

## Loading RTK Surveys into AGIS

**\*NOTE\*** I myself save all of my Raw RTK Data in a Folder on the C Drive called SURVEYS, you may need to create a new folder within the C:/ drive and name it "SURVEYS".

### Converting The Survey Layer

- With Your Recon connected to the your computer, Open up Pocket Converter. The Files will appear that is within your LOGPROJECTS folder on your Recon. Click on the Survey.DDS\_LOG for the project that you will be working with.
- Under Export Type there is a down arrow, Click on that arrow and select **XYZ Test**.
- Then click on Browse and select the Surveys folder on your C Drive.
- Next open Microsoft Excel, Click on **File, Open** Go to where the Survey.XYZ file is saved (Note to find this file you will have to change the File Type to ALL Files) then click **Open**, Click **Next** one time and put a check mark in Comma Delimited, Click **Finish**. Convert the C Column from Meters into US Feet by typing this into the D1 cell =c1\*3.28084. Copy equation throughout all rows. Save this file as "Survey US Feet", change the type in the File Type box to CSV. Click Save, A Dialog Box will appear say Yes. When you close out of the Excel Say No to Save Changes.

### Starting A New Job

- Click on **File**, then **New Job**, Enter Given Information then Click **Next**, Enter Job Location Information then click **Next**, Enter Billing Information then click **Next**, For the next screen nothing needs to be changed, click **Next**. The next screen is the Min. and Max. Tile Depth and Slope, Enter what is needed, Suggestion -Min Tile Depth-2ft. Max Tile Depth-6ft., Min. Slope-.05, Max Slope 100. Then Click **Next**. Next is to enter the Job Contractor Information then click **Next**. In the next screen click on **Change Projections**, What is highlighted is correct, so click **Next**, you will now need to click on the Zone in which you are in (Indiana 16) then click **Next**. For the next screen click **Finish**, and then click **Finish** again.

### Getting Dlog files into Viewpoint

1. Double click on the icon on the desktop for AGIS.
- 2.

#### **Creating a Grower and a Farm**

1. Go to "data" which is in the menu bar. Create a grower if You do not have the grower listed that you are working with. A pop up screen comes up and you are able to type in the growers name. Click OK.
2. Go to "data" and Create Farm. A screen comes up and you are able to type in the name of the farm. Click next.
3. Then a window comes up to select a season and then click next.
4. Farm setup DOP comes up and click next.
5. Farm Setup Projection. Click **Change Projection**. Select Universal Transverse Mercator for the projection. Click next
6. For the zone click zone 16 which is for Indiana and Eastern Illinois (17 – Western Michigan). Click next. On the next Screen select WGS Datum (1984) and then click Finish and then Finish again on the last screen.

## Bring a Project into AGIS

1. Go to tools from the menu bar.
2. Then click on Import Drawing
3. Click on Dlog
4. There are two ways to import your data
  - a. Straight from your Recon by selecting "Select files from Mobile Device"
    1. Click Next and then put a check mark within the files you want to bring in.
  - b. Selecting files from folder.
    1. Click the Add button
    2. Now you want to go find where your project is stored (C:/ Surveys)
    3. Click on the Down arrow in the LOOK IN Box and select Surveys and hit Open
    4. Select a project that you want to bring into AGIS.
    5. Now highlight the Layers that you want to bring in by holding the Ctrl key and left clicking all of the Layers that you want to bring in.

Now click the Open button

You should see all layers in Batch import window and then click Finish / OK.

This will allow the Batch import window to start and then close out, manually by clicking the X at the top right.

After you see batch import on layer list check all the boxes at the right under layers and click apply. Now your map should be on the screen.

## Creating A Topo Layer

- Now click on **Tools** in the Menu Tool Bar then click on **Surface Generator**. In Surface Generator Click on **File**, then **Point File**, and then **Text File**. Again go to where your project is saved, and then open up the folder named Export. In that folder there will be a file named Survey US Feet.csv, if not at the bottom where it say Text Vertex Files (\*.csv;\*.txt) there is a drop-down arrow, and under that click on **All Files (\*.\*)** Then the Survey US Feet.csv file should appear, highlight the file then click **Open**. Next a screen will appear click **Next**, and then Click **Finish**. Next a Text Vertex Parameter screen will appear, leave everything the same except put a **Check in Field 4 as instructed** in the Z Coordinate Box at the bottom, and click **OK**. The next screen will be a Drawing File Parameter Screen, put a **Check in the Build Drawing File Box** then click **OK**.
- While you are still in Surface Generator click **Surface** in the Menu Tool Bar. Then Click **Boundary Objects**. Now you must bring your Cursor onto the white part of the screen beside the field, (the cursor should appear as crosshairs), **Left Click** the mouse button and the border of the field should turn red, now **Right Click** the mouse button and the cursor should appear as a pointer again. Now click on **Surface** in the Menu Tool Bar and then click on **Nearest Neighbor**, click **OK**. On the next screen **Output File Parameters**, change the numbers in the **X and Y pixel size from 10 to 1**, then use the drop down arrow box beside **Data Type** and click on **Float**, then click **OK**.

In the next screen, which is **Surface Channel**, in the **Layer Box**, Change the name given to **Topo**, and then click **Ok**.

- Now you can close out of **Surface Generator**, by checking the x at the top right corner of the screen, which brings you back to the main Tile Pro Screen. In the **Layer Box** on the Left side put a Check in the **Topo box** and click **Apply**.