Using NGS NCAT to Calc SPC from WAPUS Lat/Long

Open NGS NCAT: https://www.ngs.noaa.gov/NCAT/

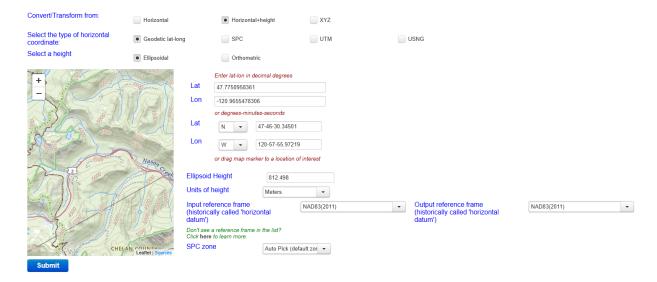
Set it for:

- Horizontal and Height
- Geodetic lat-long
- Ellipsoidal

Final Results for: QMAR

NAD83(2011) (EPOCH:2010) @ epoch 2010.00 Measurement method: Antenna Ground Point (AGP) Geoid model: GEOID18 (Conus)		
Coordinate	Value	σ [m]
X [m]	-2209778.983	0.001
Y [m]	-3682703.991	0.001
Z [m]	4700708.834	0.001
Latitude	47° 46' 30.34501" N	0.001
Longitude	120° 57' 55.97219" W	0.001
Ellipsoidal height [m]	812.498	0.001
Orthometric height [m]	830.744	0.001

Highlight just the lat or Long (and leave off the N and W) when you select to cut and paste into NCAT, It will convert to the format it needs (e.g., with the dashes). Cut/paste the ellipsoid height (m) as well. Put NAD83-2011 for the input and output. You can have it detect the Zone.



Then 'Submit'. Scroll down to get the results:

