

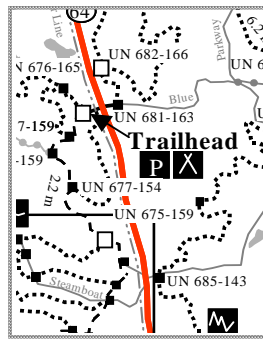
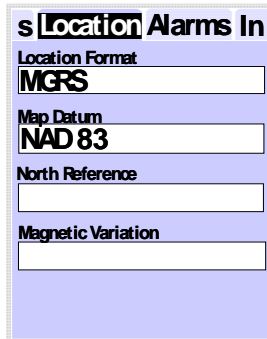
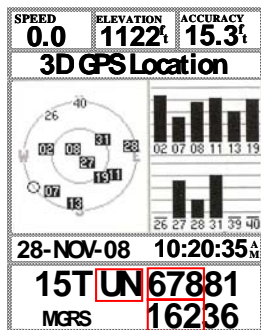
Using MN Emergency Trail Locator Signs with a GPS

Minnesota Emergency Trail Locator Signs are derived using the US National Grid (MSRG) coordinate system. MSRG is a rectangular grid with scalable coordinates.

Locator sign example: Martineau Recreational Trail – Trailhead

15T UN 67881 16236

Coordinates are rounded to nearest 1/10 km



To get a GPS to display MSRG coordinates, set the Datum to NAD-83 or WGS-84. Then select MGRS as the coordinate system. Your GPS will typically display the grid (15T UN) along with 10 digits (the first 5 are easting and second 5 are northing) giving a resolution of 1 m. The coordinates on the sign have been rounded to show a resolution of 1/10 km.

To convert MN Emergency Trail Locator Sign coordinates to MSRG coordinates for a GPS (Minnesota Only) use the following steps:

For all areas within the Paul Bunyan State Forest enter “15T” followed by the UN grid designation (1st 2 letters on sign) followed by the easting (1st 3 numbers on sign with 2 zeros added) followed by the northing (2nd 3 numbers on the sign with 2 zeros added)

Coordinate will have an accuracy of about 330 ft.

15T UN 67800 16200

This document has been produced by the Paul Bunyan Forest Riders MC Inc www.paulbunyanforestriders with help from the State of MN, Yamaha OHV Trail Access Grant and Brothers Motorsports of Brainerd MN.