Technical Support
Topic: **Importing GPS data from FieldWorker Pro to ArcView GIS**

Iowa Geospatial Technologies Support

TOPIC ID: **0002**

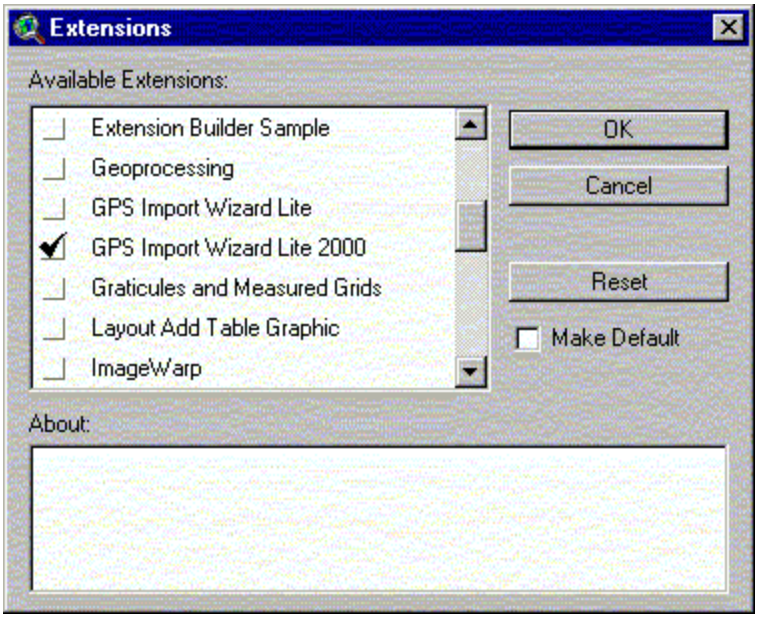
PDA Software: **FieldWorker Pro** 1.2.6,
PC Software: **ArcView** 3.x, **GPS Import Wizard Lite**
PDA Platforms: **Newton** MP130, MP2000, MP2100

Description

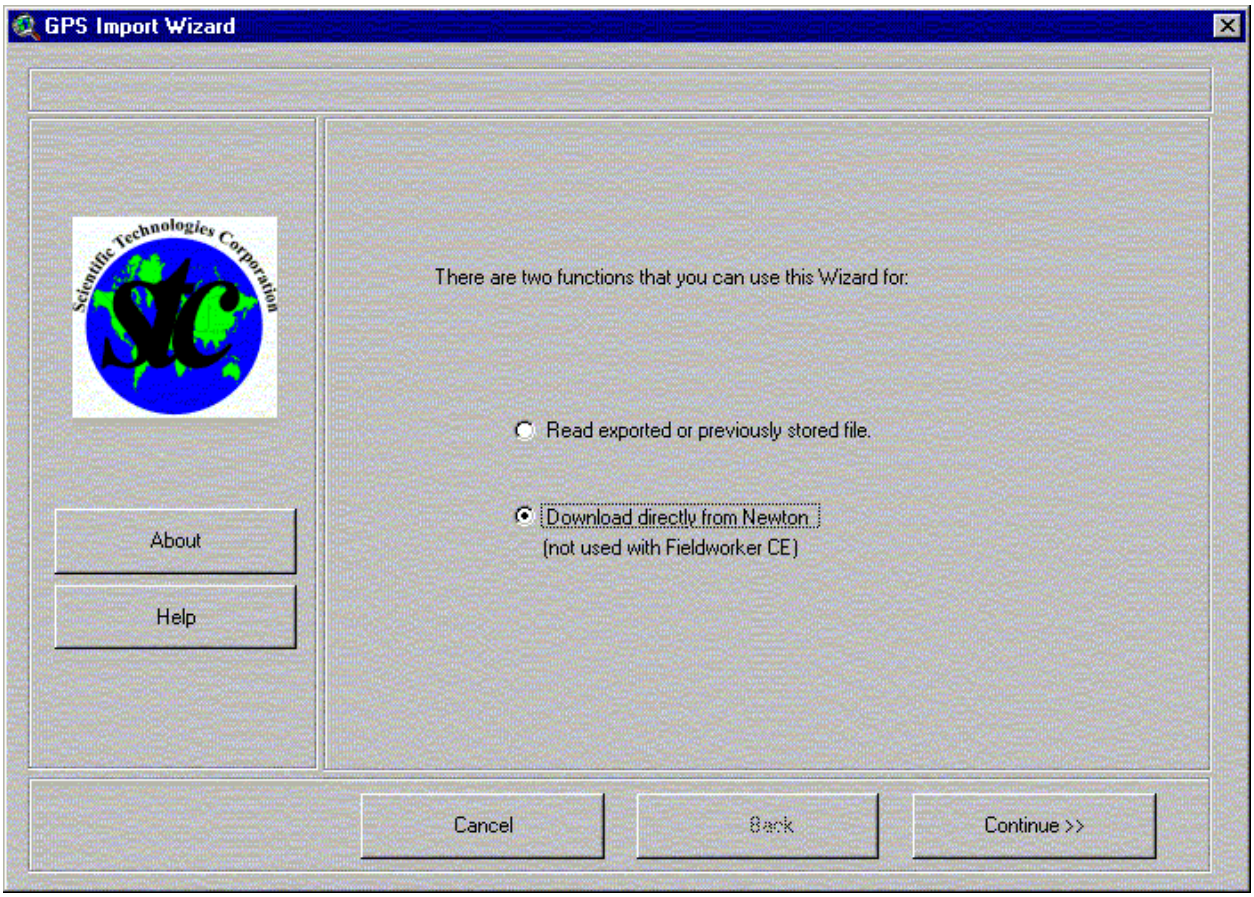
Instructions on importing GPS point, line and polygon (area) features from FieldWorker Pro (Newton platform) to ArcView GIS.

Instructions

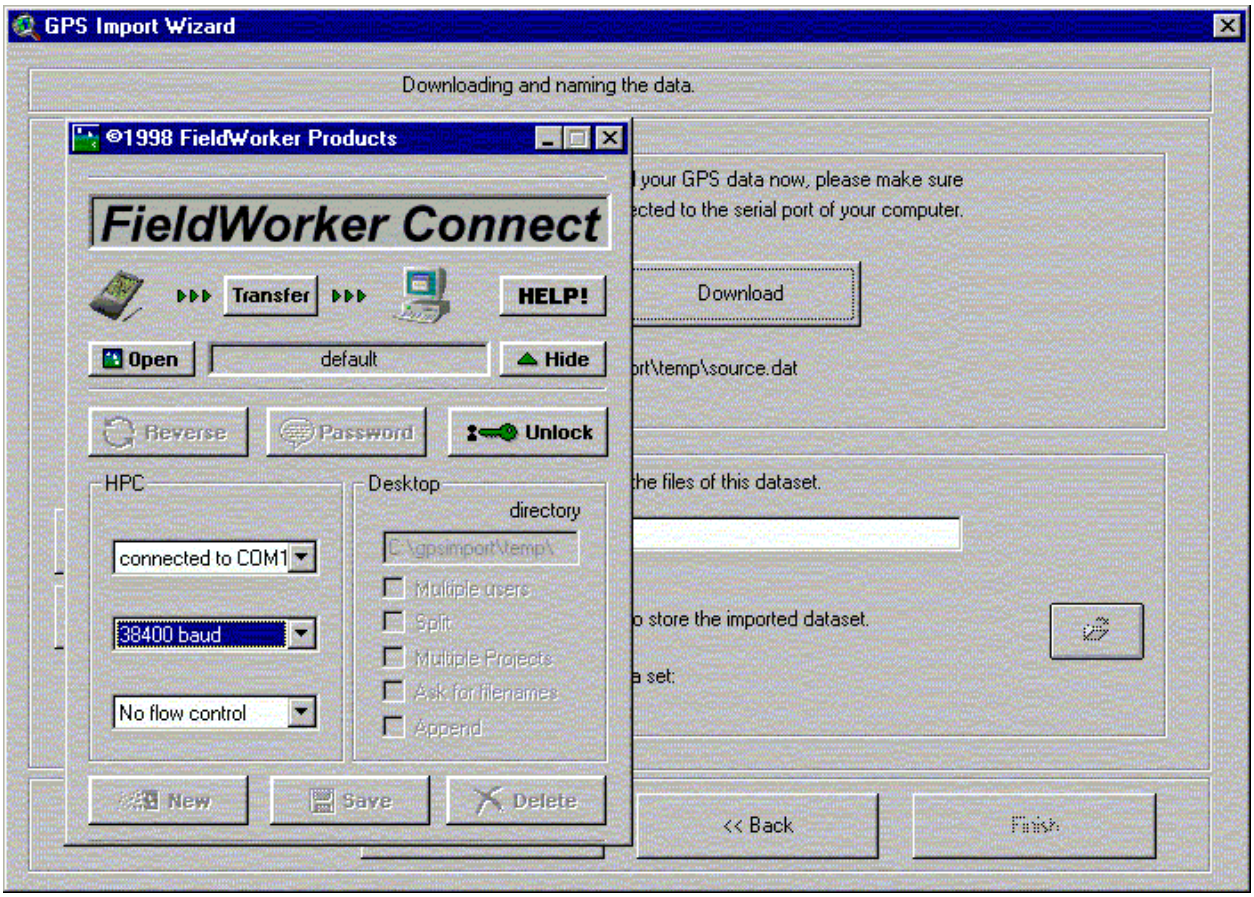
1). Start ArcView GIS on your PC, activate the GPS Import Wizard Lite extension.



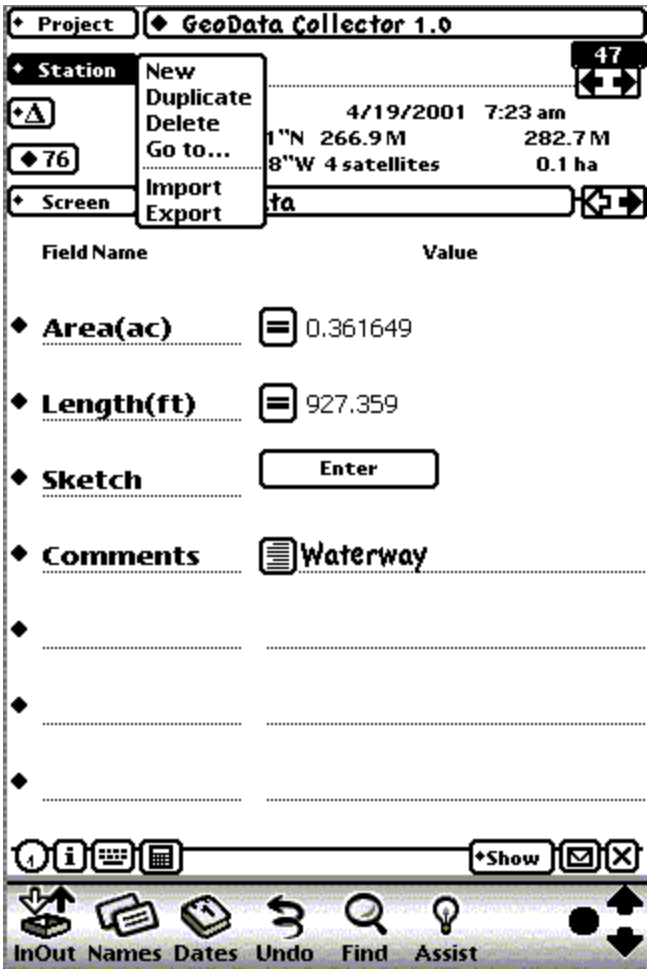
2). Select the GPS Import Wizard icon from the ArcView toolbar and choose "Download directly from Newton" and "Continue".



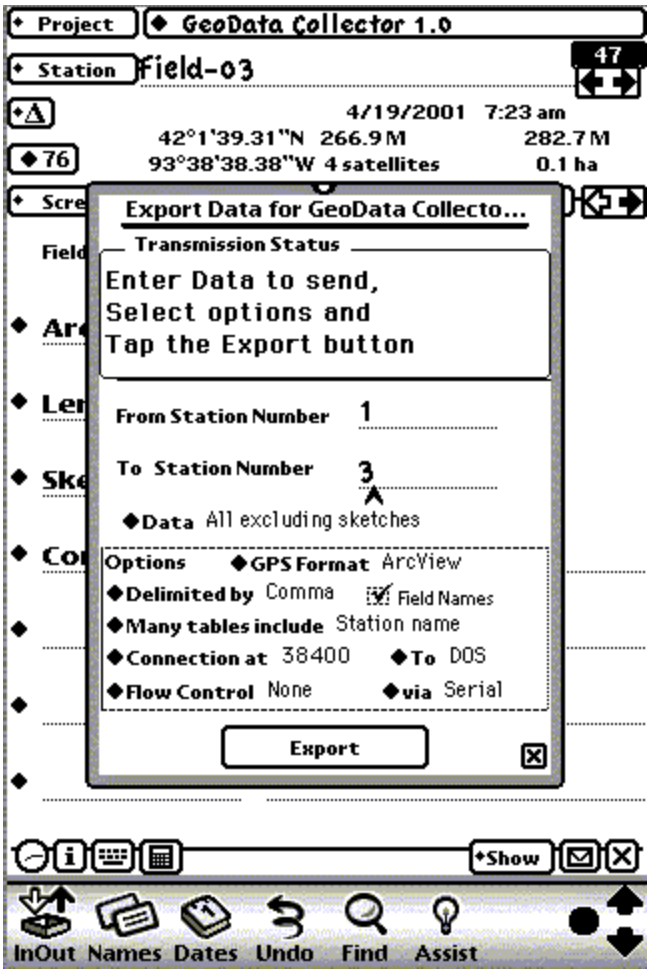
3). Select "Download" to launch FieldWorker Connect, select the "Show" icon; note the default baud rate of 38400.



4). In FieldWorker on your PDA select "Station" and "Export".

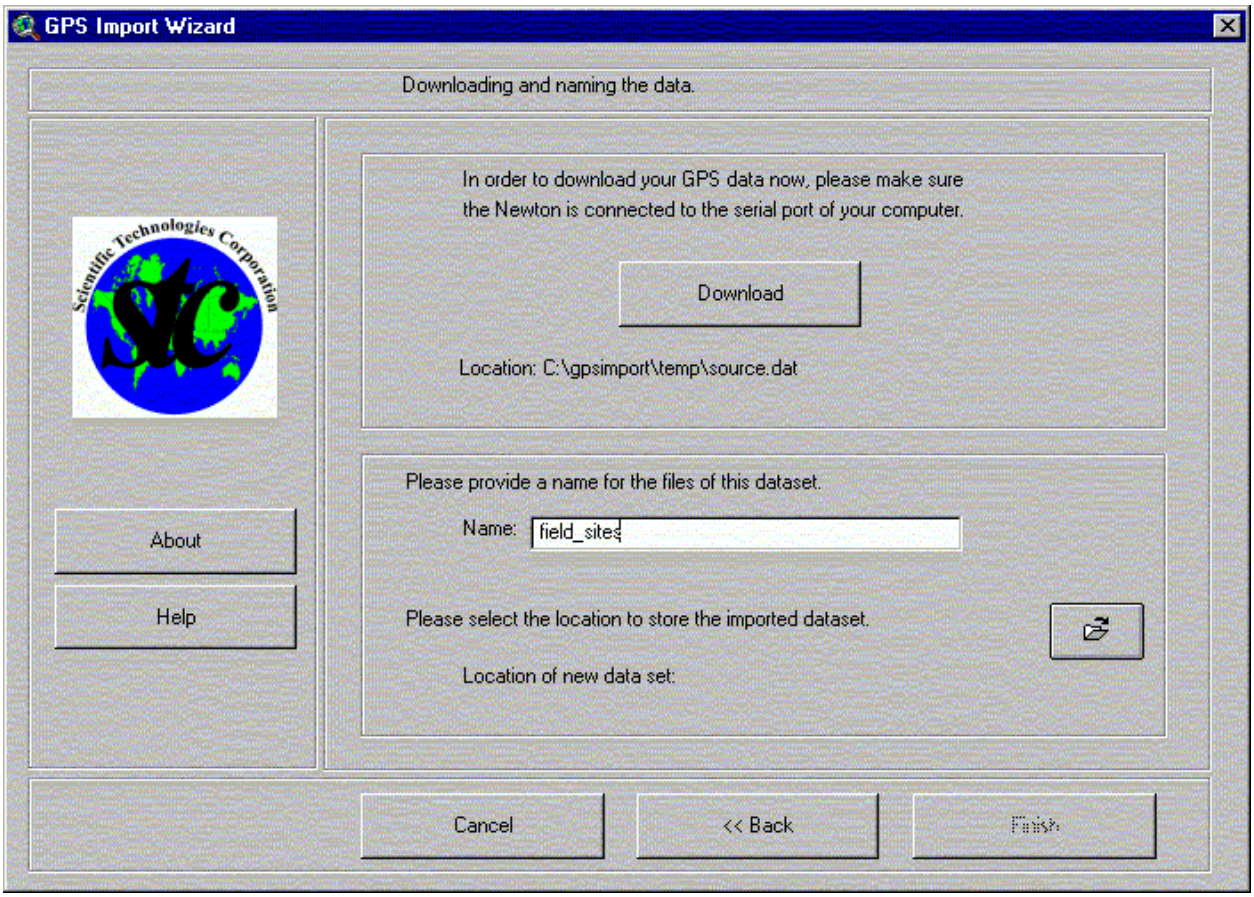


5). Enter Station numbers to export, set Data to "All excluding sketches"; set GPS Format to "ArcView", Delimted by "Comma", Connection at "38400"; Select "Export".

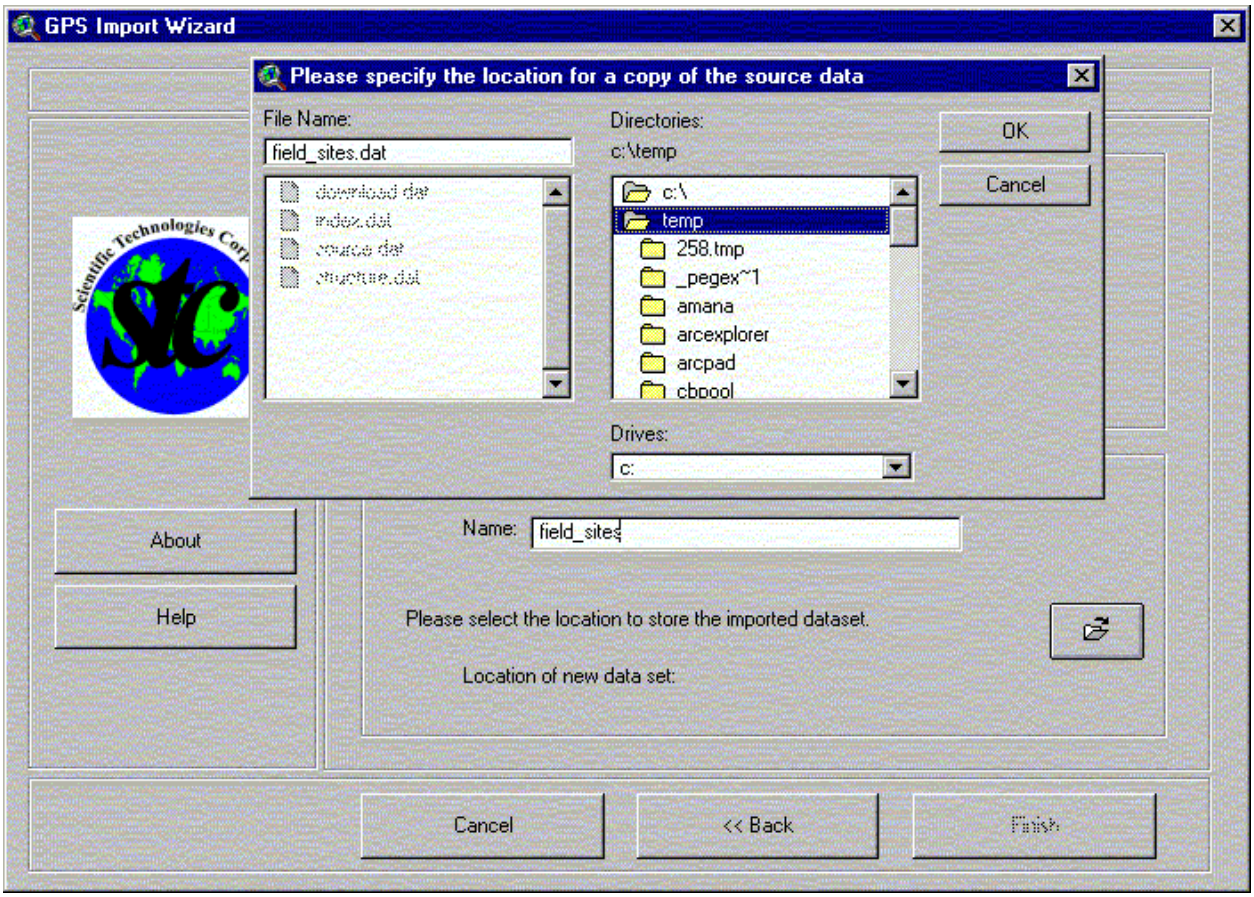


6). In FieldWorker Connect (on PC) select "Transfer" to initiate transfer between Newton & PC, wait for "Success" box then close FieldWorker Connect .

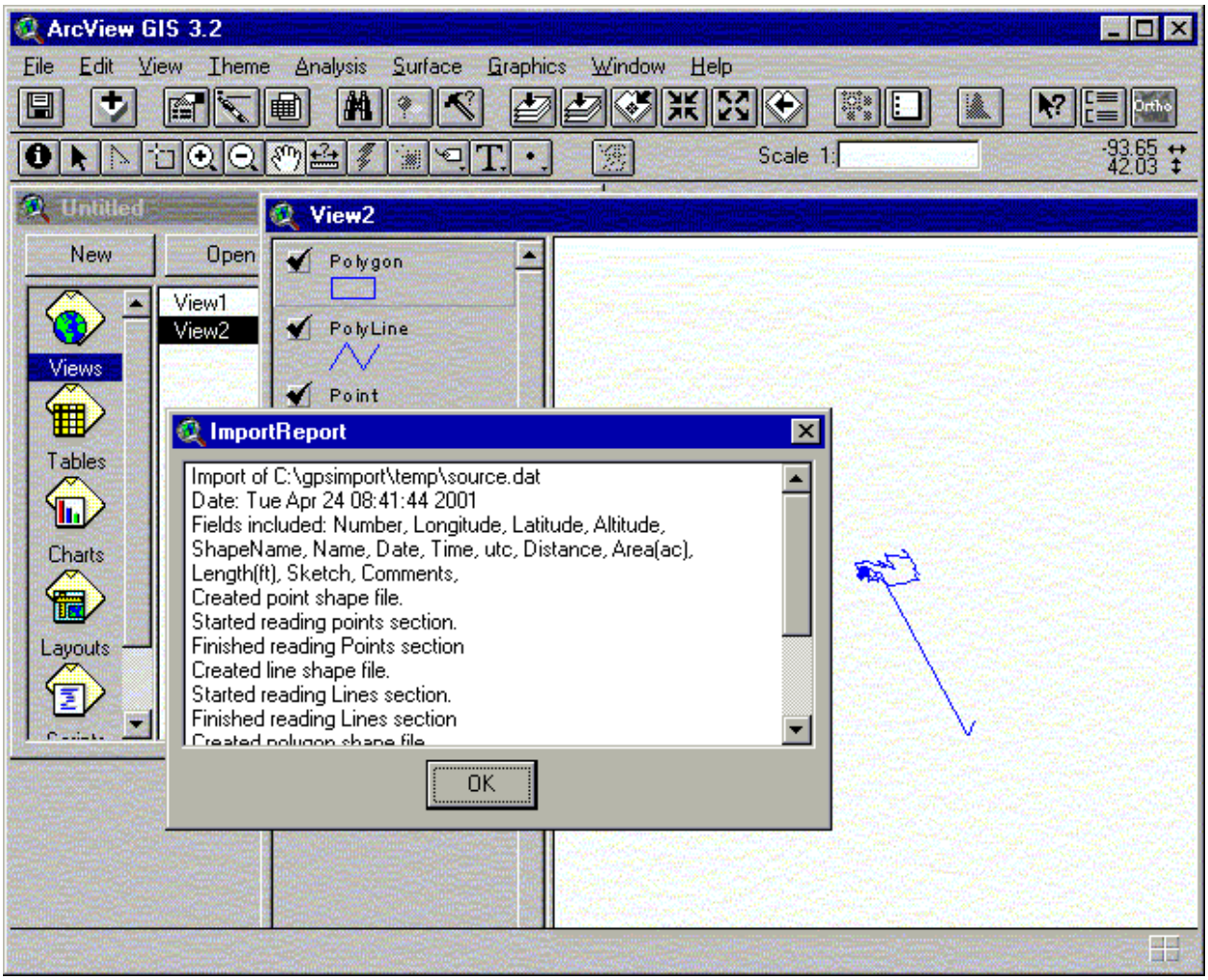
7). Enter a name for the downloaded data in the GPS Import Wizard "Name" Field.



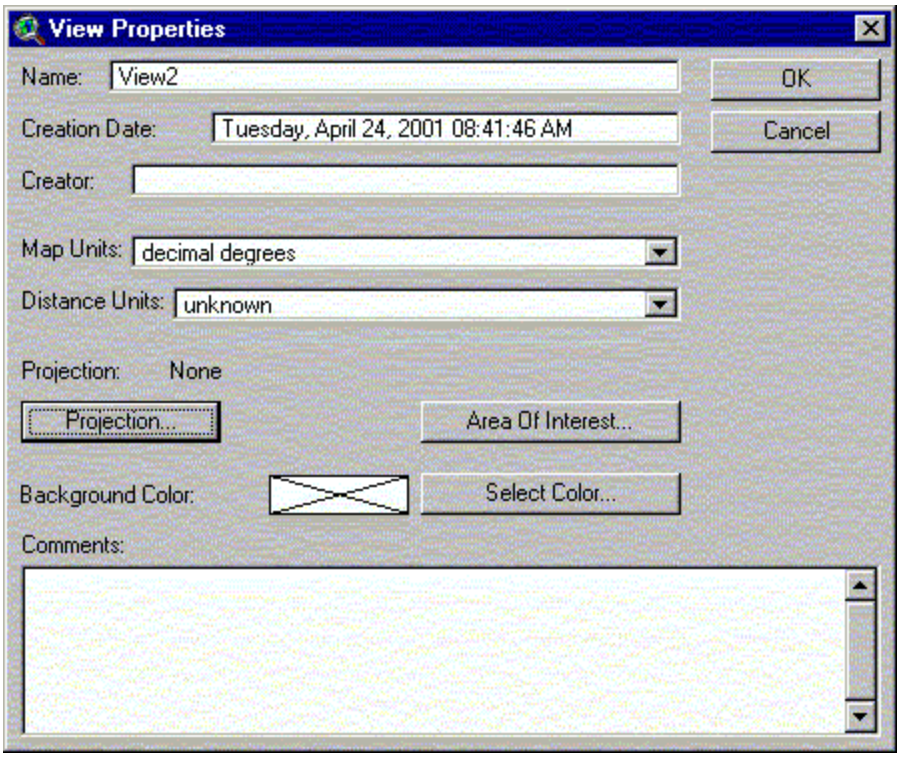
8). Select a folder location for the new data; select "OK" and then "Finish".



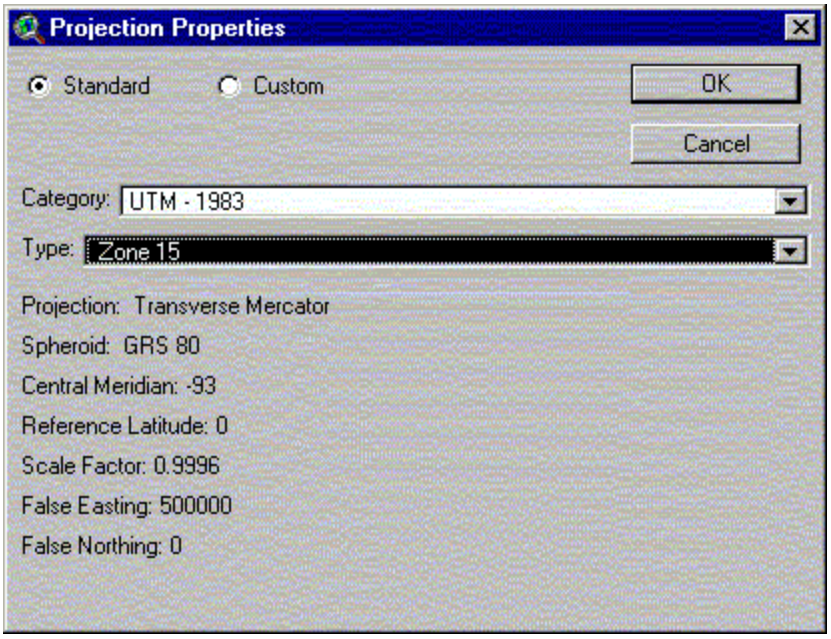
9). An Import Report will indicate that the new ArcView shapefiles have been created; select "OK"; the new shapefiles will appear in a View document.



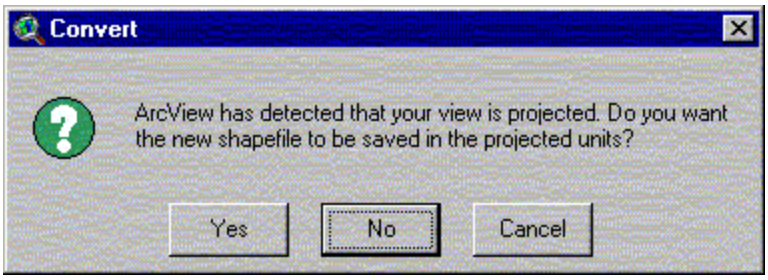
10). The newly created shapefiles will be in decimal degree format; the shapefiles need to be converted to UTM Zone 15 NAD83 Datum to match your existing geodata. Select View > Properties and set Map Units to "decimal degrees".



Select the "Projection" icon; select Category "UTM-1983", Type "Zone 15", then "OK" twice (*Note the Map Units box will now read "Meters", do not change this*) .



11). Make the theme(s) active in your View document; select THEME> Convert to Shapefile; enter a folder and new shapefile name and OK; a Convert dialog will ask if you want the new shapefile saved in the projected units, choose "Yes".



12). The newly converted and projected shapefiles can now be added to a new View document. It cannot be added to the view where you initially imported the decimal degree data.

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