



DNRGPS Settings for NRCS Users

Abstract

This guide outlines the best settings in DNRGPS for NRCS users, covering projections, tabular properties, communications port, and baud rate as well as how to make these settings.

Steps: Set Projection to NAD83, UTM zone 16N – Set Data Type Properties to hide extra file formats – Set Properties for tabular fields to use for Waypoints, Tracks, Routes, and Real Time tracking

Details

Setting Projection

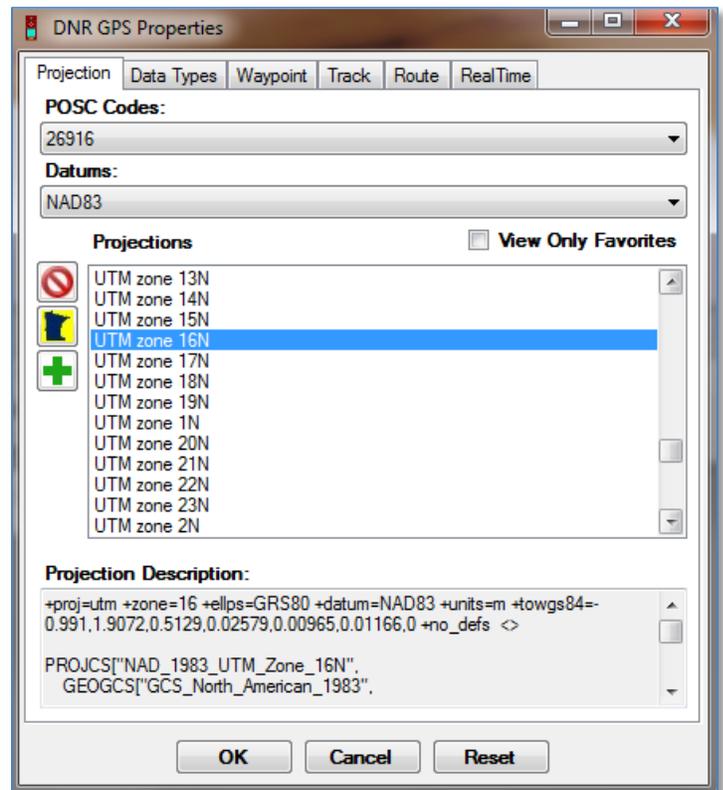
Projection should be set as follows:

POSC Codes: 26916

Datums: NAD83

Projections: UTM zone 16N

1. To set your projection, if necessary:
 - a. **Click File → Set Projection...**
 - b. **Click the *Datums* drop-down and select **NAD83** from the list.**
 - c. After the datum is set to **NAD83** the list of *Projections* in the next section of the window will update.
 - d. **Scroll** through the list of *Projections* that are associated with the **NAD83** datum and **click** the entry for **UTM zone 16N** to highlight it.
 - e. **Click OK.**

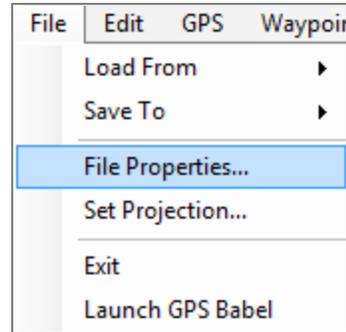




Data Type Settings

These settings will hide file type extensions that are not commonly used currently at Indiana NRCS Field Offices from appearing in most of the *Save* and *Load/Open* dialogue windows in *DNRGPS*.

1. Click **File** → **File Properties...**

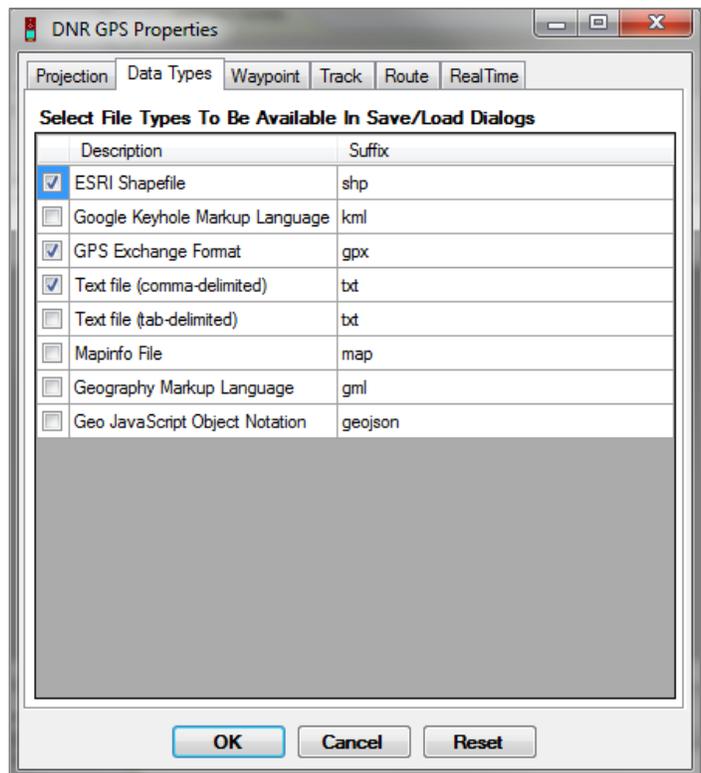


2. In the *Data Types* list, uncheck the boxes for:

- *Google Keyhole Markup Language*
- *Text file (tab-delimited)*
- *Mapinfo File*
- *Geography Markup Language*
- *Geo JavaScript Object Notation*

If you ever encounter a file stored as the above types, you would need to reactivate the check box for it in these properties for *DNRGPS* to make the file type usable in its dialogue windows.

3. Click **OK**.



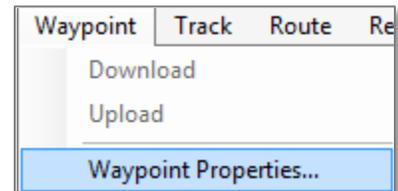


Tabular Settings

These settings control which fields appear in the DNRGPS table when working with data. The options vary depending on the type of data (Waypoint, Route, Track, or Real Time). This section will describe how to make settings for each of these types. In DNRGPS, many extra columns are available in these tables, some of which do not work with the GPS units in use in Indiana Field Offices. For this reason, we turn off most of the extra fields so that Upload and Download functions will work properly.

Set Waypoint Properties

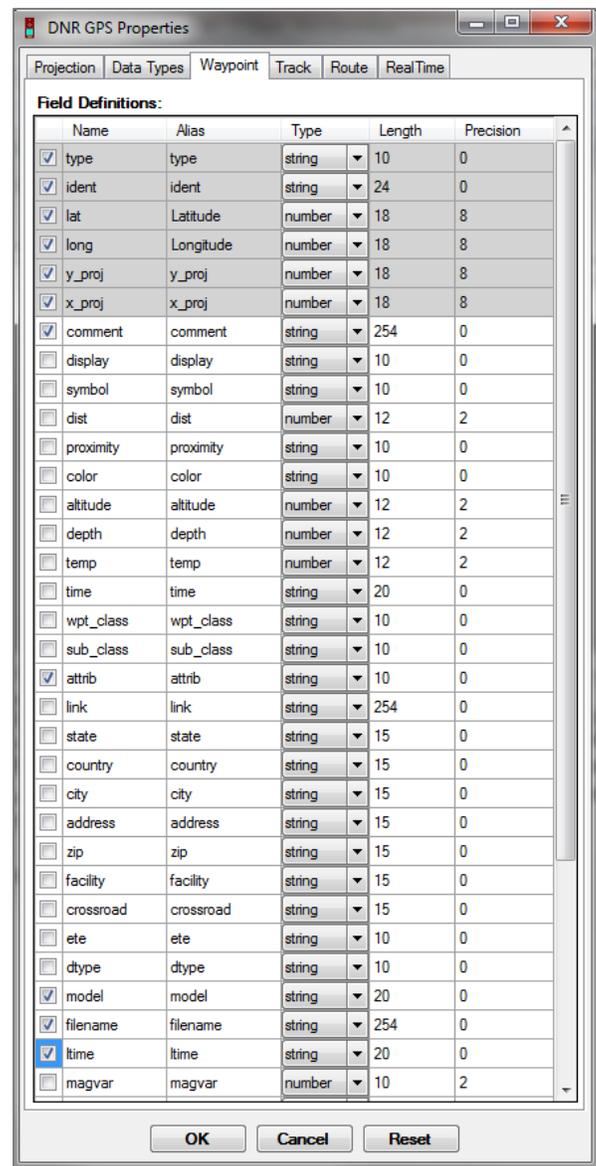
1. To set the properties of Waypoints, **click the *Waypoint* → *Waypoint Properties...***



2. A table with check boxes will appear listing all possible fields to display for the point type. To use a field its box should be checked. To turn a column off its box should be unchecked.
3. Note that some fields are required. These will be greyed out and cannot be deactivated.
4. When finished setting properties, **click *OK***.

Waypoint Properties List

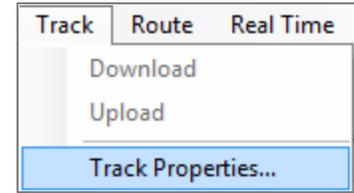
type
ident
lat
long
y_proj
x_proj
comment





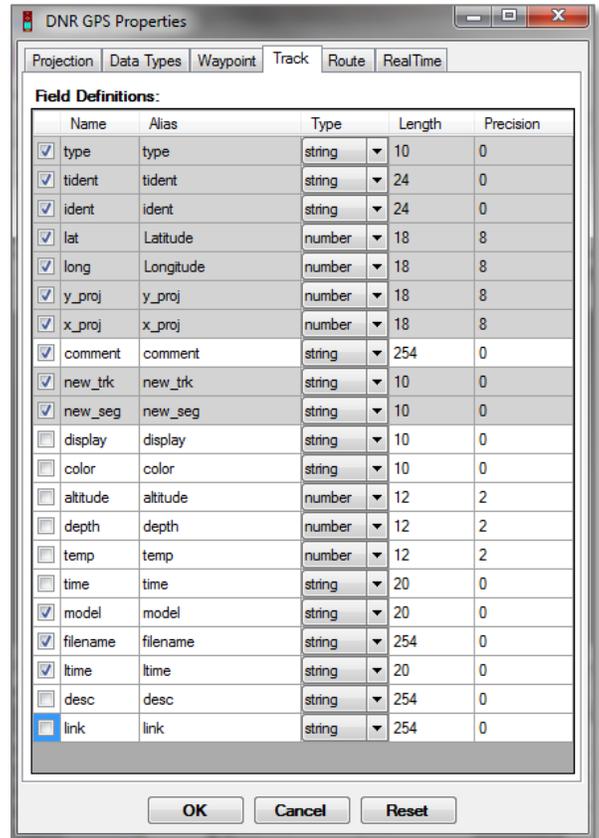
Set Track Properties

1. To set the properties of Tracks, click **Track → Track Properties....**
2. A table with check boxes will appear listing all possible fields to display for the point type. To use a field its box should be checked. To turn a column off its box should be unchecked.
3. Note that some fields are required. These will be greyed out and cannot be deactivated.
4. When finished setting properties, click **OK**



Track Properties List

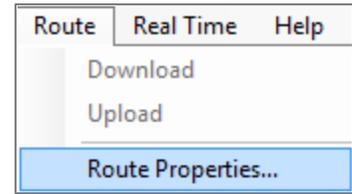
type
tident
ident
lat
long
y_proj
x_proj
comment
new_trk
new_seg
display
color
altitude
depth
temp
time
model
filename
ltime
desc
link





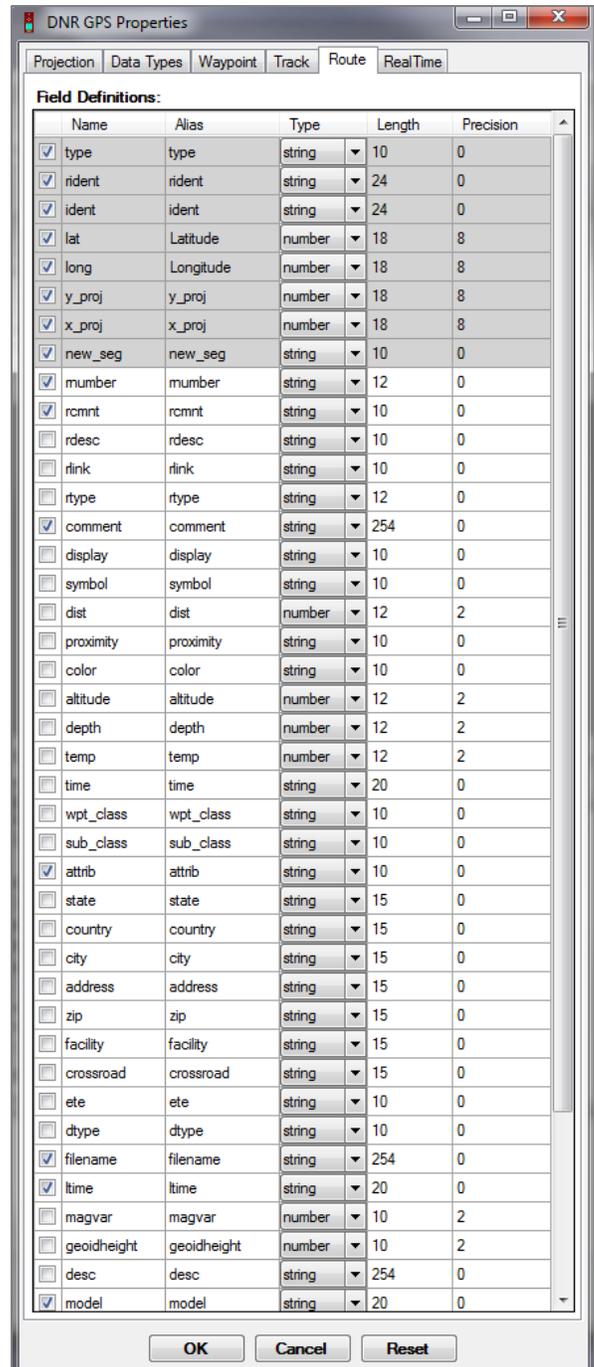
Set Route Properties

1. To set the properties of Tracks, **click *Route* → *Route Properties....***
2. A table with check boxes will appear listing all possible fields to display for the point type. To use a field its box should be checked. To turn a column off its box should be unchecked.
3. Note that some fields are required. These will be greyed out and cannot be deactivated.
4. When finished setting properties, **click *OK***



Route Properties List

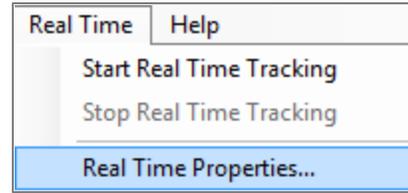
type
rident
ident
lat
long
y_proj
x_proj
new_seg
comment





Set Real Time Properties

1. To set the properties of Tracks, **click *Real Time* → *Real Time Properties*....**
2. A table with check boxes will appear listing all possible fields to display for the point type. To use a field its box should be checked. To turn a column off its box should be unchecked.
3. Note that some fields are required. These will be greyed out and cannot be deactivated.
4. Do not check any boxes at the bottom of the *Real Time Properties* page or set a permanent file path by default.
5. When finished setting properties, **click *OK***



Real Time Properties List

type
ident
lat
long
y_proj
x_proj
comment

