

Regional Resilience Planning Map

Curry General Hospital, Gold Beach, Oregon

This regional resilience planning map shows the location of the hospital and highlights nearby critical facilities. The map can be used to help develop hospital resilience action plans for a Cascadia earthquake and tsunami, and for other disaster planning purposes **before** the earthquake occurs. Due to the hospital's proximity to the Cascadia fault, the hospital is in a high seismic hazard region and is expected to experience prolonged strong shaking. The hospital is located in the Large (L), Extra Large (XL), and Extra Extra Large (XXL) tsunami hazard zones. The worst-case scenario is the XXL zone, which defines the tsunami evacuation zone.

Curry General should **not** evacuate from a "Distant Tsunami," which is generated from an earthquake far away from the Oregon coast, near Alaska or Japan. See the Site Resilience Planning Map for a closeup view.

Explanation of Symbols

Tsunamis generated by a Cascadia Subduction Zone earthquake can vary in size from SM, M, L, XL to XXL.

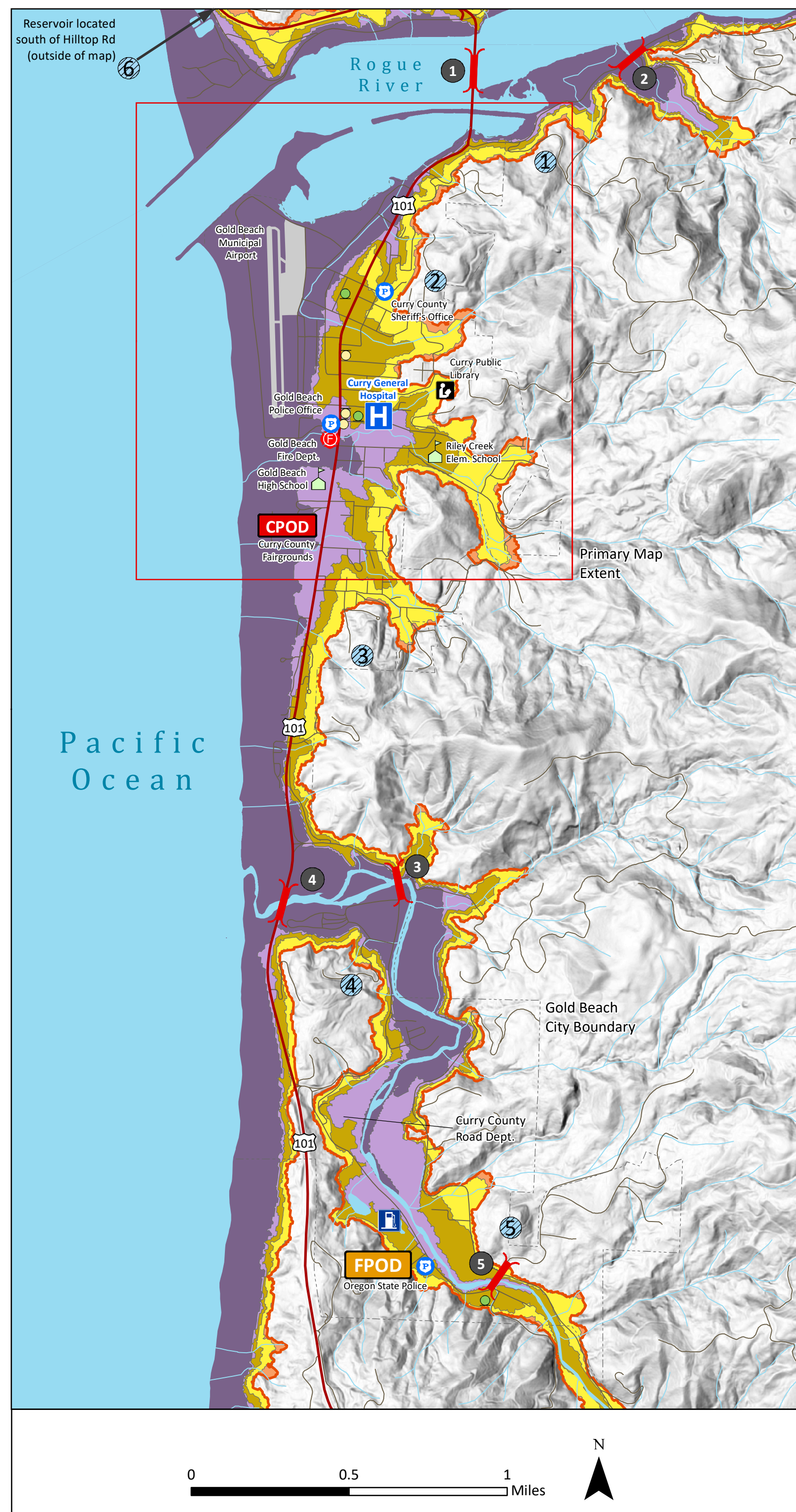
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|--|--|--|---------------------------------|--|--------------------------------|
| | Small Tsunami Hazard Zone (SM) (This zone captures ~26% of local tsunamis, meaning there is a 74% chance the next tsunami will be larger than this scenario.) | | Hospital | | Existing Landslide Hazard Area |
| | Medium Tsunami Hazard Zone (M) (This zone captures ~79% of local tsunamis.) | | Community Point of Distribution | | Reservoir (see Table) |
| | Large Tsunami Hazard Zone (L) (This zone captures ~95% of local tsunamis.) | | Fuel Point of Distribution | | Bridge ① Bridge ID (see Table) |
| | Extra Large Tsunami Hazard Zone (XL) (This zone captures ~98% of local tsunamis.) | | Assembly Area | | Fuel - Cardlock |
| | Extra Extra Large Tsunami Hazard Zone (XXL) (This zone captures 100% of local tsunamis, meaning this is the largest tsunami the model anticipates. The tsunami evacuation zone is defined by the XXL zone.) | | Buildings of Interest | | Fuel - above ground |
| | | | Buildings | | Fuel - underground |
| | | | Parking Lots | | Open Spaces |

More tsunami information at www.OregonTsunami.org, including:

- Tsunami evacuation maps (including assembly areas)
- Online interactive map viewer
- Local tsunami hazard zones: DOGAMI Open-File Report O-13-19 (2013)
- Original scientific publication: DOGAMI Special Paper 43 (2011)

Tsunami data source: DOGAMI Open-File Report O-13-19 (<https://www.oregongeology.org/pubs/ofr/p-O-13-19.htm>)

Gold Beach Area Map



Bridge Table

| Bridge No | Bridge ID | Location | Length (ft) | Spans | Material | Year Built |
|-----------|-----------|-----------------|-------------|-------|----------------------|------------|
| 1 | 01172 | U.S. Hwy 101 | 1,898 | 7 | Concrete Continuous | 1930 |
| 2 | 15C009 | Jerry's Flat Rd | 35 | 1 | Prestressed Concrete | 1957 |
| 3 | 15C010 | Hunter Creek Rd | 207 | 5 | Concrete | 1938 |
| 4 | 08290 | U.S. Hwy 101 | 360 | 4 | Concrete Continuous | 1959 |
| 5 | 15C24 | Hunter Creek Rd | 174 | 4 | Concrete Continuous | 1959 |

Reservoir Table

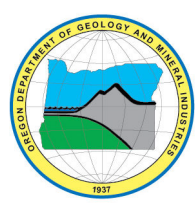
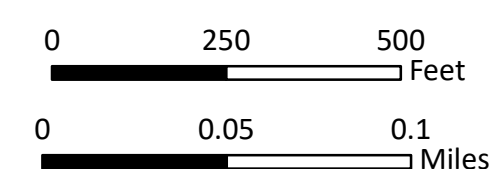
| Reservoir Number | Name | Capacity (Gal) | Material | Year Built |
|------------------|------------------------|----------------|----------|------------|
| 1 | Big Prairie Reservoir | 1.5 M | Concrete | 1987 |
| 2 | Hound Dog Rd Reservoir | 300,000 | Steel | 1955 |
| 3 | Wallace St Reservoir | 500,000 | Steel | 1961 |
| 4 | Brooks Rd Reservoir | 250,000 | Steel | 1967 |
| 5 | Hunter Creek Heights | 60,000 | Steel | 1999 |
| 6 | Wedderburn | 500,000 | Steel | 1988 |

Tsunami Safety Options:

- Obtain site-specific tsunami inundation model
- Build tsunami defensive structure
- Build new using the national model code on Tsunami Vertical Evacuation Structures
 - Addition
 - New building
 - Platform or berm
- Improve emergency power system, including fuel supply, outside tsunami hazard zone
- Plan to access emergency water outside tsunami hazard zone
 - Ground water wells
 - Tanks
- Create new tsunami evacuation route
- Improve existing tsunami evacuation route
- Plan to provide post-disaster medical services in a non-impacted area

More information at www.oregongeology.org

Elevation contour interval is 20 feet



STATE OF OREGON
DEPARTMENT OF GEOLOGY AND MINERAL INDUSTRIES
www.oregongeology.org
Open-File Report O-20-02
Oregon Coastal Hospital Resilience Project: Resilience Planning Maps and Guidance

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January, 2019