

## **ASCM INDEX MAPS**

### **Introduction**

Alberta Survey Control Marker (ASCM) index maps are a graphical representation of the provincial spatial referencing system. The index maps display the location of integrated ASCMs in relation to various base mapping features including the Alberta Township System, hydrography, geo-administrative boundaries (Municipal and Canada lands), road networks, railways, and airports. In addition, index maps covering urban areas include street names, networks, and major facilities (schools, hospitals, etc.). Only those markers with a marker condition of GOOD or ANOMALOUS are displayed on the index maps.

### **Urban Index Maps**

The urban index maps comprise the 73 (former) Municipal Integrated Survey & Mapping (MISAM) municipalities in Alberta. Each map is named after the municipality that it encompasses. The maps are plotted at a scale of 1:20,000 using a 3-degree Transverse Mercator (3TM) projection. In most cases there is only one index map per MISAM municipality. However, for the Cities of Edmonton and Calgary, multiple index maps at the 1:20,000 scale are used to provide coverage for each city. Edmonton is covered by 9 and Calgary is covered by 12 individual index maps.

In addition to the base mapping information on the urban index maps, these maps also display both the North American Datum 1927 and 1983 3TM grid lines for the limits of the 1:5000 cadastral map sheets.

### **Rural Index Maps**

The rural index maps comprise all areas within Alberta (including parts of southeast British Columbia) that are outside of the 73 MISAM municipalities. The coverage for each map is based on the National Topographic System 1:250,000 scale maps. Therefore, the rural index maps in Alberta cover an area of one degree in latitude and two degrees in longitude, at a scale of 1:250,000, on the Universal Transverse Mercator (UTM) projection. The name of each index map is based on the latitude and longitude of the map's southeast corner. Hence, the map sheet covering the southeast corner of Alberta is called 49110.

In addition to the UTM grid, the rural index maps also display a geographic grid in 15 arc-minute increments in latitude and longitude. The rural maps are referenced to the North American Datum 1927.

### **Index Map General Information**

The original production date of the ASCM index maps varies between 1988 and 1994 with no new maps being produced since that time. Therefore, users should use caution when referring to the non-ASCM information on the index maps. The original Mylar production date is displayed on the lower right-hand side of the index map along with the scanned date and last revision date. Please note that the last revision date usually refers to the date on which a destroyed marker was removed from the Mylar and scanned image.

Each index map also includes textual general information regarding ASCMs, has a scale bar, and an index map key showing the location of the map as it relates to its surrounding indexes.

### **More Information**

This fact sheet is one of a series published by Lands Division, Geodetic Control Unit. For more information, please visit our web site at

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