don't be this guy

automated avalanche
danger advisories
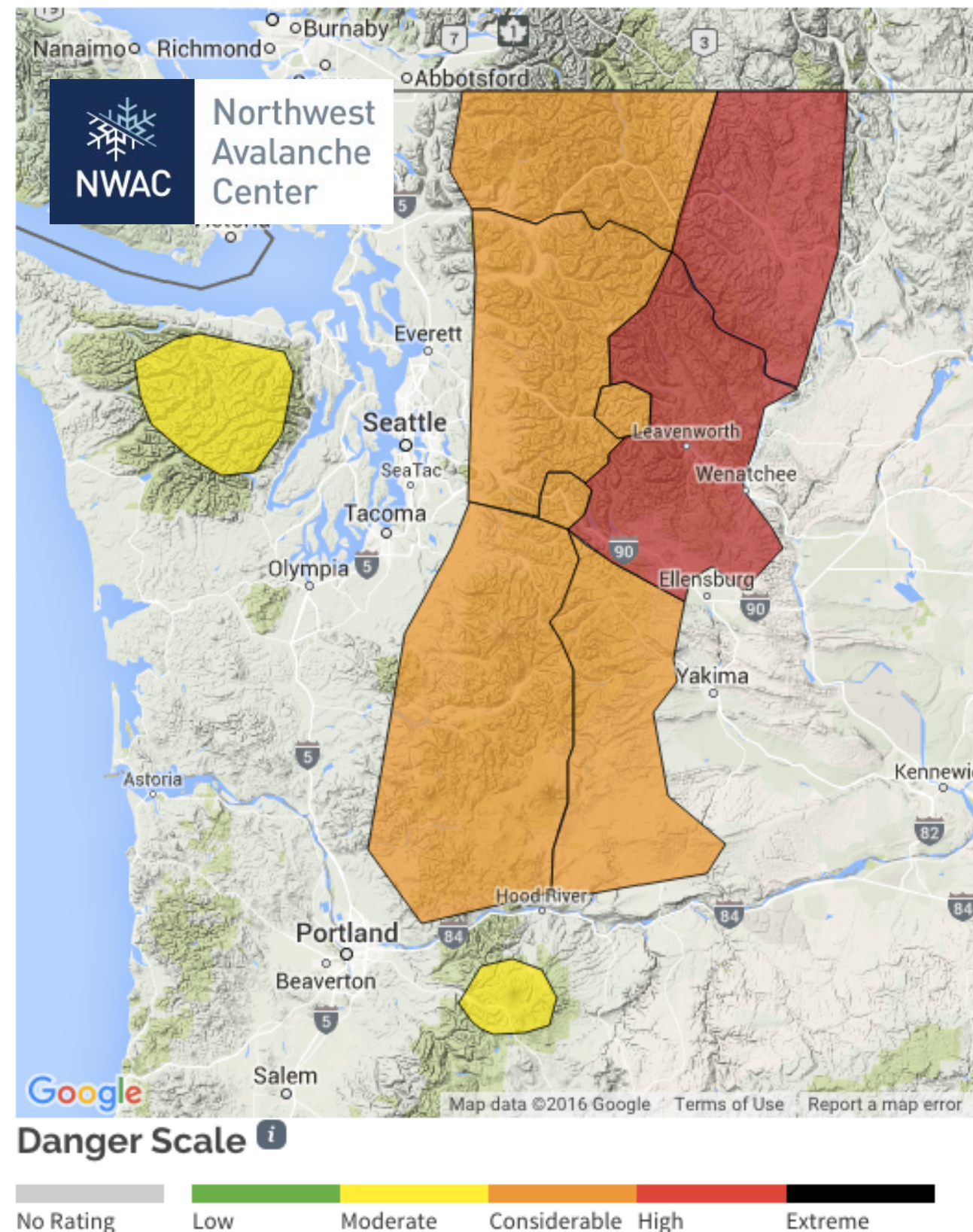
Photo: Mark Gallup
Map: NW Avalanche Center

SNOTELIER
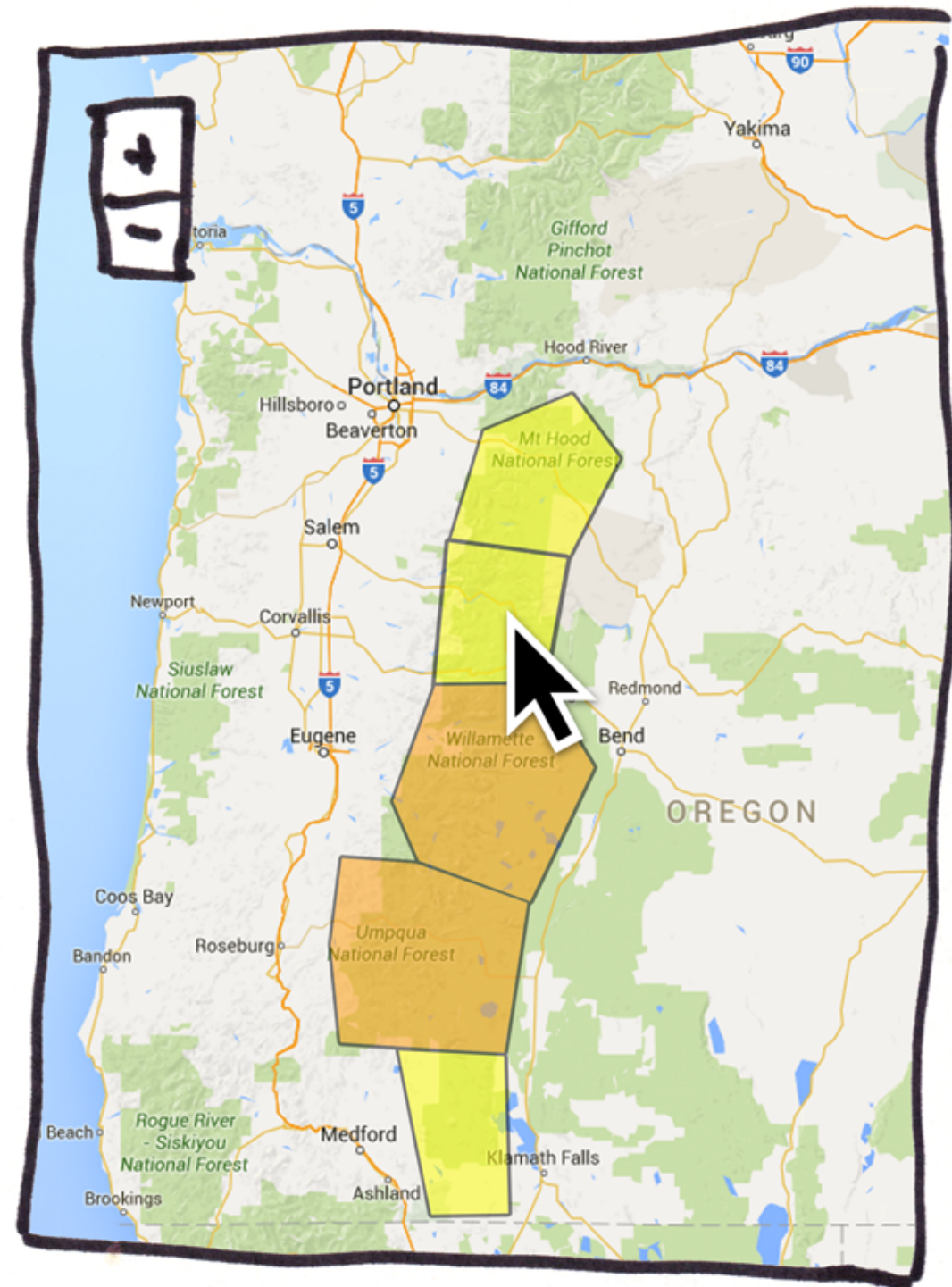
selected area:
SANTIAM PASS

danger level:
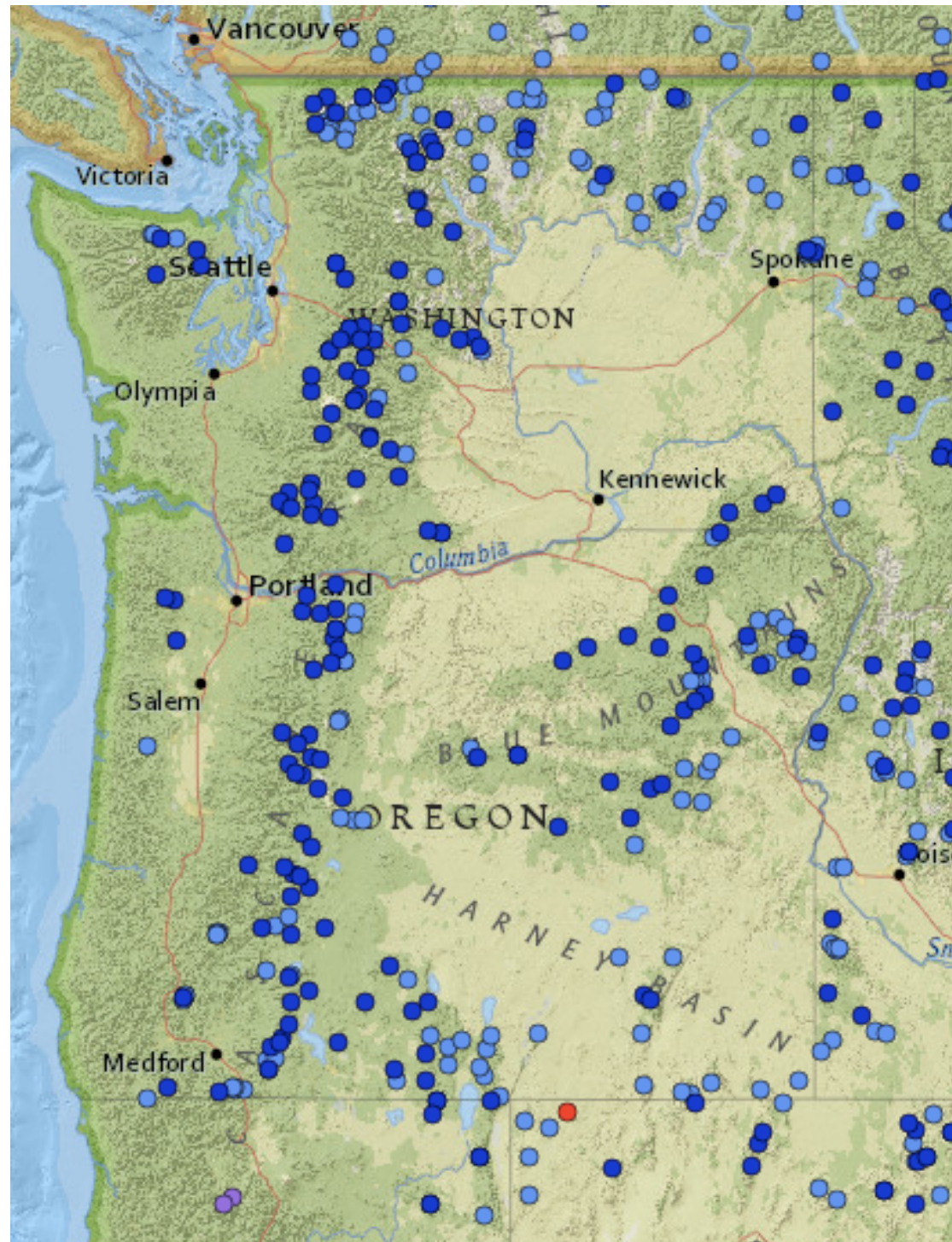
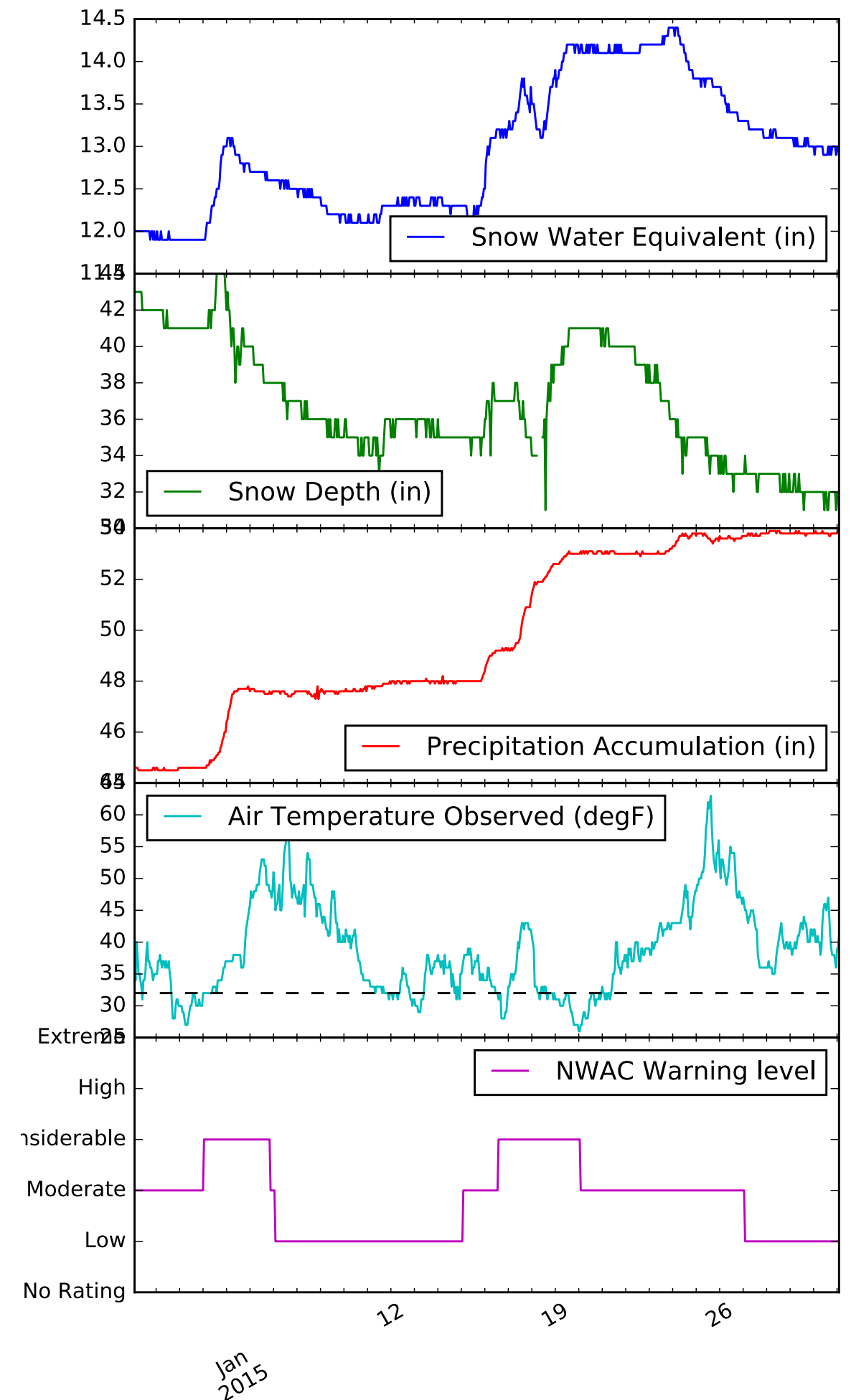**MODERATE**

65% confidence

view data?
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USDA SNOTEL

measure snowpack properties once per hour

Algorithm Strategy

- Labels from NWAC: ~daily reports from 2.5 seasons and 10 geographic regions

- Data from SNOTEL: 75 sites in WA, 81 in OR, hourly snow depth, density, temperature

- Transform to basis of avalanche-predictive factors: multi-day precipitation, temperature swings

- Train and validate model on appropriate subsets (hope for logistic regression)