

Overview: Export shapefile information from a georeferenced survey for use in GIS.

- Export basic shapefile information having the extensions of .shp, .shx, and .dbf.
- Use Iowa NRCS' engineering survey Projection file for proper import into ArcMap.

Equipment: Trimble TSC3 & Access v2015.22, Computer w/ Windows Mobile Device Center

TSC3 Trimble Access Download

On TSC3 controller


1. Power on TSC3 and press the **Trimble** button to launch Trimble Access.
2. *General Survey...Jobs... Open Job....* And select the job that you want to export.
3. *Jobs...* [Enter] *Import/Export...Export fixed format files*
4. Pulldown *File Format* as **ESRI Shapefiles**
5. Click on filename ... and verify that it is being placed into the Trimble Data/NRCS/Export folder. (This is not required but makes the files easier to find.) Click [OK] to exit the **Select folder** screen.
6. Pulldown *Coordinates* as **Grid**
7. Click [Accept].
8. At the Transfer complete message Click [OK] Click [ESC]
9. Click [Exit] and [Yes] to exit out of **General Survey**.

On computer

10. Connect USB cable to computer, and TSC3 controller.
11. On computer, Windows Mobile Device Center appears [Click] Connect without setting up device.
12. In Windows Mobile Device Center screen Click *File Management... Browse...*
13. In Mobile Device screen browse to *My Windows Mobile\Trimble Data\NRCS\Export*
14. Use Control + Click to select the 3 files (.shp, .shx, and .dbf) for the project plus the file name *NRCS_IA_UTMif.prj* (this file can also be found on USDA Connect).
15. Right-click, *copy* on the files that you wish to transfer.
16. Open Windows explorer and browse to your survey download location. (e.g. P:\Eng Projects\Common\2016\Survey download)
17. *Edit... Paste...* to place the 4 files into the download folder.
18. **Must do:** Rename the *NRCS_IA_UTMif.prj* file on the computer to match the .shp name.
19. On the Mobile Device screen browse to the *My Windows Mobile\Trimble Data\NRCS* folder and find the .job file from your survey.
20. Right-click, *copy* on the .job file that you wish to download.
21. Switch to your survey download location.
22. *Edit... Paste...* to place the .job file into the download folder.
23. You can now disconnect the Survey Controller and power it off.

What's Next?

The file created by this process can be imported into:

- ArcMap – use *File...  Add Data...* Then browse to the .shp file and Click [Add].
- AutoCAD Map – use MAPCONNECT. Select SHP connection and browse to the .shp file. Click [Connect]. Click [Add to Map].