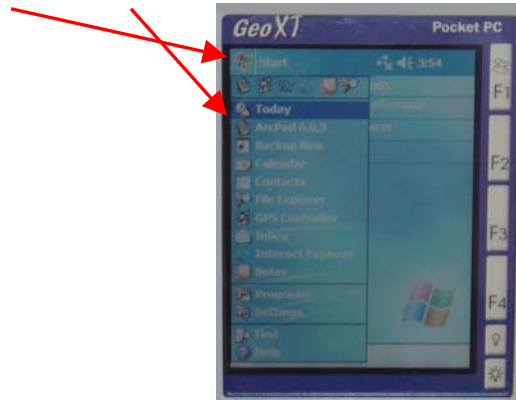


How to Use the GPS in ArcPad

1. Run through the ArcPad tutorial at the Spatial Data Analysis Lab web site.
<http://www.uhh.hawaii.edu/~sdalhelp/tutorials.php>

2. Tab “Start” → “ArcPad.”

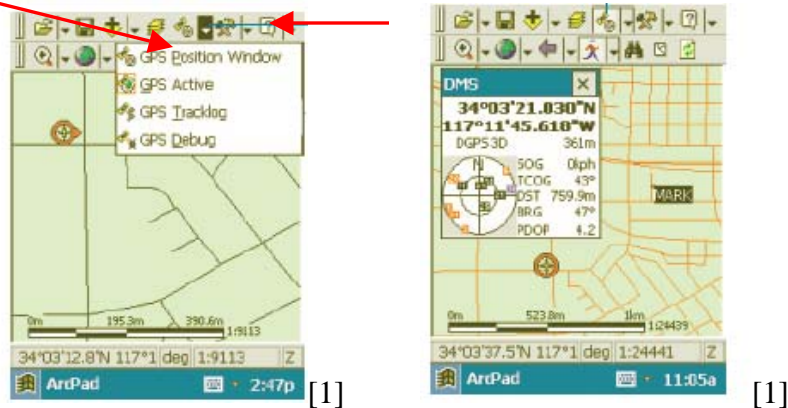


3. If you have an ArcPad map loaded on the GeoXT open it now. If the GPS points are to be added an existing layer select that layer for editing. The go to the tools drop down menu, tab “Toolbars”, then select tab “Editor” and the editing toolbar will become available (see How to use ArcPad).
4. If you are creating a new layer either to add to an existing map or adding a new layer to a blank file create ArcPad will automatically select the layer for editing and the editor toolbar will come up automatically (see How to use ArcPad).
5. To activate the GPS tab the GPS dropdown menu and tab “GPS Active.” The GeoXT will take a few minutes to acquire the satellites.

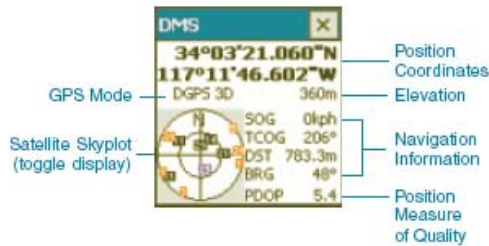


[1]

- To view the satellite positions tab the GPS dropdown menu and select “GPS Position Window.” You can move the window to wherever is convenient.



- The GPS Position window displays the information shown below. The satellites in the black box are satellites that the GPS has acquired, the satellites in red the GPS has yet to acquire, and the satellite in blue are satellites that the GPS has acquired but are not being used.



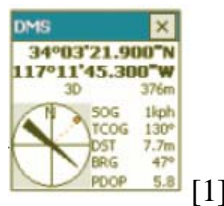
[1]

- To change the projection tab the current position text and select the projection from the drop down menu. Elevation can be changed in the same way.



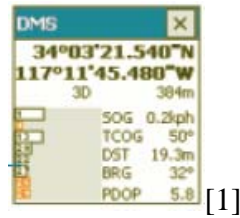
[1]

- If you tap the “GPS Position Window” the screen will change to a compass.



[1]

10. If you tap the “GPS Position Window” it will show the strength of the signal for the different satellites.



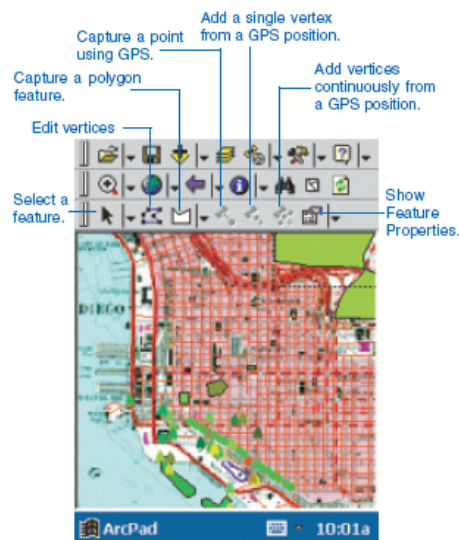
[1]

11. To use the tracking log tap the GPS dropdown menu then tap the “GPS Tracking” and start walking around. To stop the tracking log tap the GPS dropdown menu and then tap the “GPS Tracking.”



[1]

12. To take a waypoint first make sure that one of the layers is selected for editing and that the editor toolbar is up.

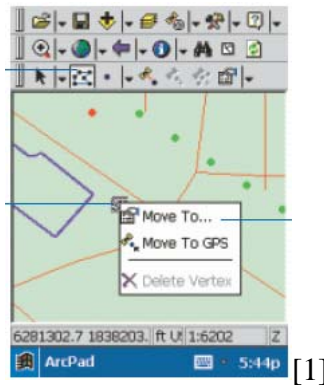


[1]

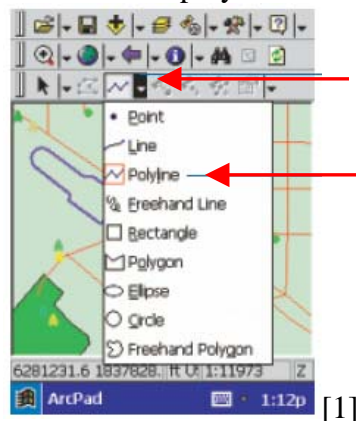
- Then tap the “Capture Point” button and the “Feature Properties” window will pop up. To name the current point tab “Field 1” and then use the keyboard to type in the name (the name will be beside the [abc]). You can keep adding waypoints this way.



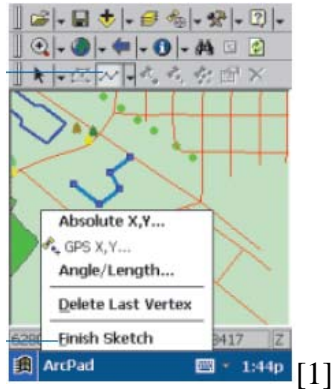
- To edit a waypoint tap the “Edit Vertices” button then tap the vertex that you want to edit. Next a popup menu will appear allowing you to edit the waypoint. Note: You may need to zoom in to see your waypoints.



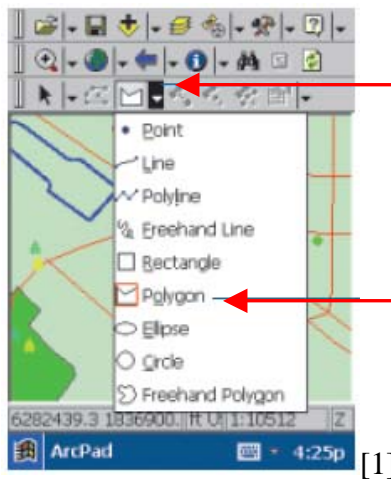
- To make a GPS line Feature add a new line layer or select a line layer for editing.
- Under the “Point Dropdown List” tab “polyline.”



17. Tab the “Capture Vertex” wherever you would like a vertex to be or use the stylus to and tab where a vertex will be.
18. Another way to use the GPS to capture a vertex is by tabbing anywhere and holding until the “Capture Menu” comes up. The “Capture Menu” is also useful for deleting a vertex and finishing the sketch.



19. To make an area shape file add a new area layer for editing or select an area layer for editing.
20. Tab the “Point Dropdown list” and tab Polygon.



21. Tab “Capture vertices” and walk around the area or use the stylus to tab the desired position for the vertex.
22. Now you know the basics have fun using the GPS tools in ArcPad. Remember to save edits before exiting and enjoy.

Reference:

1. *Using Arc Pad*, Shane Clarke, Craig Greenwald, and Valerie Spalding, ESRI Educational Services.