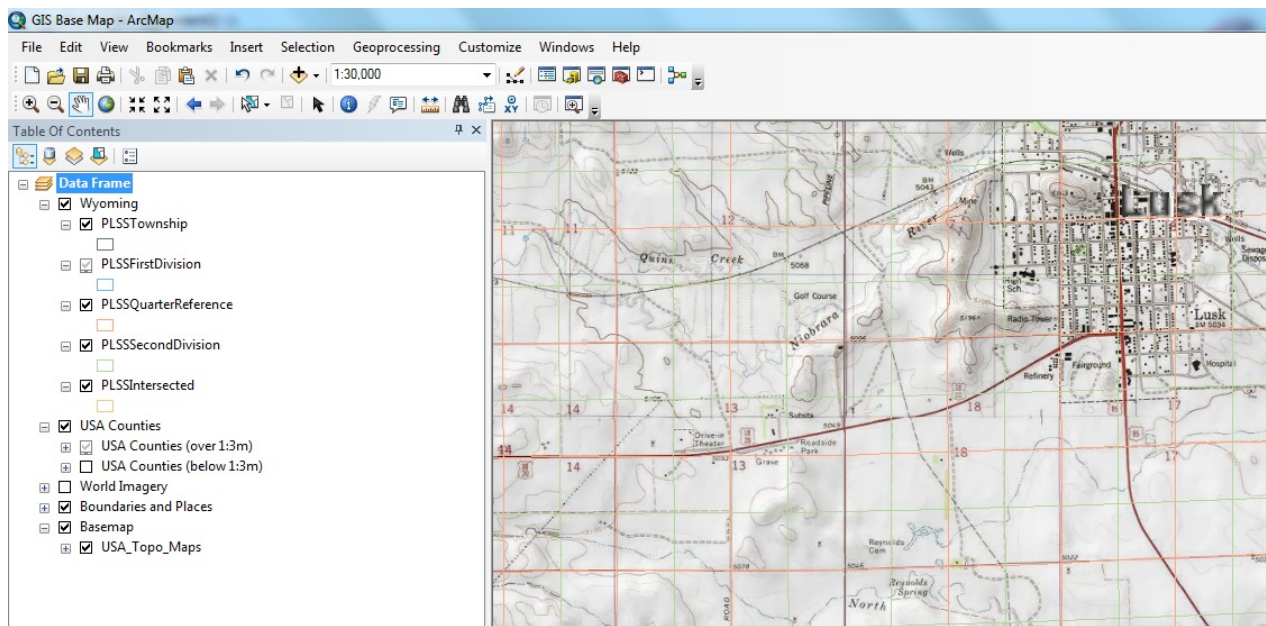


with each other. I use data found on Cadastral Survey plats as "offsets" from one corner to the other, so they can have a common starting point. Start with 1 corner and make an offset to the other corner.

Now having the NDP inputs in place, the appropriate UTM coordinates for that SE Corner of Section 13, T32N R64W. By default, NDP files are "Geo-Dumb", but it can accept coordinates, so when saved as a DXF file, it becomes "Geo-Smart".

To find the needed UTM Coordinates, I opened ArcMap 10.1 to a new file and set that "Data Frame" file to a UTM Zone 13 North Projection, since Lusk is in Zone 13N.

Then "adding" various data sets for the PLSS and US Topo Maps, I "panned" see the area.



So, when I zoomed in on the SE Corner of the Section, I can read the coordinates for Easting to be 542,894.695, and the Northing to be 4,732,110.351 Meters.

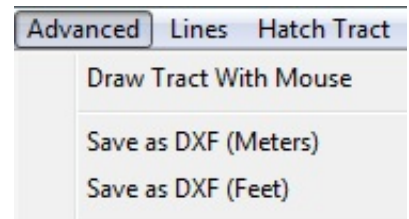
(I don't know why, but my screen capture tool decided to NOT show the tip of the arrow on the crossed PLSS lines.)



So, now armed with this data, we can edit the NDP file to add the UTM coordinates.

e542894.695m n4732110.351m
 /n0.12e 3129.2
 /s90w 1322.3
 Etc.
 @0 1964 Deed
 e542894.695m n4732110.351m
 /n18.44w 4099
 Etc.

Just substitute the UTM coordinate for Section Corner reference, and Re-save this file in the Resident NDP format.

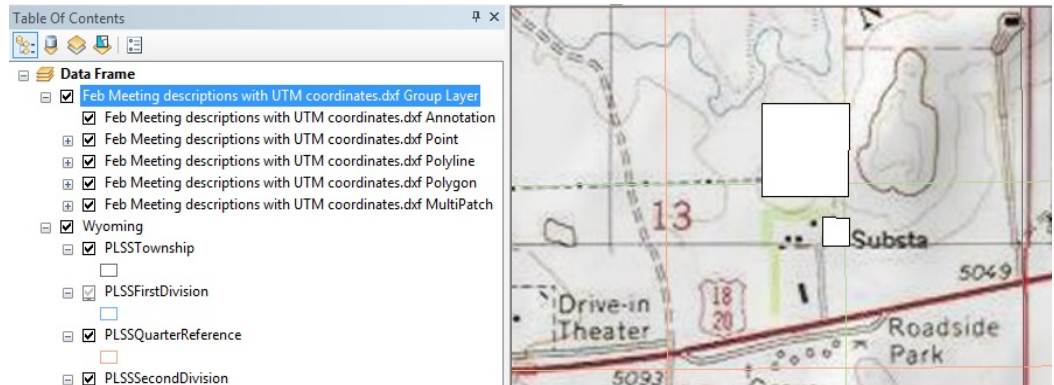


Since ArcMap does NOT recognize NDP formatting, it MUST be saved, in the DXF - **Meters** Option. (Not Feet, that's what is used to prepare the file to be used in All Topo Maps.)

So, redraw the map, Click Advanced, Click DXF Meters, Save. This new DXF file will be saved in the same folder as the NDP file, with the same name but DXF extension, IF you have set the file path to go there. Now go back to ArcMap, by "Adding" some data and browsing to the correct folder and selecting the CorrectFile.DXF, it will be "added" as shown.

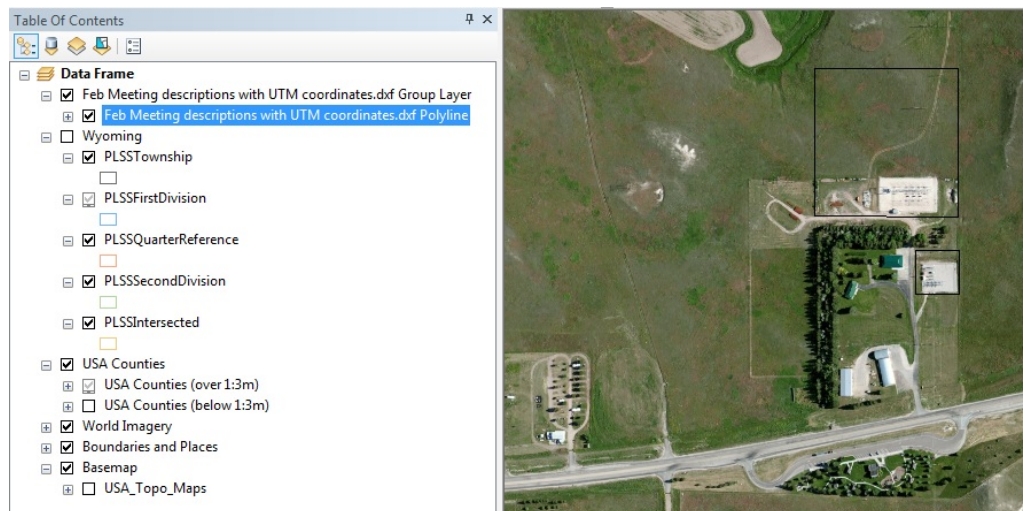
This DXF file "throws out" all five formats, but we really only want the Polyline.

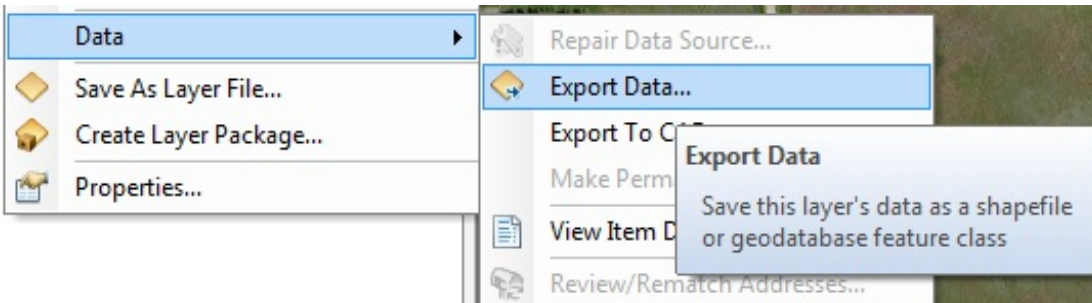
So, by removing ALL but the Polyline option, using World Imagery and turning off the PLSS, we get this image.



And we're ready to create a shape file.

With the ".....Polyline" entry highlighted, RIGHT click, then select Data.



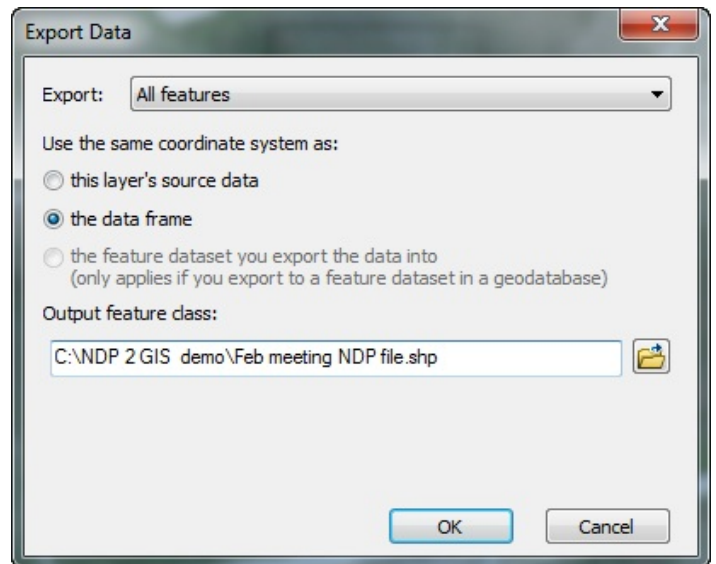


Select Export Data and this window opens.

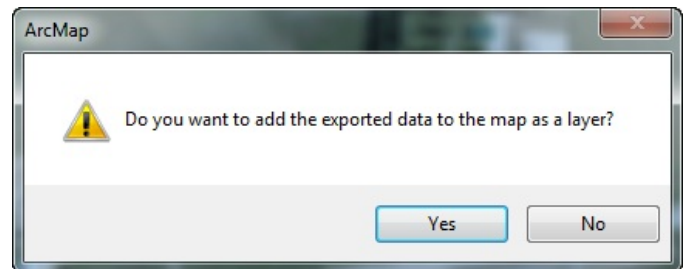
You MUST select "the data frame" option.

Use the BROWSE tool, it go to your desired folder, then, give it a name. I'm careful to be sure that the ".shp" shapefile extension remains.

Press OK.



If you want this shapefile to be available or active on the current open map, then YES.



So, it now appears as a shapefile, that I edited the line width and color.

I also Removed the "DXF" and "polyline" entries and we're left with "cleaner" Data Frame data sets.

The NDP via a DXF with coordinates is an easy way to get Metes and Bounds as a Shapefile into the ArcMap environment.

