The computer simulation model output is provided to DOGAMI as this chart depicts the tsunami waves as they arrive at the selected reference point (simulated gauge station). It shows the change in wave heights for the five "tsunami T-shirt scenarios" along lines A-A' and B-B'. The tsunami scenarios are modeled to occur at high tide and to account for local subsidence or submarine landslides, known as "turbidites," that record the time, in seconds, of the tsunami wave arrival and the wave height. The source data was compiled using hypothetical Cascadia and Alaska earthquake scenarios. This map was funded under award number 06-22-001-09-0001. The map was produced and distributed by the Oregon Department of Geology and Mineral Industries, State of Oregon, using federal funding awarded by NOAA, DOGAMI, and Pulse Communications, Inc. Map Production: Kaleena L.B. Hughes, Sean G. Pickner. Source Data: USGS, OSU, NOAA, Pulse Communications, Inc., and Oregon Department of Land Conservation and Development. Map Explanation: The tsunami inundation has been identified and mapped along the entire Oregon coast. The tsunami inundation map displays the output of computer models that simulate the inundation of coastal areas due to tsunamis. This inundation map is based on the coastal topography and the wave height data provided by the computer simulation model. The inundation areas are color-coded to represent different zones of inundation. The map also includes wet and dry contour lines, which are used to identify the boundary between the inundated and non-inundated areas. The map includes a legend that explains the color coding and the inundation zones. Map Generation: ESRI ArcGIS® 10.1, Microsoft® Excel®, Adobe® Illustrator® Software, and Stimely, L.L., English, J.T., and Ferro, P.A., 2011, Simulating the Cascadia subduction zone tsunami hazard: 2011 California Geological Survey Special Report 203. Priest, G.R., Goldfinger, C., Wang, K., Witter, R.C., Zhang, Y., 2008, Geologic framework, geology, and geohazards of the Cascadia Subduction Zone, Oregon: U.S. Geological Survey Open-File Report 2008–1088. Priest, 1995.