Uploading a Military Airspace Boundary File to Your GPS Device

There are many free software programs that can be used to both read compressed ZIP files, and upload/download GPS tracks and waypoints from/to your computer and GPS unit. For the purpose of this guide, we will be using **WinRAR** and **DNRGPS**. In addition, we will use Internet Explorer 11 as our internet browser.

<p style="text-align:center">WinRAR Walkthrough – Part 1</p>

(1) First, you will need to download a software program that will read compressed ZIP files. WinRAR is a free software program that can be downloaded from the following URL: http://www.rarlab.com/download.htm


(2) On the download webpage, left-click the WinRAR x86 link, as seen in the image to the left. Your computer will begin downloading the software to your Downloads folder. Even though this is a trial version, _you will never have to pay for WinRAR_. The trial is indefinite.

(3) Navigate to the Downloads folder on your computer. **Left-click** wrar521 to highlight the file, then **right-click** the highlighted file to open the following menu seen in the image to the right. **Left-click** Open.
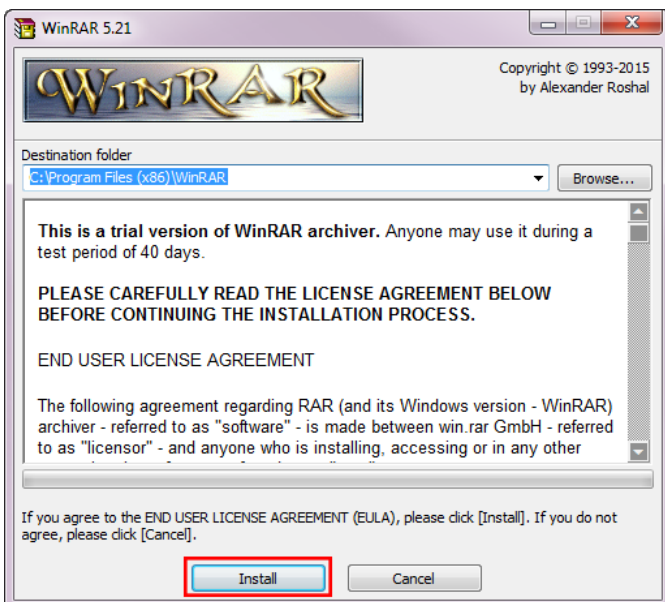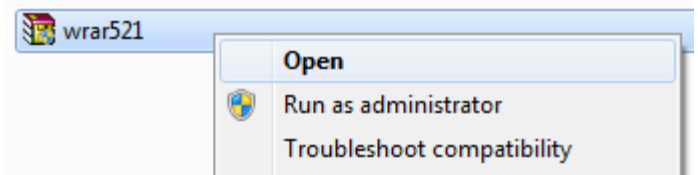
(4) You may receive a warning asking the following: "_Do you want to allow the following program to make changes to your computer?_" **Left-click Yes**. Then choose **Install** as seen in the image to the left.
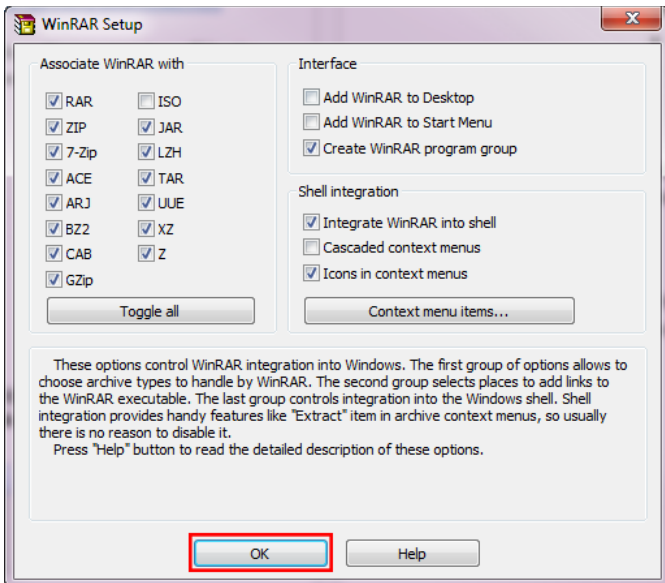
(5) Next, **left-click OK** – See above image.
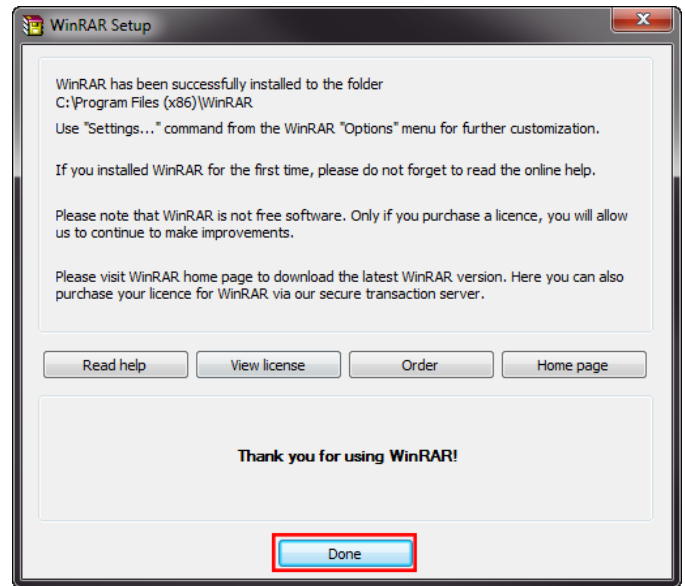
(6) Lastly, **left-click Done** – See above image.

Your installation of WinRAR is complete. Close any additional windows that may open after selecting **Done**.

DNRGPS Walkthrough – Part 2

(1) Next, you will need to download DNRGPS from the Minnesota Department of Natural Resources website, which can be found at the following URL: http://www.dnr.state.mn.us/mis/gis/DNRGPS/DNRGPS.html

If you are not an ArcMap user, any of the three **DNRGPS for ArcMap** downloads will work with your GPS device, however, we recommend downloading **DNRGPS for ArcMap 10.2**.


(2) **Left-click** the highlighted link above, and your computer will download DNRGPS to the Downloads folder in a compressed ZIP file. Navigate to your Downloads folder and you will see the following compressed ZIP file:
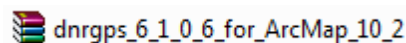
(3) Highlight the DNRGPS ZIP file in the Downloads folder by **left-clicking** the file. Then **right-click** the highlighted file to open the options menu. **Left-click** the option shown below to **'Extract to dnrgps_6_1_0_6_for_ArcMap_10_2'**.
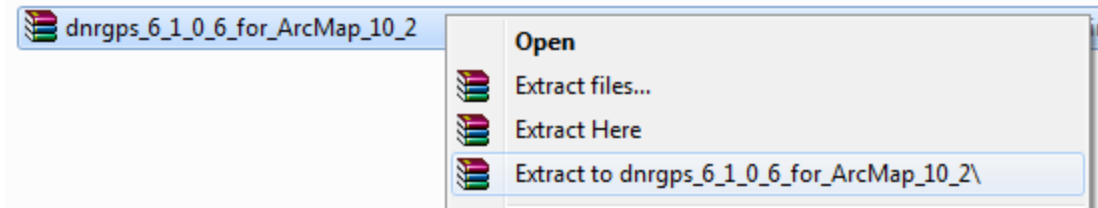
Your installation of DNRGPS is complete.

At this time, connect your GPS device to your computer if you have not already done so.

USARTRAK GPS Walkthrough – Part 3

Next, you will download the Military Airspace Boundary shapefile that corresponds with the parent training area in which you will be recreating (Donnelly, Tanana Flats, and/or Yukon). For the purpose of this guide, we will download the Donnelly Airspace Boundary, however, the steps are exactly the same for any airspace boundary you download from the USARTRAK website.

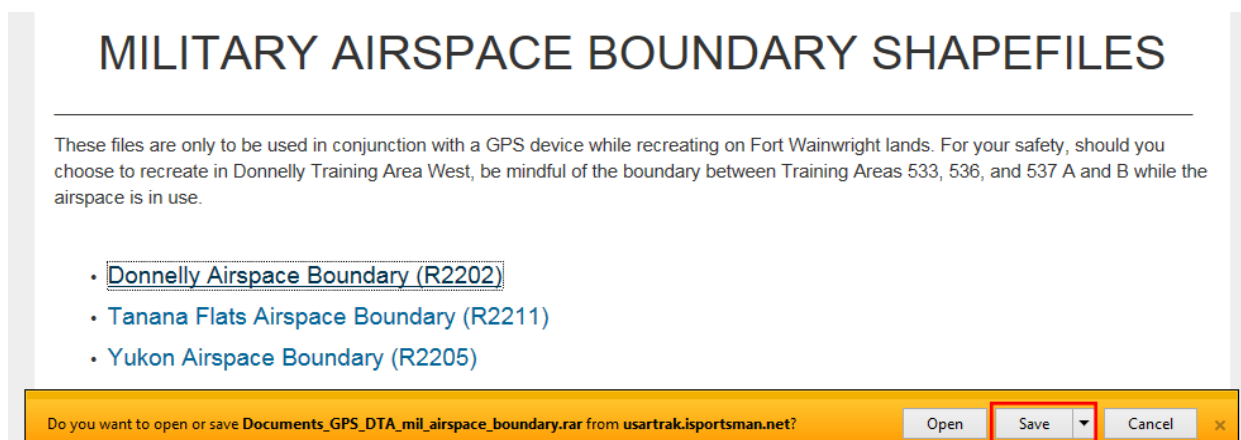(1) The Military Airspace Boundary can be downloaded from the following URL: https://usartrak.isportsman.net/recreationalmaps.aspx - Scroll down to the bottom of the webpage.

(2) **Left-click** the Donnelly Airspace Boundary link to download the shapefile for use on your GPS device.

(3) When you receive the following download prompt, seen in the image above, **left-click Save**.
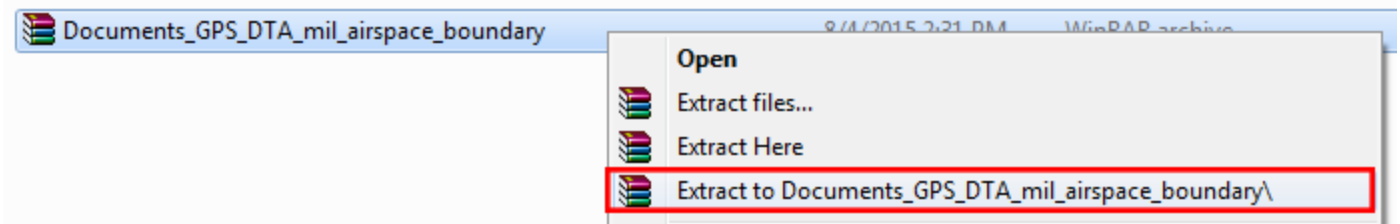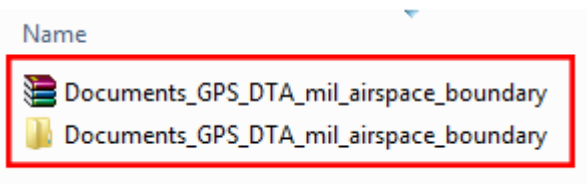
(4) Highlight the Documents_GPS_DTA_mil_airspace_boundary ZIP file in the Downloads folder by **left-clicking** the file. Then **right-click** the highlighted file to open the options menu. **Left-click** the option, shown above, to '**Extract to Documents_GPS_DTA_mil_airspace_boundary**'.


Once the extract process has completed, you will see the resulting folder from which you will upload the Airspace Boundary to your GPS device.

At this stage, you have:

- Downloaded a program (WinRAR) that can read compressed ZIP files.
- Downloaded a program (DNRGPS) that can upload a shapefile to your GPS device.
- Downloaded a shapefile to be used while recreating on Fort Wainwright lands.

Now we will use DNRGPS to upload the downloaded Airspace Boundary shapefile to your GPS device.

(5) Use the **left** mouse button to **double-click** the extracted DNRGPS folder, seen below, in the Downloads folder:
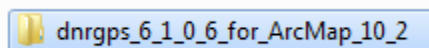
(6) Then use the **left** mouse button to **double-click** the next folder, seen below:
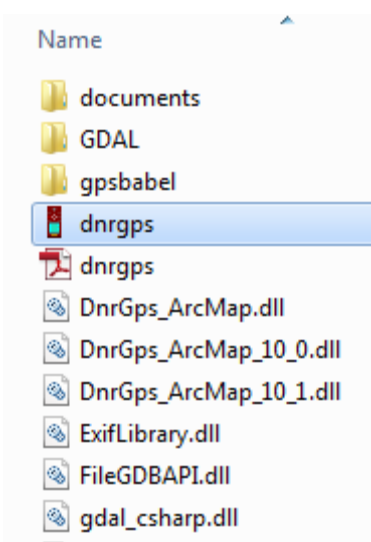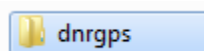
(7) Use the **left** mouse button to **double-click** the highlighted file seen in the image to the left:

(8) A warning will appear once you double-click the dnrgps application file. **Left-click Run**. Seen in the image to the right.
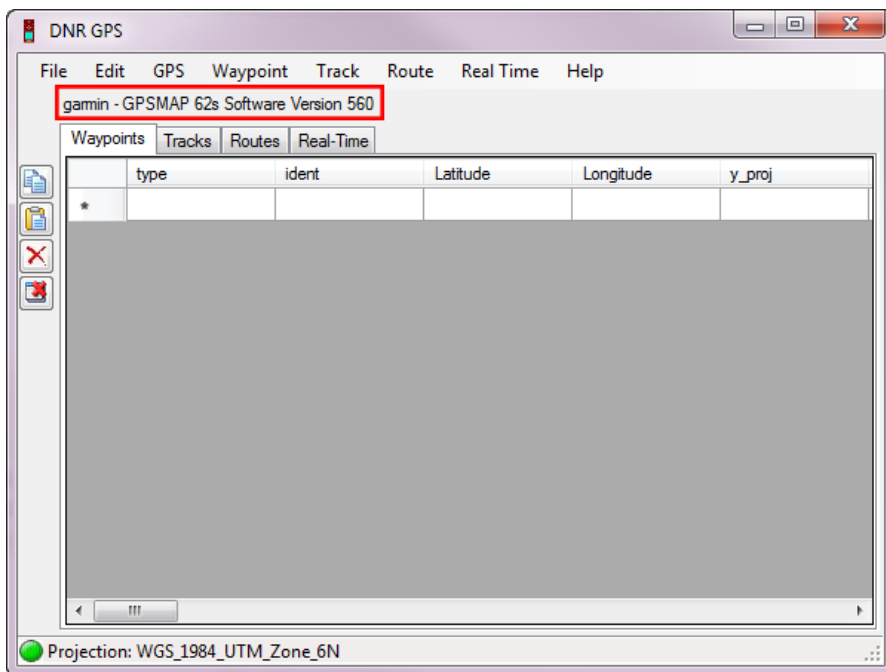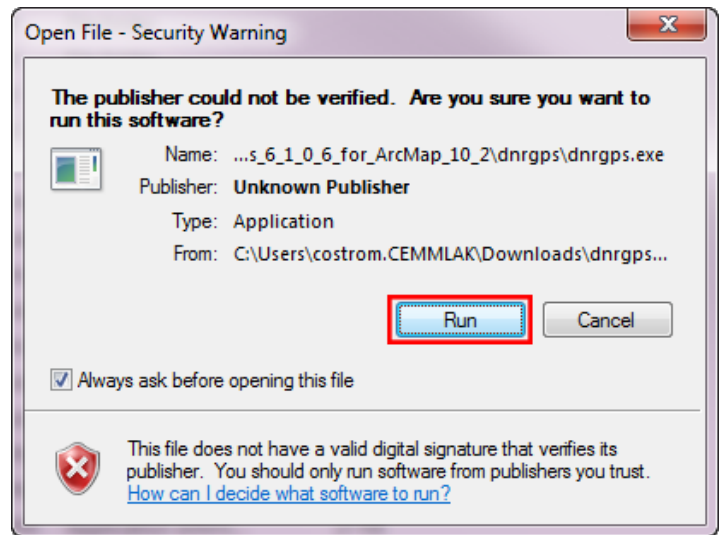
In the highlighted area, seen in the image to the left, you will see the brand and software version of your GPS device. This text informs you that your GPS unit is successfully connected to your computer and the DNRGPS software recognizes your device.

(9) **Left-click File** in the upper left portion of the window. **Highlight Load From** with your mouse pointer. **Left-click File**.
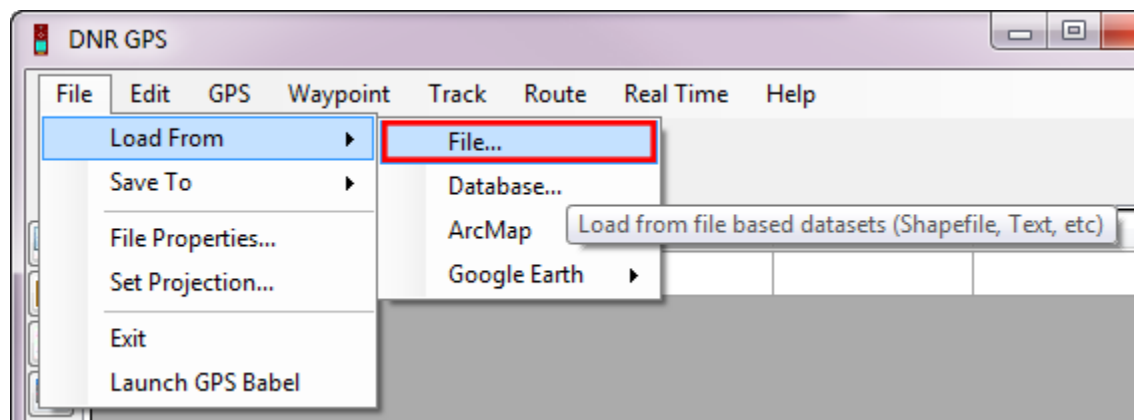
(10) Use the **left** mouse button to **double-click** the 'Documents_GPS_DTA_mil_airspace_boundary' folder as seen in the image to the right.

📁 Documents_GPS_DTA_mil_airspace_boundary

📄 DTA_mil_airspace_boundary.shp

(11) **Double-click** the DTA_mil_airspace_boundary.shp file seen in the image to the left.

Select TIDENT Field

Select the field containing the TIDENT (Track Name) value

Name
TA

OK   Cancel

(12) In the following window, **Name** is already highlighted. **Left-click OK**.
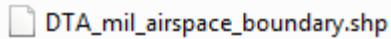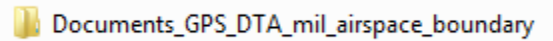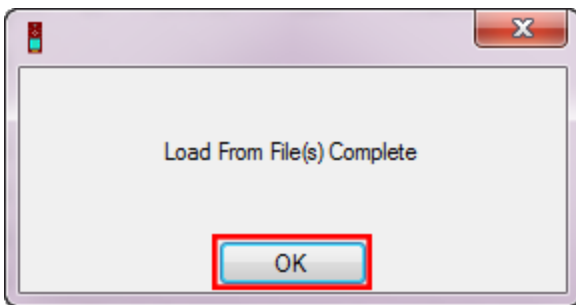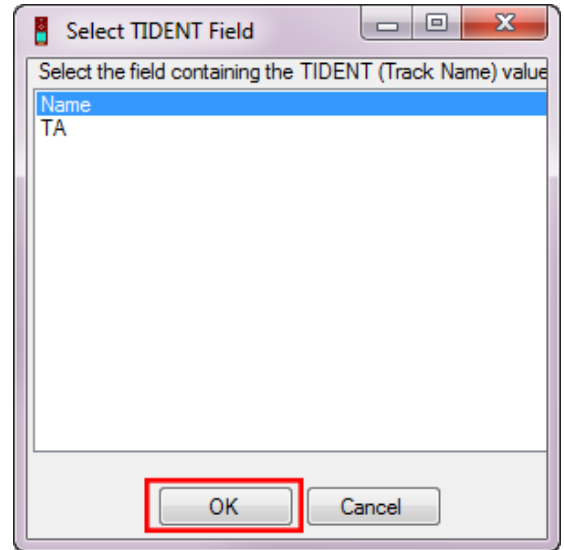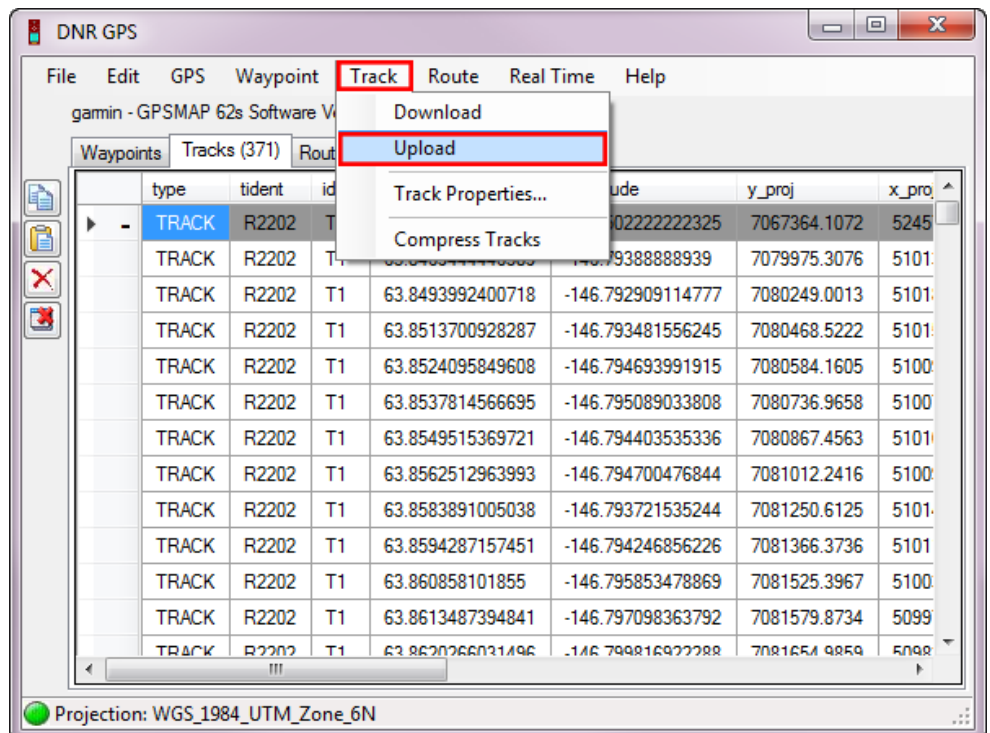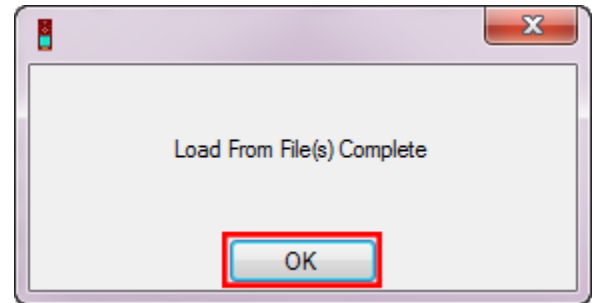
Load From File(s) Complete

OK

(13) **Left-click OK**.

(14) Now you will upload the Airspace Boundary Tracks to your GPS device. **Left-click Track**. Then, **left-click Upload**.

DNR GPS

File   Edit   GPS   Waypoint   Track   Route   Real Time   Help

garmin - GPSMAP 62s Software V

Download

Waypoints   Tracks (371)   Rout   Upload

		type	tident	id	Track Properties...	ude	y_proj	x_pro
▶	-	TRACK	R2202	T	Compress Tracks	02222222325	7067364.1072	5245
		TRACK	R2202	T1		9388888939	7079975.3076	5101
		TRACK	R2202	T1	63.8493992400718	-146.792909114777	7080249.0013	5101
		TRACK	R2202	T1	63.8513700928287	-146.793481556245	7080468.5222	5101
		TRACK	R2202	T1	63.8524095849608	-146.794693991915	7080584.1605	5100
		TRACK	R2202	T1	63.8537814566695	-146.795089033808	7080736.9658	5100
		TRACK	R2202	T1	63.8549515369721	-146.794403535336	7080867.4563	5101
		TRACK	R2202	T1	63.8562512963993	-146.794700476844	7081012.2416	5100
		TRACK	R2202	T1	63.8583891005038	-146.793721535244	7081250.6125	5101
		TRACK	R2202	T1	63.8594287157451	-146.794246856226	7081366.3736	5101
		TRACK	R2202	T1	63.860858101855	-146.795853478869	7081525.3967	5100
		TRACK	R2202	T1	63.8613487394841	-146.797098363792	7081579.8734	5099
		TRACK	R2202	T1	63.8620266031496	-146.799816922288	7081654.9859	5098

● Projection: WGS_1984_UTM_Zone_6N

Save to GPSMAP 62s Software Version 560

Enter file name for uploaded data:

Tracks

OK   Cancel

(15) **Left-click OK**.

(16) **Left-click OK**.

Load From File(s) Complete

OK

You have successfully uploaded the Airspace Boundary.

On your GPS device, navigate to your Tracks log. There you will find the R2202 Military Airspace Boundary for Donnelly Training Area. Select the R2202 track and add it to your map. Have fun and be safe while recreating on Fort Wainwright lands.