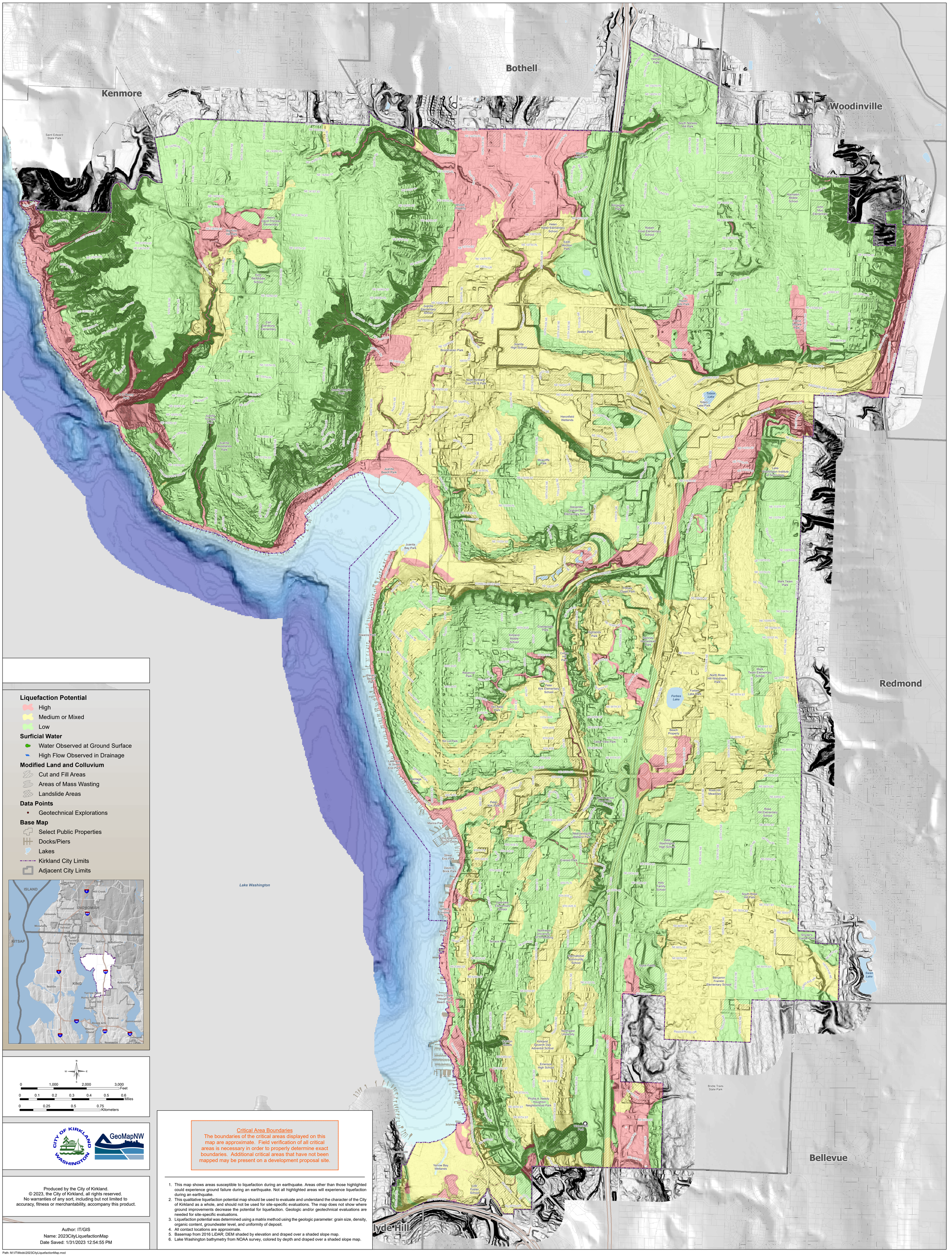

Liquefaction Potential
- High
- Medium or Mixed
- Low

Surficial Water
- Water Observed at Ground Surface
- High Flow Observed in Drainage

Modified Land and Colluvium
- Cut and Fill Areas
- Areas of Mass Wasting
- Landslide Areas

Data Points
- Geotechnical Explorations

Base Map
- Select Public Properties
- Docks/Piers
- Lakes
- Kirkland City Limits
- Adjacent City Limits

0 1,000 2,000 3,000 Feet

0 0.1 0.2 0.3 0.4 0.5 0.6 Miles

0 0.25 0.5 0.75 Kilometers

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.

1. This map shows areas susceptible to liquefaction during an earthquake. Areas other than those highlighted could experience ground failure during an earthquake. Not all highlighted areas will experience liquefaction during an earthquake.
2. This qualitative liquefaction potential 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. The map does not show where ground improvements decrease the potential for liquefaction. Geologic and/or geotechnical evaluations are needed for site-specific evaluations.
3. Liquefaction potential was determined using a matrix method using the geologic parameter: grain size, density, organic content, groundwater level, and uniformity of deposit.
4. All contact locations are approximate.
5. Basemap from 2016 LiDAR; DEM shaded by elevation and draped over a shaded slope map.
6. Lake Washington bathymetry from NOAA survey, colored by depth and draped over a shaded slope map.

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