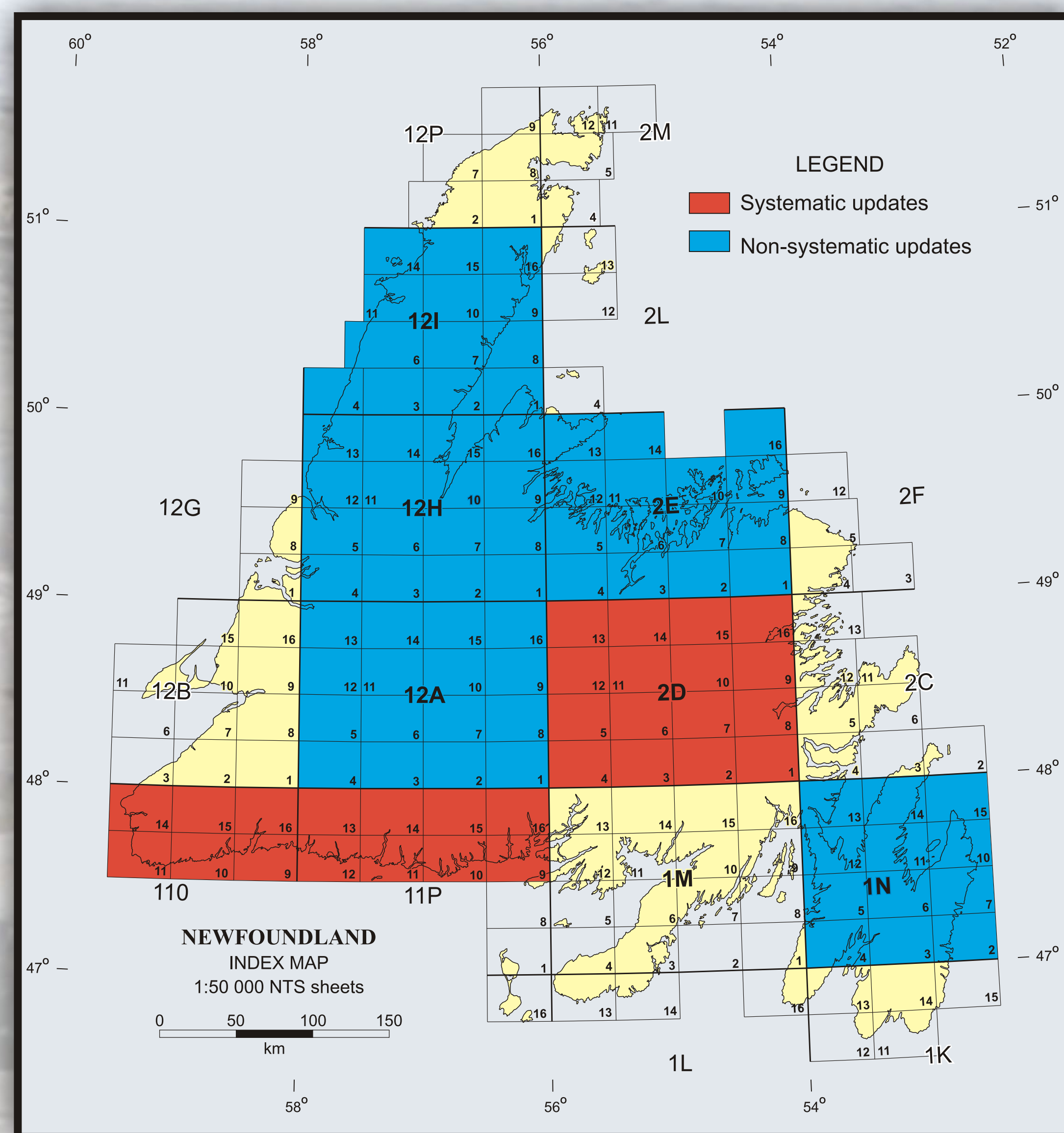
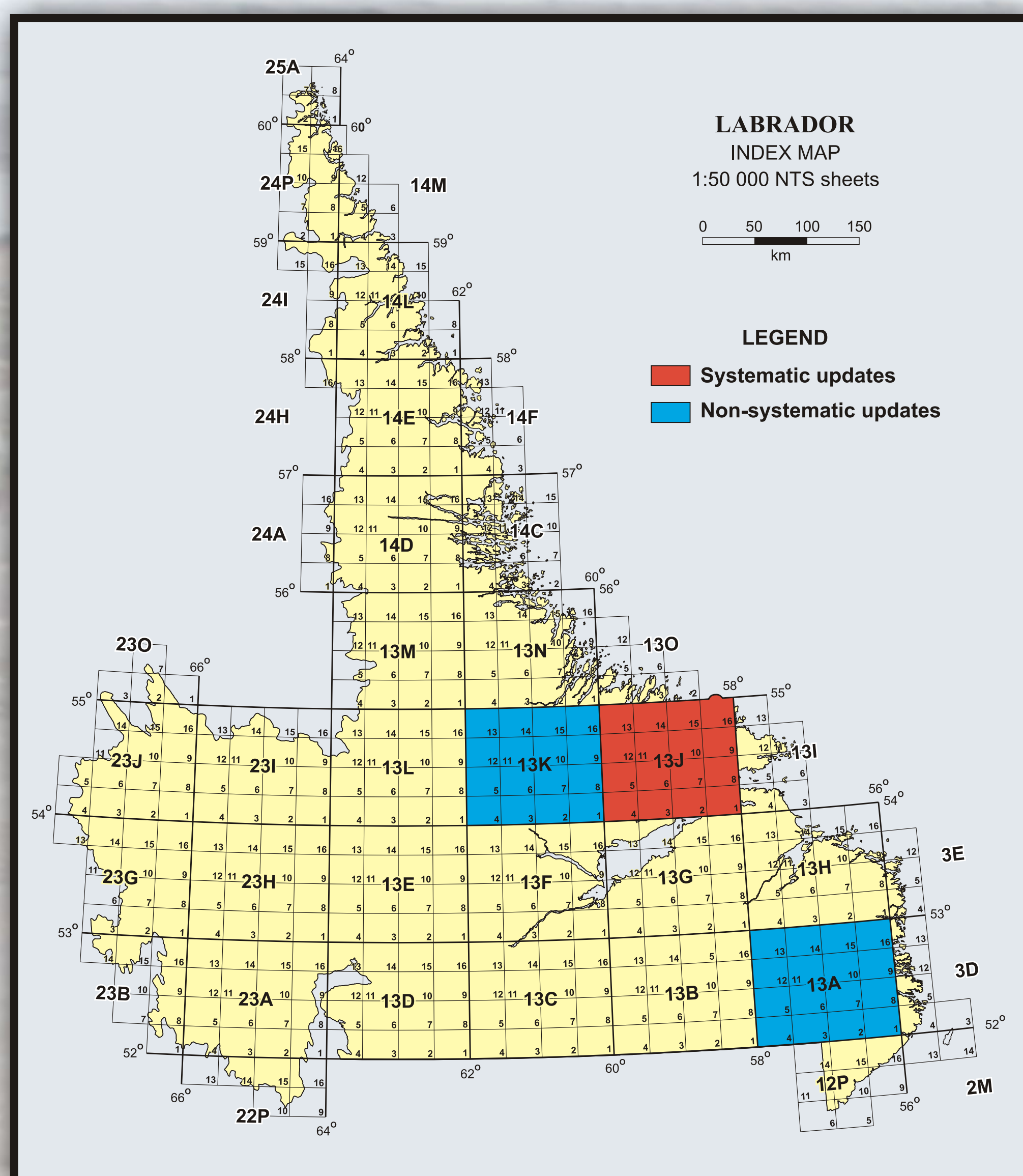
## Format and Delivery Mechanisms

Most users of MODS access records 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 data, and can also 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. MODS data are also provided via thematic maps available as digital or on-demand printed products; these cover important commodities (e.g., gold, copper, lead-zinc) or deposit types (e.g., VMS, carbonate-hosted).

Such maps offer a valuable complement to the **Commodity Series Reports** on these and related commodities.



Maps showing the distribution of map sheets that were the focus of systematic updating and expansion efforts for MODS in 2008-2009

## Developments in 2009

Record levels of mineral exploration, notably in Labrador, translate into a flood of new information — keeping our 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 2D (east-central Newfoundland), 11P and 11O (southwest Newfoundland) and 13J (Central Mineral Belt, Labrador). We also continuously implement updates on a province-wide basis by accessing mineral-industry assessment reports as they gain public-domain status. Areas treated in this manner include

1N, 2E, 12A, 12H and 12I (Newfoundland), and 13A and 13K (Labrador). In 2009, we also moved to more consistent delivery of new information through both the database and the graphical interface. However, conversion of the Resources Atlas to display “real-time” MODS information continues to be impeded by security and administrative issues related to the Office of the Chief Information Officer (OCIO). Testing of the real-time hyperlink is currently in progress.