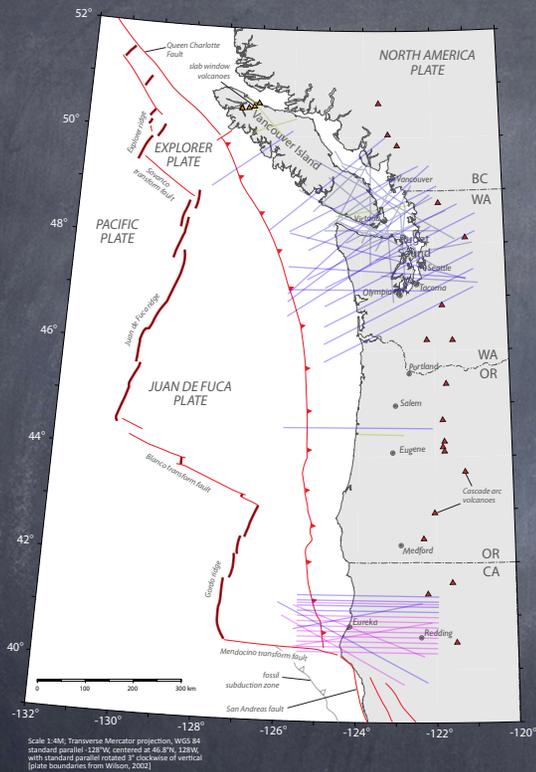


CASCADIA SUBDUCTION SYSTEM

transects showing location of available hypocenter; wide-angle (active source); teleseismic receiver function (passive source); and resistivity data



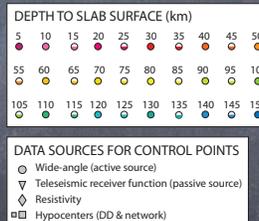
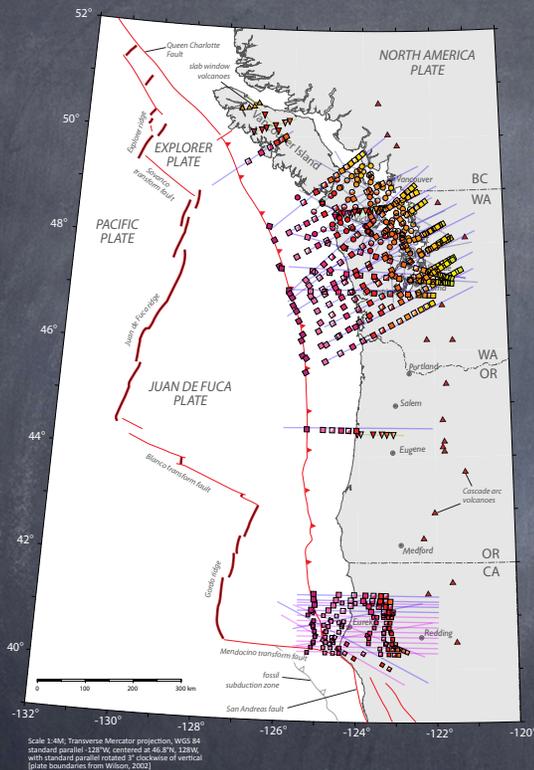
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CASCADIA SUBDUCTION SYSTEM

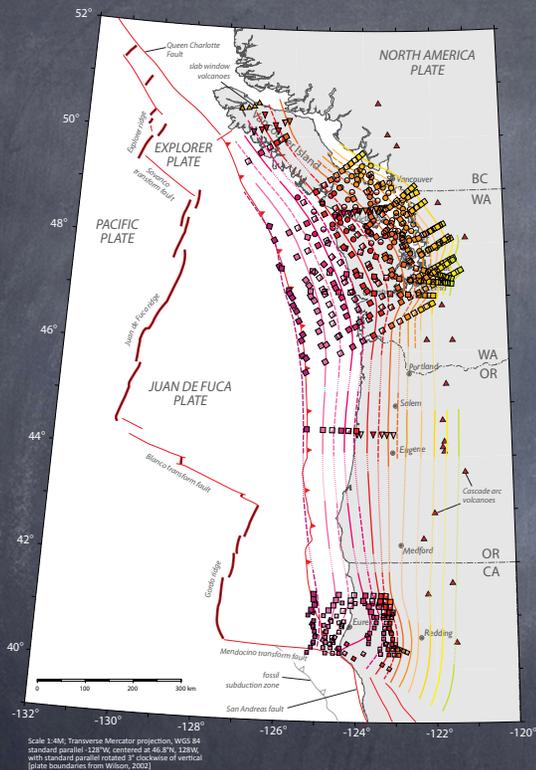
control points mark specific depths used to contour Juan de Fuca slab surface



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CASCADIA SUBDUCTION SYSTEM

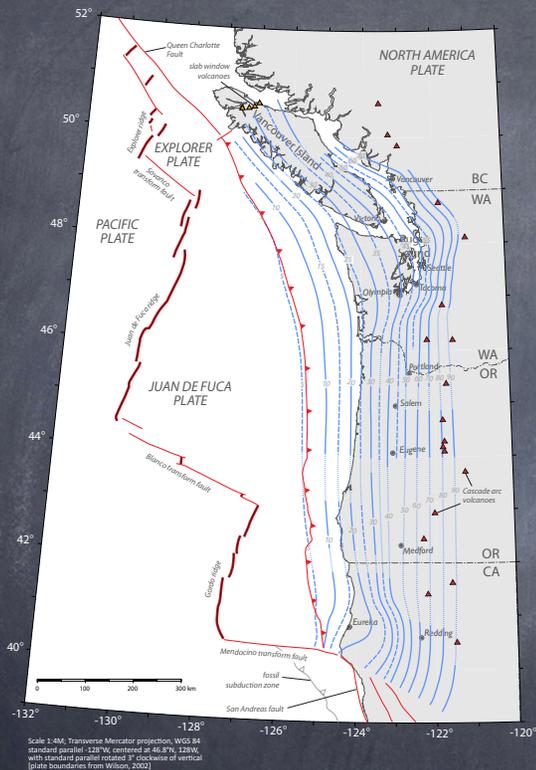
Juan de Fuca slab model based on hand-contouring depth control points from multiple data sources



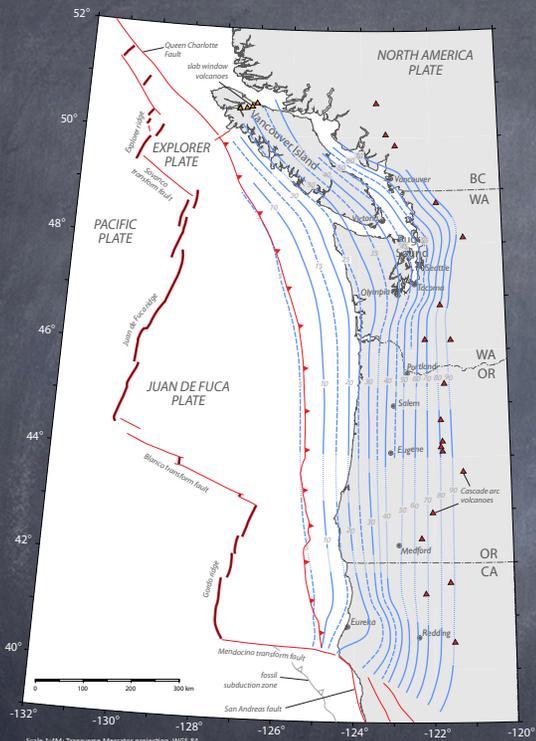
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CASCADIA SUBDUCTION SYSTEM

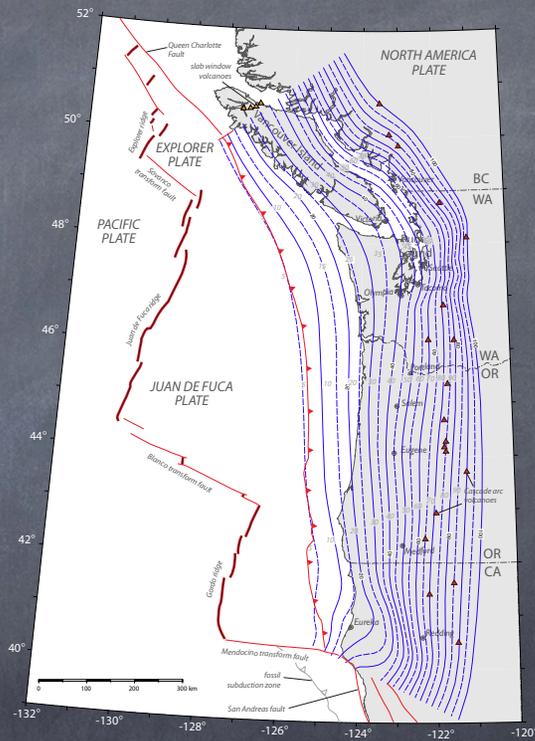
hand-contoured slab model
intended for seismicity
investigations



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Scale 1:4M, Transverse Mercator projection, NAD 83 standard parallel -128°W, centered at 46.8°N, 129°W, with standard parallel rotated 3° clockwise of vertical [plate boundaries from Wilson, 2002]



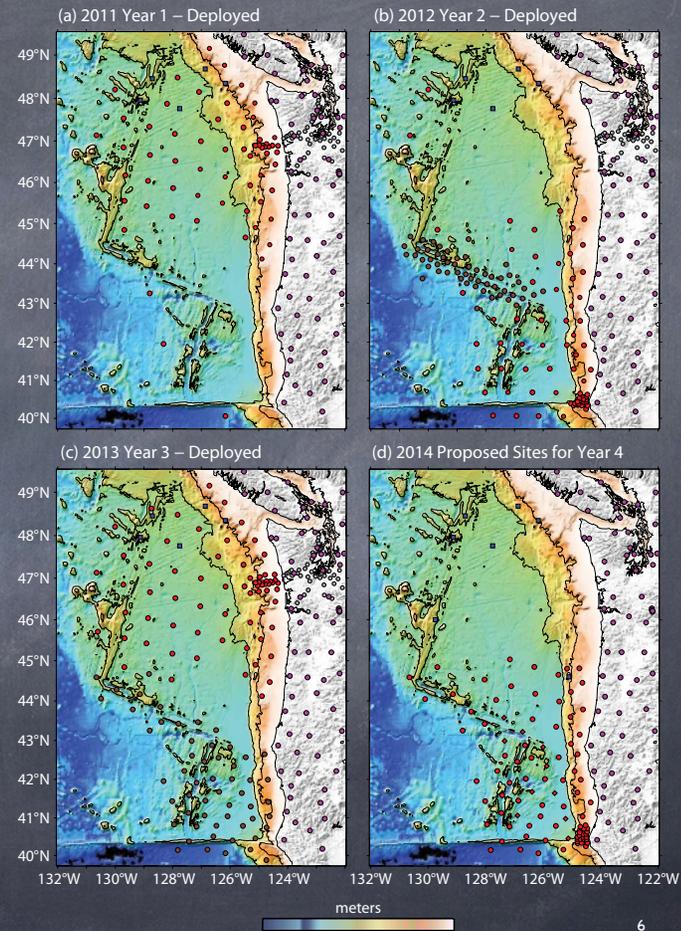
smoother GMT-contoured version intended for modeling efforts

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NEW SEISMIC VELOCITY
DATA CAN BE USED TO
BETTER CONSTRAIN
GEOMETRY OF CSZ
SOURCE AREA(S)

Maps showing the deployment & planned deployment of Cascadia Initiative (CI) ocean bottom seismometers (OBS). Red circles indicate CI OBS; brown circles indicate PI experiments that complement the CI design.

from Toomey et al., 2014, *Oceanography*



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