Printing Elevation Profiles using ExpertGPS

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The following tutorial shows how to create and print elevation profiles unit using GPX files and ExpertGPS.

ExpertGPS is available at: http://www.expertgps.com/.

This example uses a GPX file for the Eastern Half of Arizona's Superstition Wilderness available at: http://web.utah.edu/thorne/superstitions.html

1. Open File Open up the GPX file of the Eastern Superstition Wilderness (Superstition_Wilderness_East_v1.0.gpx) with Expert GPS.

2. Select track To generate an elevation profile in ExpertGPS you first need to select the track in the list panel to the left (as shown in Figure 1). For this example we will make a track for the Reavis Falls Trail (Label **RF**). So, select the RF trail in the list panel.

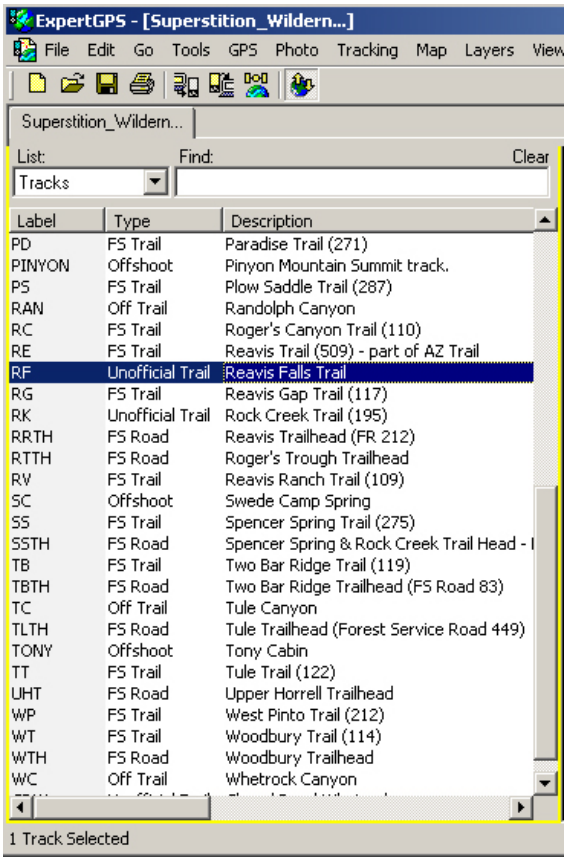

Figure 1 – Selecting a track in the list window

3. Determine direction of profile Next we need to determine which direction we want to show the profile from. Once the track has been selected **Right Click** + **View Start Point on Map**. This will zoom in on the map near the first track point in the list. If you were to now make an elevation profile this point would show up as the farthest point on the left of the screen.

You can also do **Right Click** + **View End Point on Map**. This will show where the trail ends.

If this is the direction you want the profile to be drawn then move to the next section. Otherwise do **Right Click** + **Reverse Track**.

4. Generate Elevation Profile Now all you need to do to make the elevation profile is **Right Click** + **Show Elevation Profile**. Your elevation profile will now open up in a new tab. It should look as shown in Figure 2.

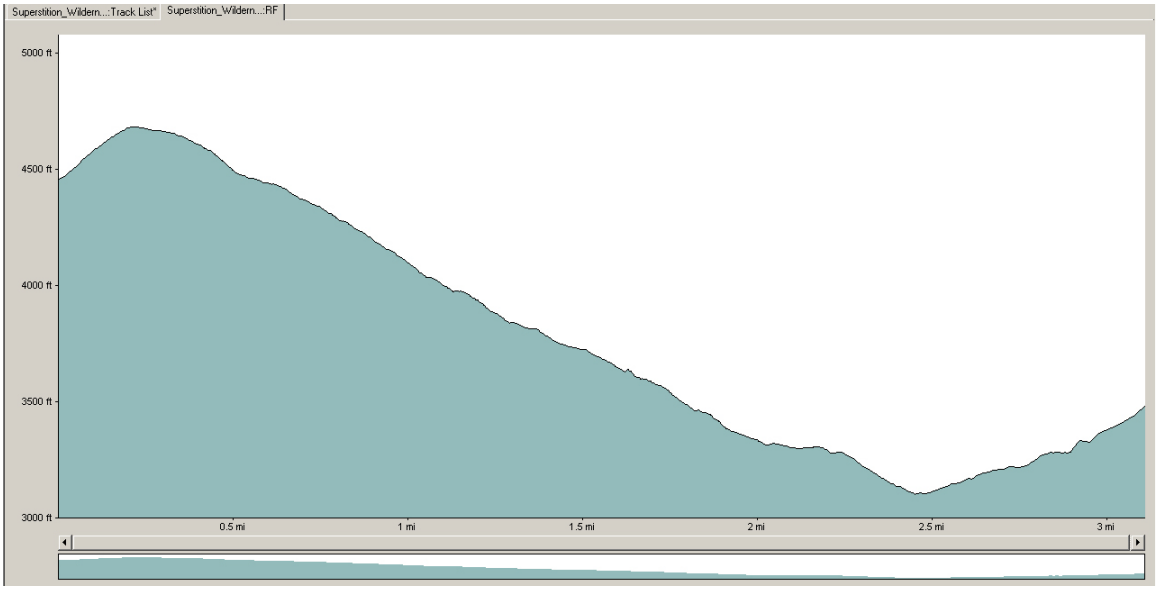

Figure 2 – Elevation profile created for Reavis Falls Trail.

5. Print Profile To print the elevation profile now press **File** > **Print …**

6. Show location on map In the above example we see a minimum in the profile at a distance of roughly 2.5 miles. To see where this point is located on the map, click on the elevation profile. A yellow triangle will show up on both the elevation profile and also on the map. In this manner you can see where any point on the elevation profile is located on the map.