

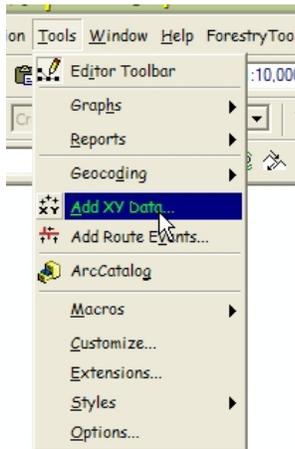
# How to Add Survey Data (Point Files) to ArcMap

By: Lee Woolsey USDA/NRCS

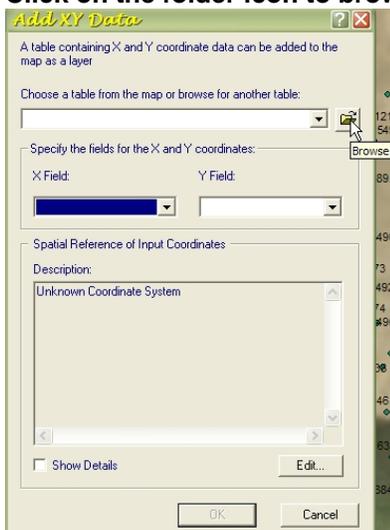
- First you need to have your survey data saved in the proper format, a csv file works great.
- Next you open up your csv file and add a line that describes your points. The easting column should be labeled X, the northing column should be labeled Y and elevation should be labeled Z. See below:

	A	B	C	D	E	F
1	Num	y	x	z	descp	
2		13516010	840832.6	3294.11	base	
3	4000	13515937	840842.3	3295.177	t pond	
4	4001	13515876	840968.7	3294.762	t pond	
5	4002	13515695	840932.8	3293.712	t pond	
6	4003	13515746	840744.9	3294.712	t pond	

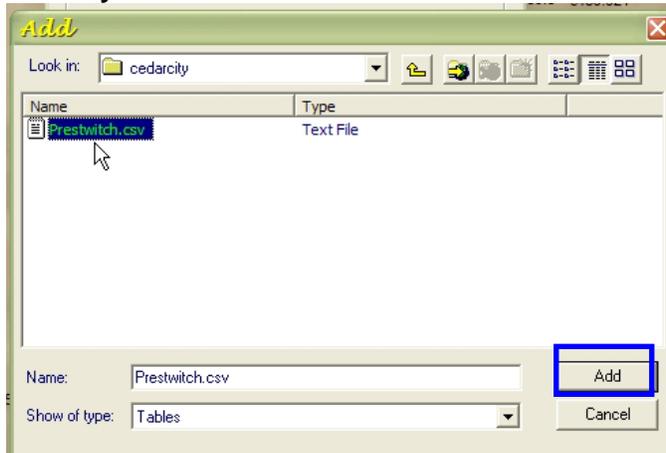
- Save your changes and close the file...(Remember where you put it)
- Next you go to ArcMap and add a base image (NAIP, Topo etc).
- Click on tools and Add XY Data



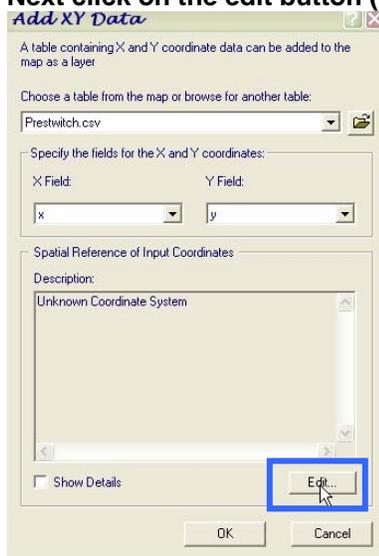
- Click on the folder icon to browse to the location of your points.



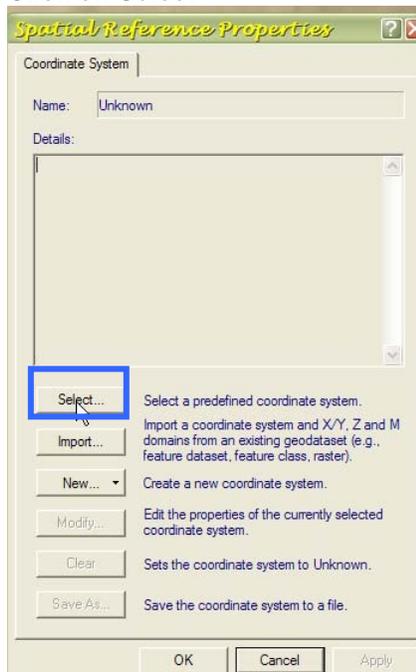
- Locate your file and then click add.



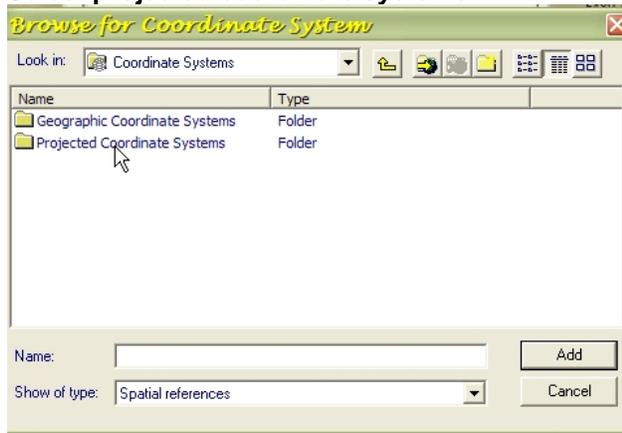
- Next click on the edit button (You need to set the projection and units of your points)



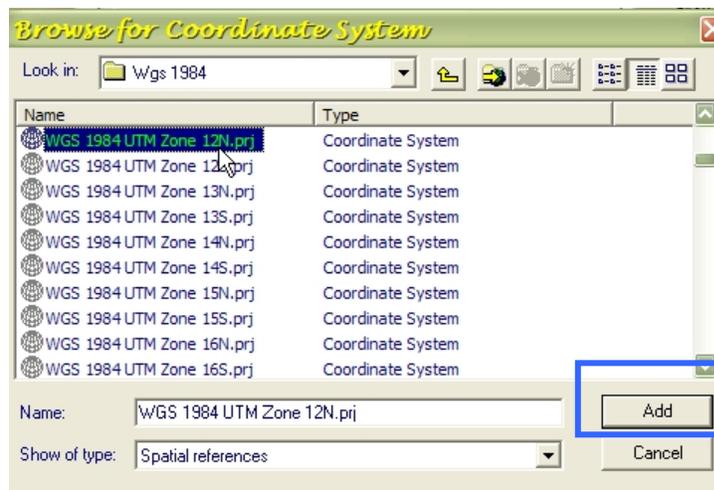
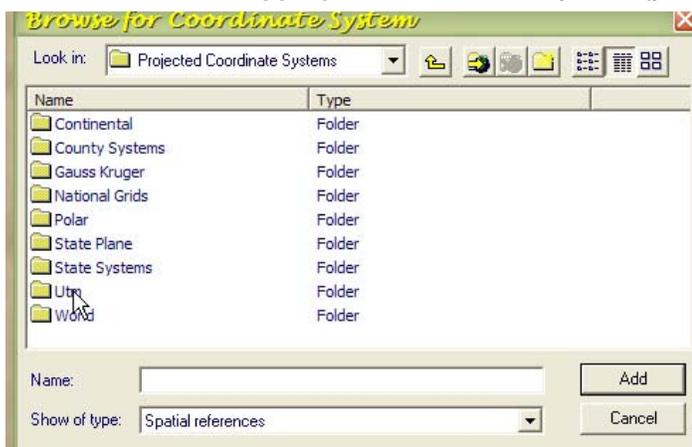
- Click on Select



- **Select projected coordinate systems**

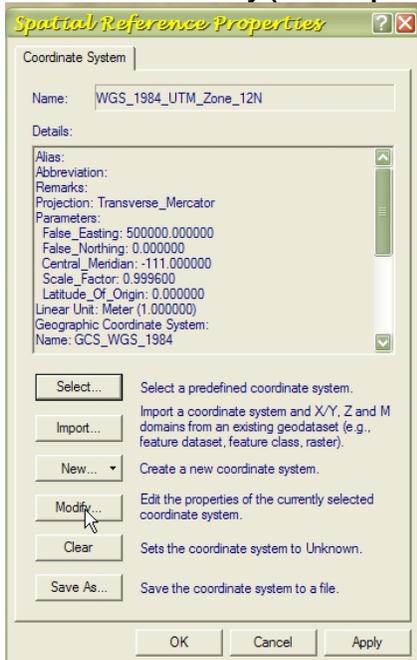


- **Browse to the appropriate coordinate system (you need to know what coordinate system was used)**

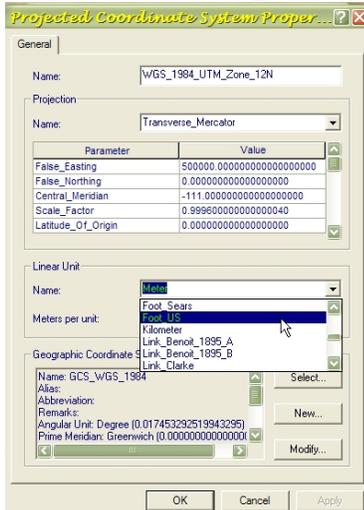


**Select it and click Add.**

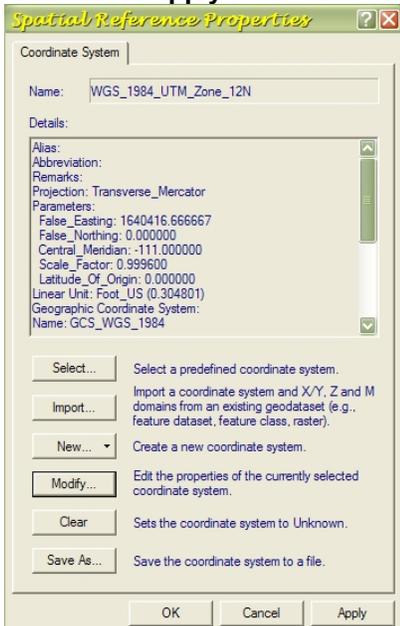
- Next click on **Modify** (this step is only if you surveyed in feet instead of meters)



- Scroll down to **Foot\_US** and then click **Apply** and **OK**.



- Then click **Apply** and **OK**



- And hopefully your points will appear....

The screenshot shows the ArcMap interface with a map of a landscape. The 'Layers' panel on the left shows 'pts for test.csv Events' and 'NAIP2006'. The 'Attributes of pts for test.csv Events' table is displayed below the map.

	Num	y	x	z	descp	Shape*
▶	1	13516010.29	840832.628	3294.11	base	Point
	4000	13515936.96	840842.308	3295.177	t pond	Point
	4001	13515876.46	840968.665	3294.762	t pond	Point
	4002	13515694.51	840932.756	3293.712	t pond	Point
	4003	13515745.84	840744.906	3294.712	t pond	Point
	4004	13515782.84	840765.232	3290.587	high water	Point
	4005	13515858.37	840814.84	3288.431	inlet	Point
	4006	13515903.94	840811.437	3291.673	overflow	Point
	4007	13515876.29	840735.639	3291.268	gr	Point
	4008	13515715.52	840736.285	3287.082	gr	Point
	4009	13515546.55	840905.252	3286.826	old overfl	Point
	4010	13515682.19	841098.738	3278.734	gp	Point

- You can label your points with any of the attributes...but if you want to send them as a shapefile you will have to export them. Right click on the point file and follow the directions.

The screenshot shows the 'Export Data' dialog box in ArcMap. The 'Export' dropdown is set to 'All features'. The 'Use the same coordinate system as:' section has 'this layer's source data' selected. The 'Output shapefile or feature class:' field contains the path 'C:\geodata\elevation\5m dems\Millard 5m DEM\export\_Output.shp'. A blue box highlights the 'Export Data...' option in the context menu and the 'Export Data...' field in the dialog.

The screenshot shows the 'Saving Data' dialog box. The 'Look in:' field is set to 'geodata'. The 'Name:' field contains 'name it what you want.shp'. The 'Save as type:' dropdown is set to 'Shapefile'. The 'Save' button is highlighted with a blue box.

- Name it and save it where you want