

Getting Your Data on a Map

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GARMIN™







**Minnesota**
Department of Natural Resources

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DNRGPS Application

Description

DNRGPS is an update to the popular DNRGarmin application. DNRGPS and its predecessor were built to transfer data between Garmin handheld GPS receivers and GIS software.

DNRGPS was released as Open Source software with the intention that the GPS user community will become stewards of the application, initiating future modifications and enhancements.

Download Program

- **DNRGPS 6.0.0.15 (28MB)**
 - Last modified 9/13/2012
 - Compatible with Windows XP and Windows 7 (not tested with other operating systems)
 - Compatible with ArcGIS 10.0, Google Earth, Most Garmin GPSs, and other NMEA output GPSs
 - Not compatible with ArcGIS 9.x - see old **DNRGarmin** page
 - Not compatible with ArcGIS 10.1 - hope to be soon!
 - Prerequisite: .NET 4 Framework - **download here**
 - View **Known Issues**

Report a bug or enhancement

DNRGPS Function Highlights

- Upload/Download Waypoints, Tracks, Routes - Save as .gdb, .shp, .txt, etc.
- Calculate Shape attributes - Area, Perimeter, Length
- Convert points, lines, and polygons
- Set projections
- USB Connectivity

Geoprocessing



GPX To Features



Parameters Environments



* Input GPX File

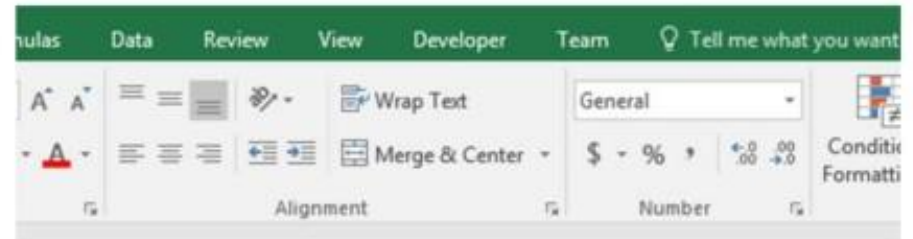


* Output Feature class



Run





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ArcGIS DBF Table Format Issues

- ArcGIS shapefile's native tabular format is dBase. This is an old format and has formatting issues.
- Header names cannot start with a number.
- Header names must be ten or less characters.
- No spaces allowed in names.
- No special characters other than an underscore (“_”).
- ArcGIS will not give you an error and may show you some columns but your table will not import completely.

Solution is a File Geodatabase