

Regional Resilience Planning Map

Samaritan North Lincoln Hospital
Lincoln City, 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 outside the tsunami hazard zone, so tsunami evacuation is **not** required.

The 1973 Siletz River bridge on Highway 101 is seismically vulnerable. In the event of an earthquake and tsunami, the bridge will likely experience significant damage and may be impassable by vehicles for over 24 months. Bringing resources into Lincoln City by sea and by air will be necessary.

Explanation of Symbols

-  Hospital

 Community Point of Distribution

 Assembly Area

 Building of Interest

 Building
-  Parking Lot

 Open Space

 Boat Dock

 State Park or Recreation Site

 Landslide

 Water or Wastewater Treatment Plant
-  Bridge

 Culvert

 Fuel - Cardlock

 Fuel - underground

 Fuel - above ground

 Reservoir
-  Bridge ID

 Bridge ID

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

-  Small Tsunami Hazard Zone (SM)

 Medium Tsunami Hazard Zone (M)

 Large Tsunami Hazard Zone (L)

 Extra Large Tsunami Hazard Zone (XL)

 Extra Extra Large Tsunami Hazard Zone (XXL)
- 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.)

Medium Tsunami Hazard Zone (M)
(This zone captures ~79% of local tsunamis.)

Large Tsunami Hazard Zone (L)
(This zone captures ~95% of local tsunamis.)

Extra Large Tsunami Hazard Zone (XL)
(This zone captures ~98% of local tsunamis.)

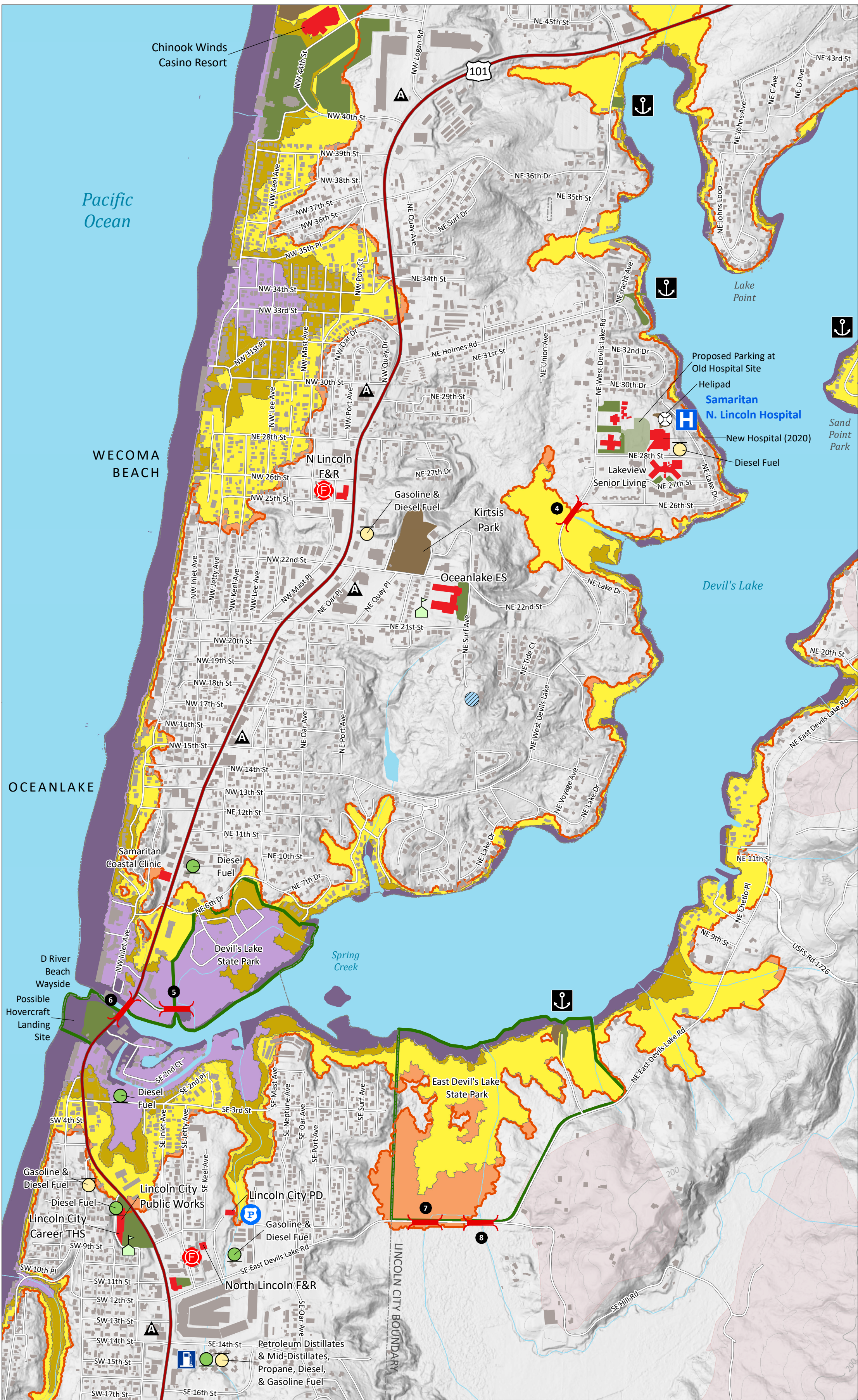
Extra Extra Large Tsunami Hazard Zone (XXL)
(This zone captures 100% of local tsunamis, meaning this is the largest tsunami the model anticipates. The tsunami evacuation zone is defined by the XXL zone.)

Source: DOGAMI Open-File Report O-13-19 (<https://www.oregongeology.org/pubs/ofr/p-0-13-19.htm>)

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)

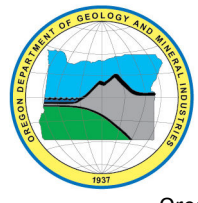
Close Up Map



Bridge Table

Structure #	Type	Bridge ID	Location	Length (ft)	Spans	Materials	Year Built
1	Bridge	13491	OR 18 (Hwy 39)	186	3	Concrete Continuous	1962
2	Bridge	0M614	Sign Cantilever	20	1	Steel	1978
3	Bridge	16236	Sign Bridge	144	1	Steel	1970
4	Bridge	41C07	W Devil's Lake Rd	22	1	Prestressed Concrete	1968
5	Bridge	19762	NE 1st St	14	1	Wood / Timber	1970
6	Bridge	00922A	US 101 (Hwy 009)	100	3	Concrete Continuous	1949
7	Bridge	12003	E Devil's Lake Rd	36	1	Prestressed Concrete	1968
8	Bridge	12004	E Devil's Lake Rd	18	1	Prestressed Concrete	1954
9	Bridge	12018A	Anderson Creek Rd	68	1	Prestressed Concrete	1963
10	Bridge	00924A	US 101 (Hwy 009)	285	6	Concrete Continuous	1945
11	Bridge	41C08A	Gorton Rd	89	1	Prestressed Concrete	1981
12	Bridge	12019A	Drift Creek Rd	145	1	Prestressed Concrete	1968
13	Bridge	00925A	US 101 (Hwy 009)	210	5	Concrete Continuous	1945
14	Bridge	09906	US 101 (Hwy 009)	920	6	Concrete Continuous	1973
15	Bridge	20401	US 101 (Hwy 009)	390	4	P/S & Continuous Concrete	2011
16	Bridge	04141A	US 101 (Hwy 009)	56	3	Concrete Continuous	1955
17	Bridge	41C24	Millport Slough Rd	153	6	Wood / Timber	1980
18	Culvert	0M435	US 101 (Hwy 009)	15	1	Steel	1970
19	Culvert	21627	US 101 (Hwy 009)	14	1	Concrete	2013

Source: Oregon Department of Transportation



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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September, 2019

