Importing Data from CyberTracker into ArcView

If you are using CyberTracker software AND exporting to ArcView® (Note: This works for Washington State. A table will be created as the projections for each state's datasets are made available)

The export data will be in

meters
NAD83
Washington South

and for Washington *NatureMapping* the output projection needs to be

feet
NAD27
Washington South

To import a .txt (via Excel®) file from CyberTracker into ArcView®:

You MUST make SURE your Excel® file does NOT have any records without real lat/long coordinates.

1. Open ArcView® project
2. Add a table

Select the .txt file you want

3. If you have themes in View 1 then add a new View
4. Activate View 2 (click on the bar to make it dark blue)
5. Under View menu, Add Event Theme
6. If the .txt file you want to add isn't showing in the box, make the change
7. Accept the latitude and longitude default
8. Turn on the theme in View 2.
9. You must now change the projection of your GPS data to match the projection of the shapefiles you are working with. You need to know the projection of your shapefiles before you begin.
10. Select View Properties
11. If the Projection is unknown (listed in the screen), then go to (a) otherwise go to (d).

a. Change Map Units to:

Meters

b. Projection

Projections of the World:

Category: State Plane NAD83 (1983)

Type: Washington South

c. Hit OK

d. Under File – select Extensions and make sure Projector!mod Extension is turned on. If you don't see the extension:

e. Copy from the website and place it in the C:/ESRI//AV-gis30/ ArcView/Ext32 using Windows Explorer

f. Select the Project!mod Extension (up arrow – far right on the upper menu)

g. Output

Feet (Washington) Meters (Idaho)

h. What projection you want the output shapefile to be:

Washington: NAD27
State Plane South
Hit OK
(Idaho, for example, uses state coverages in UTM- Select Custom in the upper screen, Transverse Mercator, Clarke 1866 and change
Scale factor to .99960
Latitude of origin 42
Central meridian to –114
False eastings to 500000
False northings to 100000)
Answer Yes to "Recalculate area, perimeters and length fields using feet?"

i. Answer Yes to "Add projected shapefile as theme to a View?

j. Hit OK to adding the new projected file to View 1

k. Answer No to "Retain same names and legend files for the new View?

l. Change the name in case the process didn't work

m. Remember to select the appropriate folder to save the new shapefile.

12. If the coordinates are off, you can make adjustments by

a. Use the distance tool (icon by the magnifying glass) and calculate the distance in feet, first by going east (Eastings) and then from there, North (Northings).

b. Go back to (k) and as in the Idaho example, select Custom after you have selected NAD27, and State Plane South.

c. Add the number of feet to the Eastings and Northings figures.

d. Reproject in a different view and add the new projected theme into View 1.