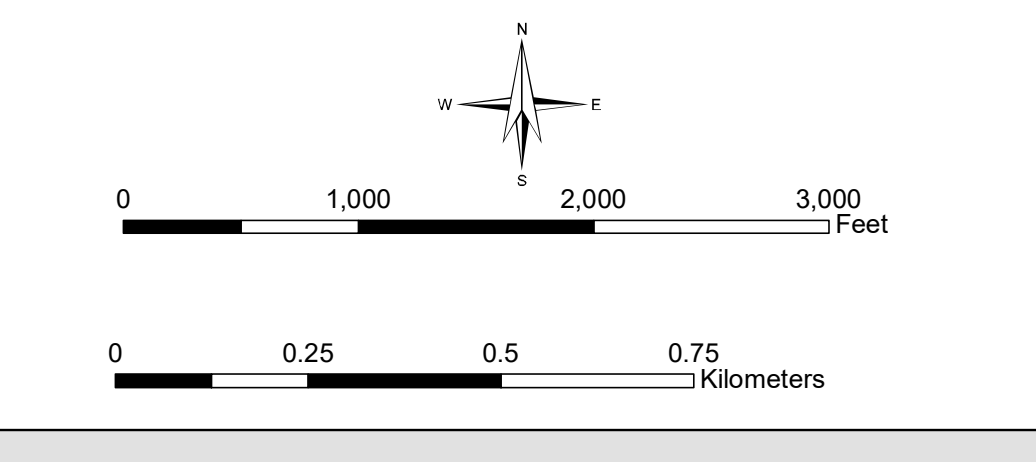
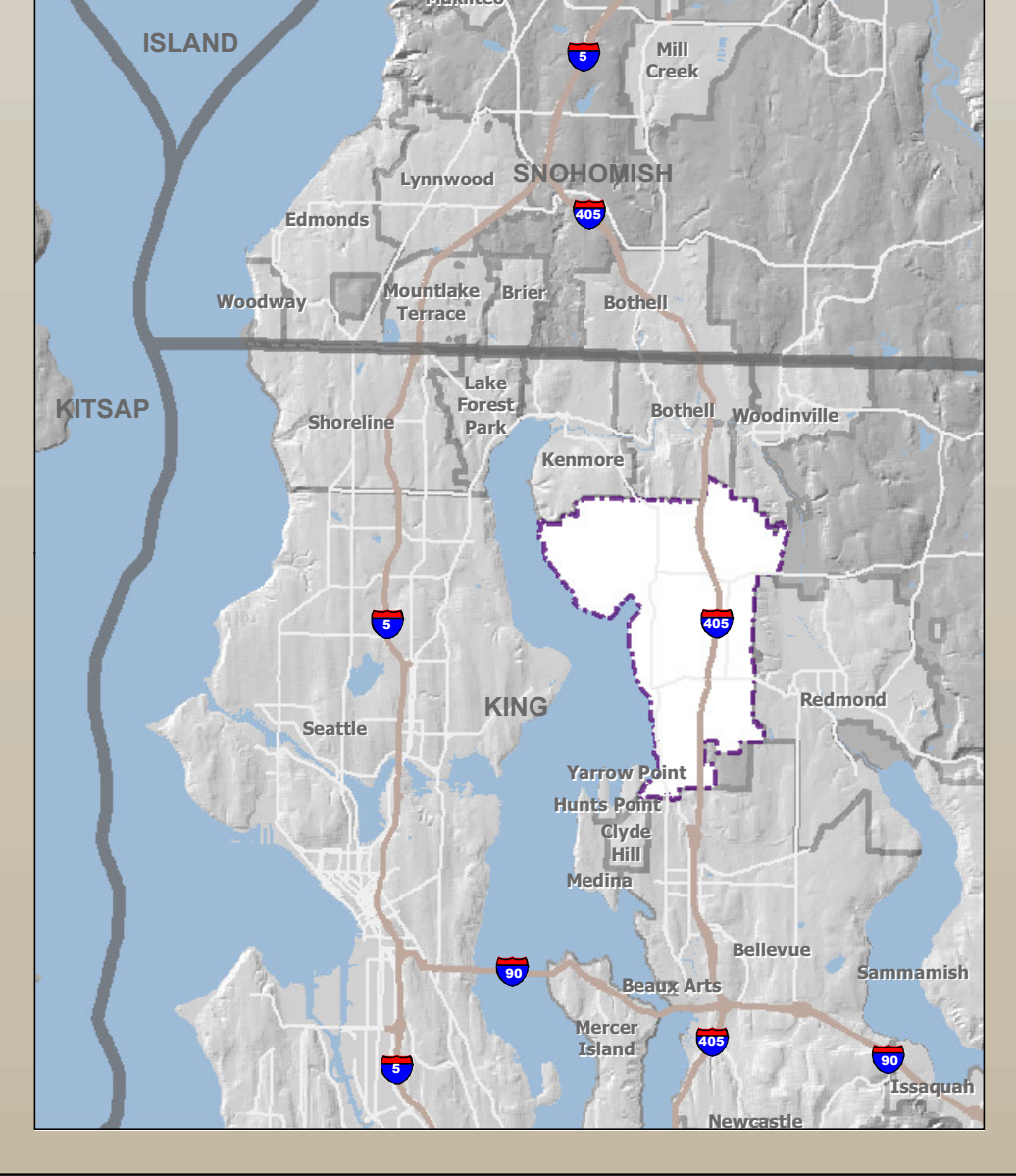


**Kirkland Landslide Susceptibility**

- Level**
- High Susceptibility
- Moderate Susceptibility
- Moderate Hazard Area Buffers
- Mapped Landslides**
- Deposit Areas
- Head Scarps
- Base Map**
- Select Public Properties
- Docks/Piers
- Lakes
- Kirkland City Limits
- Adjacent City Limits



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**Critical Area Boundaries**  
 The boundaries of the critical areas displayed on this map are approximate. Field verification of all critical areas is necessary in order to properly determine exact boundaries. Additional critical areas that have not been mapped may be present on a development proposal site.

High susceptibility areas consist of known shallow landslide areas and areas with less than 1.25 factor of safety.  
 Moderate susceptibility areas are ones that have not failed but that could do so with normal triggers. These areas are determined as those with a factor of safety between 1.25 and 1.5.  
 Susceptibility buffers are areas not expected to fail under normal conditions, but may be involved in a failure originating in a nearby susceptibility zone. These areas have a factor of safety greater than 1.5.

1. This map shows areas susceptible to deep- and/or shallow-seated landslides. Areas other than those designated may be susceptible. Some landslides (high susceptibility) may have been mitigated, reducing their level of susceptibility.
2. Deep-seated landslide susceptibility was determined following the modeling protocols developed by the Oregon Department of Geology and Mineral Industries and the Washington Geological Survey, and is based on: known areas of landslides, susceptible geologic contacts, susceptible geologic units, buffers, and slope degree. Refer to the accompanying technical report for more details.
3. Shallow landslide susceptibility was determined following the modeling protocols developed by the Oregon Department of Geology and Mineral Industries and is based on: known areas of landslides, susceptible geologic contacts, susceptible geologic units, buffers, and slope degree. Since some of these properties are estimates, site conditions may vary. Refer to the accompanying technical report for more details.
4. The model results highlight the areas most likely to fail with normal triggers. Areas not shown as susceptible could fail from normal triggers and/or with seismic triggers.
5. The modeling used does not distinguish between steep slopes and structures like retaining walls therefore such features will require site specific evaluations.
6. This map shows the locations of landslide features in the City of Kirkland. Refer to the attributes for details about the features.
7. Landslides, especially older ones, other than those shown on the map are likely to present within the City of Kirkland. Many are hard to distinguish because of vegetation or land modification for development.
8. This landslide susceptibility map should be used to evaluate and understand the character of the City of Kirkland as a whole, and should not be used for site specific evaluations. Geologic and geotechnical evaluations are needed for site-specific evaluations.
9. Basemap from 2016 LIDAR, DEM colored by elevation and draped over a shaded slope map.
10. Lake Washington bathymetry from NOAA survey, colored by depth and draped over shaded slope map.