**PSDEM 2005 Information**

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This documents the processing of the PSDEM 2005 bathymetry data set. This was created by Dave Finlayson at UW, from numerous data sources. It covers the whole Puget Sound region, at 30 foot (!) horizontal resolution. I extract down to 9 m resolution, but much of the area does not have that resolution in the raw data. This involved a lot of pre-processing, all of which is documented in the folder on my laptop …/tools\_archive/pdsem.

The results of all that processing were the Puget Sound bathymetry at various resolutions, contained in this folder as the files **psdem\_2005\_plaid\_[RES].nc** where RES indicates the resolution, 9m, 27m, 91m, or 183m. These are on a plaid grid in the matlab sense.

To extract into final format use psdem\_extract.m, which creates mat files at various resolutions and over various regions in standard lon, lat, z format. The ones here have the whole Puget Sound region at 183 and 91 m, as well as a 20 km by 40 km region around Three Tree Point at 27 m.

* **PS\_183m.mat**
* **PS\_91m.mat**
* **TTP\_Regional\_27m.mat**