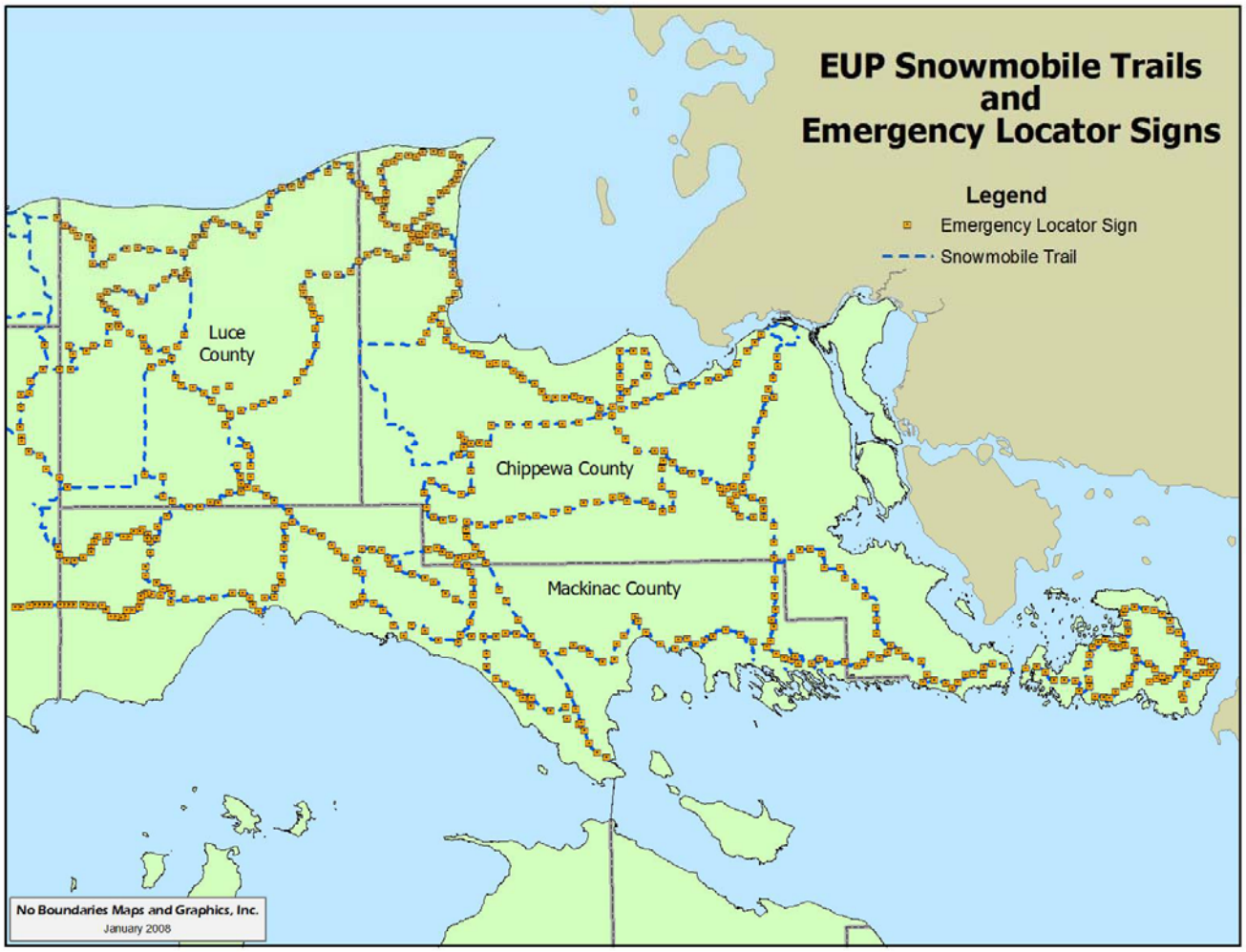
Eastern Upper Peninsula Snowmobile Trail Emergency Locator Sign System



The identification shown on the Emergency Trail Locator Signs are referenced to the U.S. National Grid (USNG), an alphanumeric referencing system based on the UTM projection and Military Grid Reference System (MGRS). The USNG has the advantage of being both uniform, coordinate values express the same distance in both the East-West and North-South directions, and scalable, increasing the number of digits increases how accurately a position is determined.

The first two letters on the sign identifies a 100 kilometer (approximately 62 mile) grid. Following the two letters USNG coordinates will always have an equal number of digits. These four digits are separated in half with the first half being the East value and the second half being the North value. Coordinates always increase, and are read, right (East) and up (North).

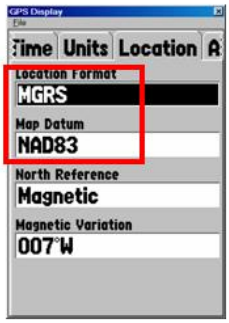
The letter number combination on the signs identify the 1 kilometer grid square that the sign falls within. The system is designed so that no two signs occupy the same grid square.

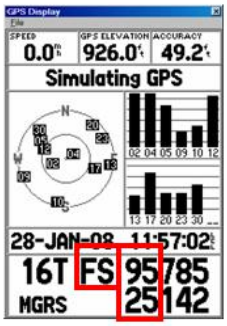
Using the Emergency Locator Signs with GPS

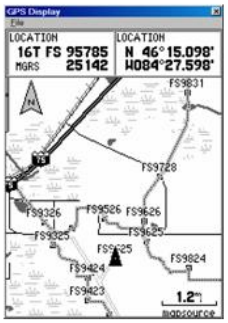
Coordinate Example **16T FS 95785 25142**

Reasons for Choosing the US National Grid

- USNG has become the nationwide standard for disaster response.
- USNG is a rectangular grid system – Unlike Latitude / Longitude.
- USNG coordinates are scaleable – More digits, more accuracy.
- USNG works with all GPS receivers.







To get a GPS to display USNG coordinates, set the Datum to either NAD-83 or WGS-84, and then select MGRS as the coordinate system. Be aware that your GPS may display more digits, typically 10 (5 for the Easting and 5 for the Northing), giving a resolution of one meter. The numbers on the signs have a resolution of 1km, the first 2 digits of the Easting and the first 2 digits of the Northing on a GPS display.