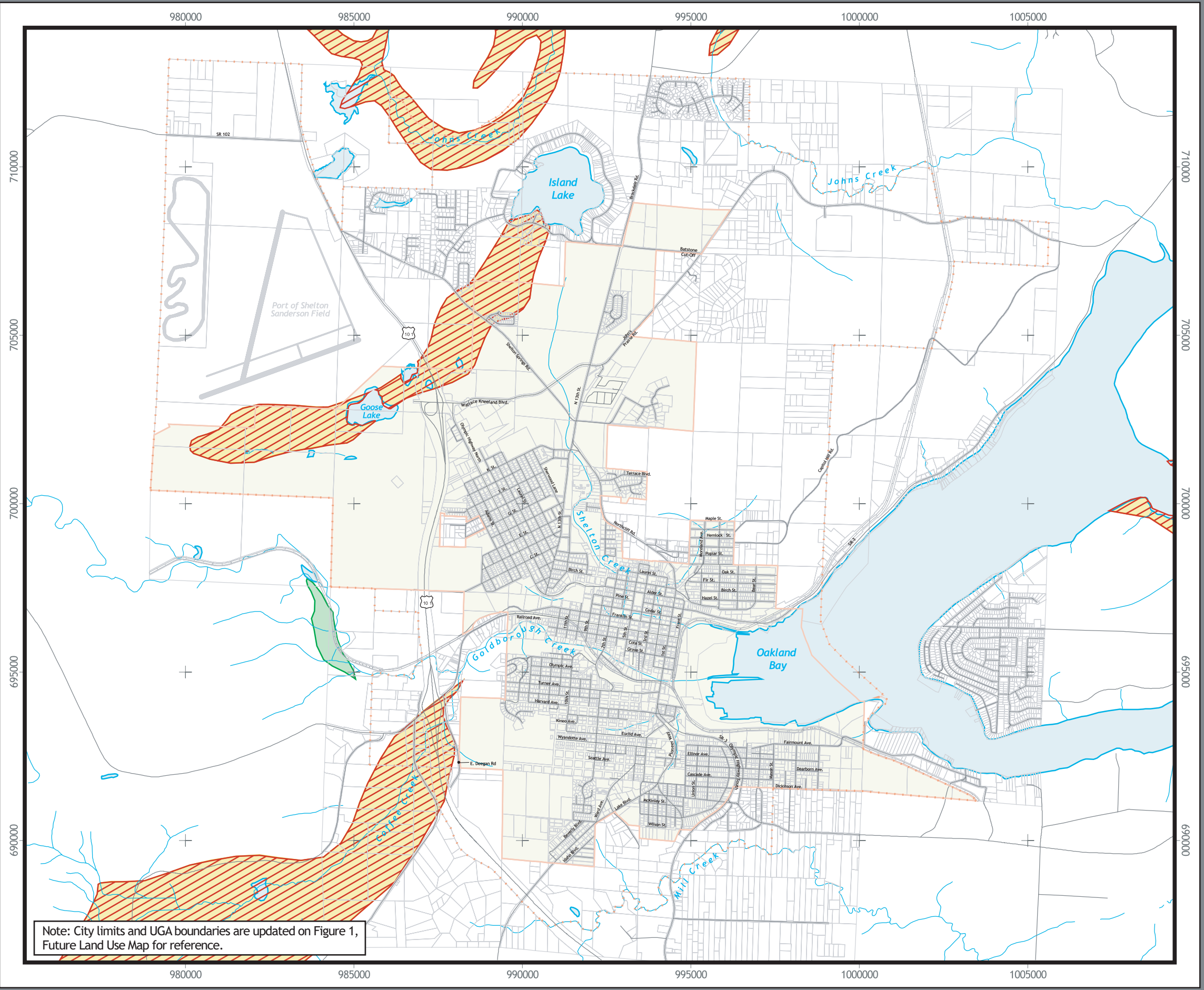


02437.02 H:\PROJECTS\City_of_Shelton\APPFiles\Critical_Areas_Ordinance (03-16-2004)



Note: City limits and UGA boundaries are updated on Figure 1, Future Land Use Map for reference.

Legend

Soil Liquefaction Potential (WA DNR)

- High
- Moderate
- Peat

Geologic Faults

Geologic Folds

Note: No known faults or folds in the immediate vicinity of Shelton.

Ground Shaking Velocity Potential (WA DNR)

- < 600 ft/sec
Soils susceptible to potential failure under seismic loading such as liquefiable soils or sensitive clays, peats, or organic clays thicker than 10 ft, or thick sections of clays.
- < 600 ft/sec
Includes soft soils.
- 600 to 1200 ft/sec
Includes stiff soils.
- > 1200 ft/sec
Includes rock and hard rock.

- Roads
- Streams
- Parcels
- Urban Growth Boundary
- City of Shelton Limits

Description of Map:
Seismic Hazard Areas include those areas that present potential dangers to public health and safety to prevent the acceleration of natural geologic hazards, to address off-site environmental impacts, and to minimize the risk to property owners from development activities. This map is meant only as a general guide to delineate areas based on their potential for enhanced ground shaking. It is not a substitute for site-specific investigation to assess the actual ground conditions and potential for amplified ground shaking, as measured by the NEHRP soil type or other more quantitative analyses.

City of Shelton Code 21.64.110 defines Geologically Hazardous Areas - Seismic Hazard Areas as areas subject to severe risk of damage as a result of earthquake-induced ground shaking, slope failure, soil liquefaction, or surface faulting

The following criteria may be used as a guide by Mason County to indicate areas that have a higher likelihood of meeting the classification criteria above:

- Areas identified on the Coastal Zone Atlas of Washington, Volume 9, Mason County as Af, Qa1, Qa2, Qvc, Qls, Qos and Qp.
- Areas identified on the Mason County Soil Survey Map as having slopes greater than 15 percent.
- Faults identified on "Map Showing Known or Suspected Faults With Quaternary Displacement in the Pacific Northwest", A.M. Rogers, T.J. Walsh, W.J. Kockelman and G.R. Priest, US Geologic Survey, 1996; or described in "Active Faulting Investigations on the Canyon River Fault, Southern Olympic Range, Washington", T.J. Walsh and K.G. Neal, U.S. Geologic Survey, 1997.

Source of Data:
Soil Liquefaction Potential and NEHRP Soil Type: Washington State Department of Natural Resources, Division of Geology and Earth Resources, January 2004

Disclaimer:
This information is provided as a public service, and a guide to property owners, potential applicants, and the general public. Additional research and documentation may be required to determine the location and extent of environmentally sensitive areas.
No warranty is provided as to the accuracy of the information provided, and the user of this information assumes all risk associated with its use and dissemination.

Scale: 1 inch = 3000'

2000 0 2000 4000 Feet

Jones & Stokes

Figure 8
Critical Areas
Geologically Hazardous Areas
Seismic Hazard Areas