The CSZ is the tectonic plate boundary between the North American Plate and the Pacific Plate. This region is known for its seismic activity and the potential for generating large tsunamis. The Cascadia Subduction Zone (CSZ) earthquake and tsunami are of particular concern due to their potential to cause significant damage.

Using federal funding awarded by NOAA, DOGAMI has developed a new tsunami inundation map for the Warrenton South - Rilea area, Oregon. This map is based on research that examined the many scenarios at the profile locations shown on this map.

The map includes various zones such as wet/dry, urban, and rural areas. It also highlights the different levels of tsunami inundation, which are color-coded to represent various depth ranges. The map provides a visual representation of the potential impact of a tsunami event in the area.

The map is designed to help residents understand the risk of tsunami inundation and to enhance the educational materials for this scientific material. The map can be used by emergency management officials, residents, and other stakeholders to prepare for and respond to a potential tsunami event.