



Setting Up Geodetic Parameters with EPSG Code

By Trevor Hamlett

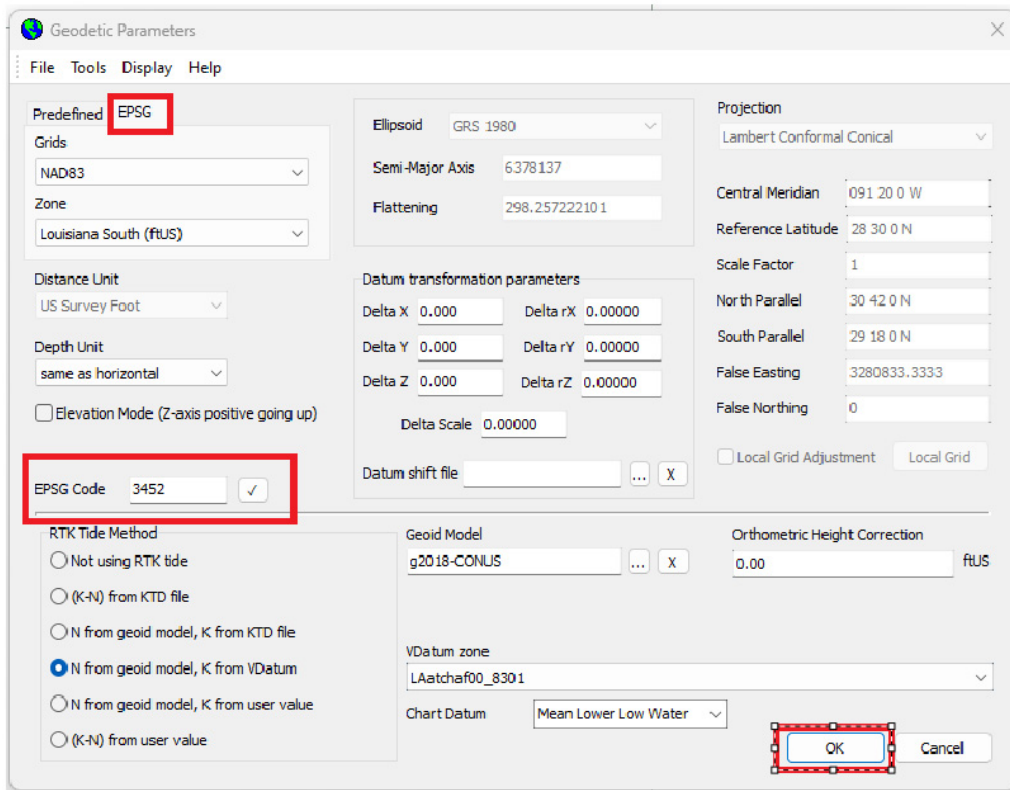
When setting your Geodetic Parameters, please be aware of the tab that you are in because it matters! If you do not plan on using an EPSG code, then select your desired grid, zone, distance unit, etc., and press [OK] while in the Predefined tab.

The screenshot shows the 'Geodetic Parameters' dialog box with the following settings:

- Predefined** (selected tab)
- Grids:** State Plane NAD-83
- Zone:** LA-1702 LOUISIANA SOUTH
- Distance Unit:** US Survey Foot
- Depth Unit:** same as horizontal
- Elevation Mode:** (Z-axis positive going up)
- Ellipsoid:** WGS-84
- Semi-Major Axis:** 6378137
- Flattening:** 298.257223563
- Projection:** Lambert Conformal Conical
- Central Meridian:** 091 20 0 W
- Reference Latitude:** 28 30 0 N
- Scale Factor:** 1
- North Parallel:** 30 42 0 N
- South Parallel:** 29 18 0 N
- False Easting:** 3280833.333
- False Northing:** 0
- Datum transformation parameters:**
 - Delta X: 0.000, Delta rX: 0.00000
 - Delta Y: 0.000, Delta rY: 0.00000
 - Delta Z: 0.000, Delta rZ: 0.00000
 - Delta Scale: 0.00000
- Datum shift file:** [empty]
- RTK Tide Method:**
 - Not using RTK tide
 - (K-N) from KTD file
 - N from geoid model, K from KTD file
 - N from geoid model, K from VDatum
 - N from geoid model, K from user value
 - (K-N) from user value
- Geoid Model:** g2018-CONUS
- Orthometric Height Correction:** 0.00 ftUS
- VDatum zone:** LAatchaf00_8301
- Chart Datum:** Mean Lower Low Water
- Buttons:** OK (highlighted), Cancel

If your project requires an EPSG code, you will still set your Predefined tab up like normal, but head over to the EPSG tab once you're done. It will copy over the grid and other settings. Input your desired EPSG code and click the check mark to apply. Then review your settings

and click [OK] while on the EPSG tab. Please note that if you want your EPSG setting to take effect, you must press [OK] while in the EPSG tab.



While in the HYPACK Shell, look at the Map window to verify which geodetic parameters you are working in.

