

Storm Surge Today, LIVINGSTON BAY

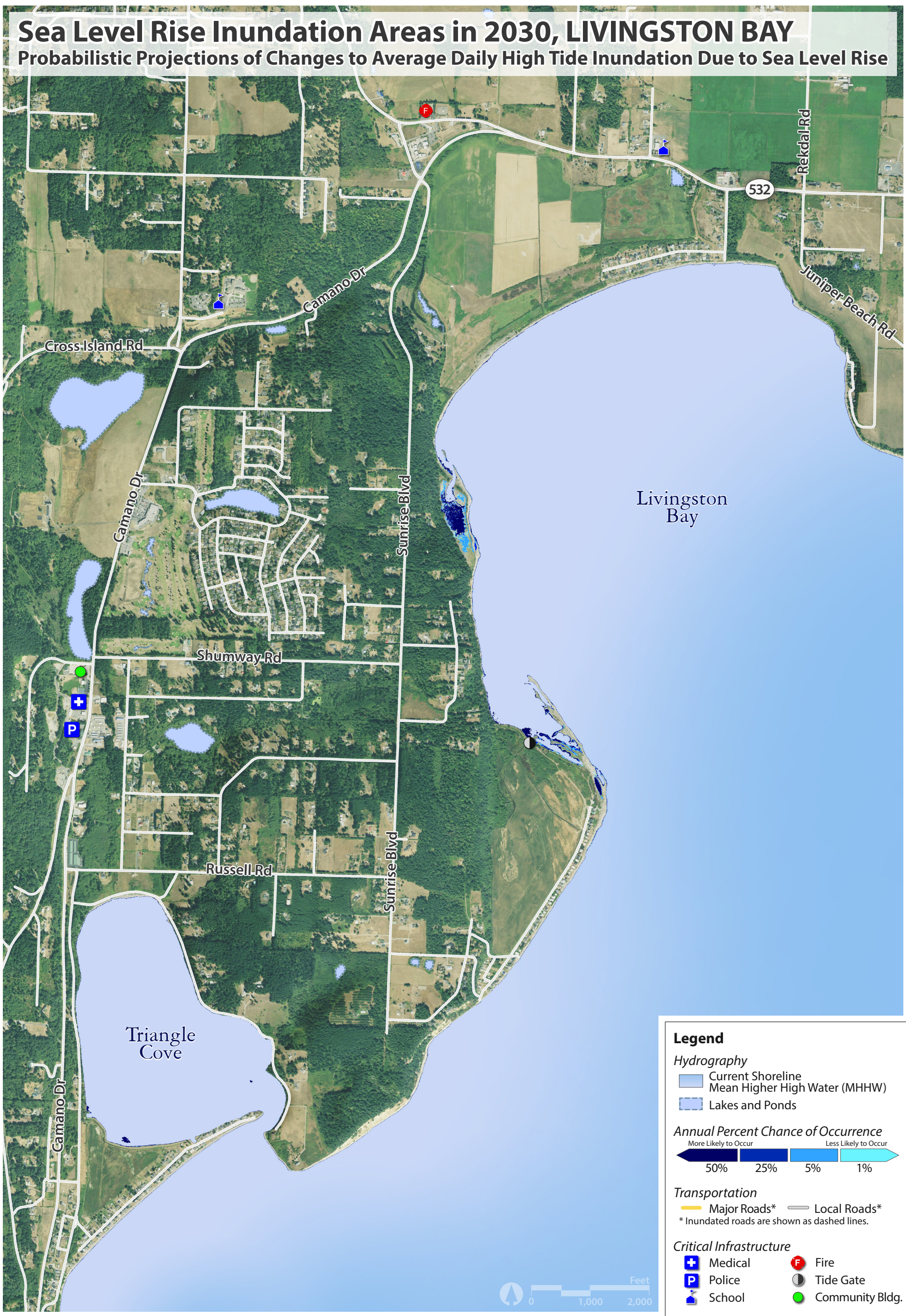


Notes

- The mapped "Current Shoreline" is the Mean Higher High Water datum, 1983-2001 epoch, as provided by the National Oceanic and Atmospheric Administration (NOAA).
- Maps use lidar-based elevation data from 2014 made available through the Puget Sound Lidar Consortium (PSLC). Accuracy of elevation data at individual sites has not been verified.
- Maps use only elevation data to map areas of inundation and do not model hydrology, subsurface flow pathways, or shoreline engineering.
- Maps do not reflect shoreline change or erosion.

Sea Level Rise Inundation Areas in 2030, LIVINGSTON BAY

Probabilistic Projections of Changes to Average Daily High Tide Inundation Due to Sea Level Rise

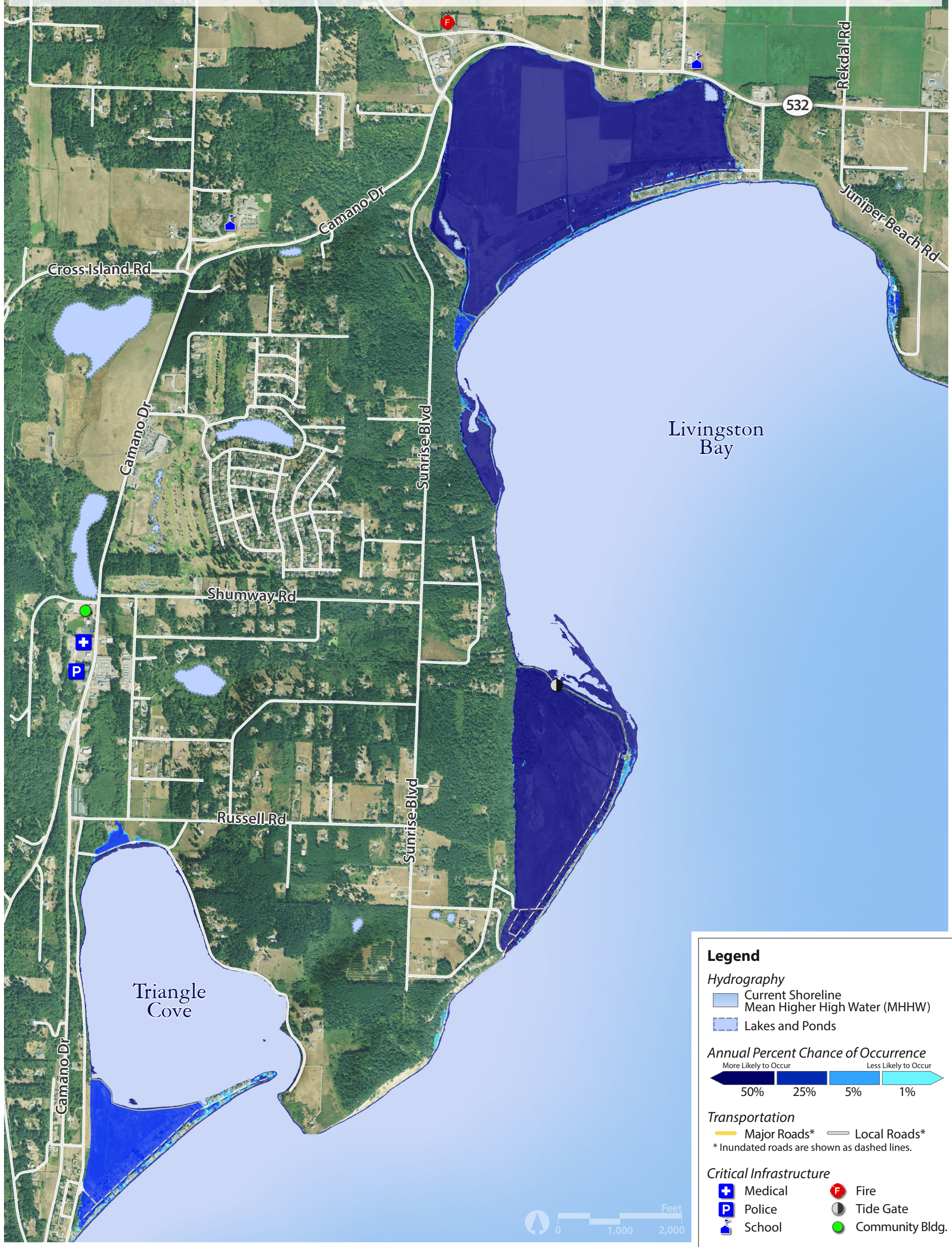


Notes

- Sea-level rise projections based on Kopp et al., 2014 (Probabilistic 21st and 22nd century sea-level projections at a global network of tide gauge sites) for RCP 8.5, and adjusted for vertical land movement.
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Annual Extreme Storm Flooded Areas in 2030 with Sea Level Rise, LIVINGSTON BAY

Combined Probabilistic Sea Level Rise Projections and Annual Extreme Coastal Flooding Probabilities



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 - Annual extreme flooding probabilities derived from historical data collected at nearby NOAA tide stations and do not take into account possible climate-related changes to storminess patterns.

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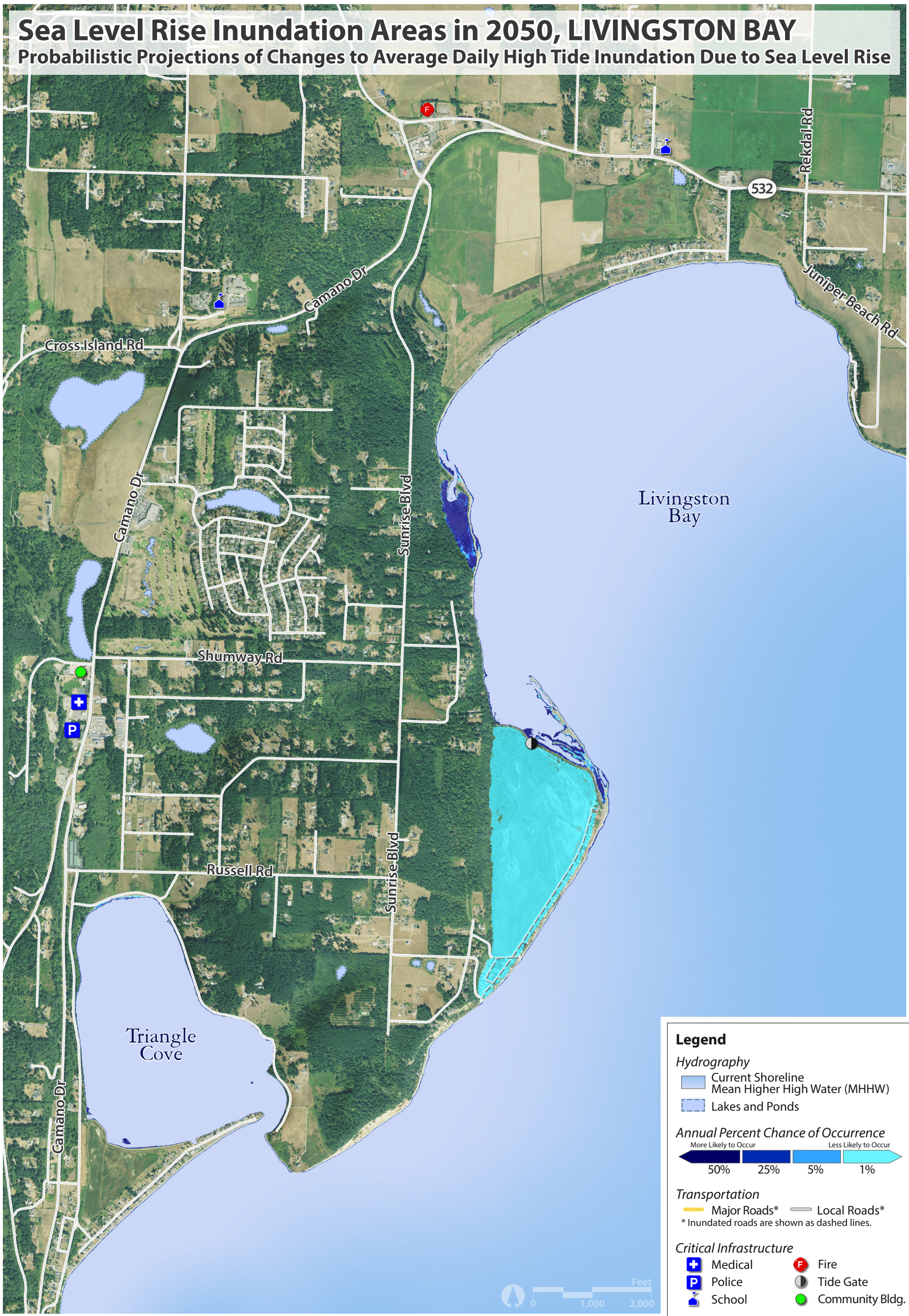


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Sea Level Rise Inundation Areas in 2050, LIVINGSTON BAY

Probabilistic Projections of Changes to Average Daily High Tide Inundation Due to Sea Level Rise

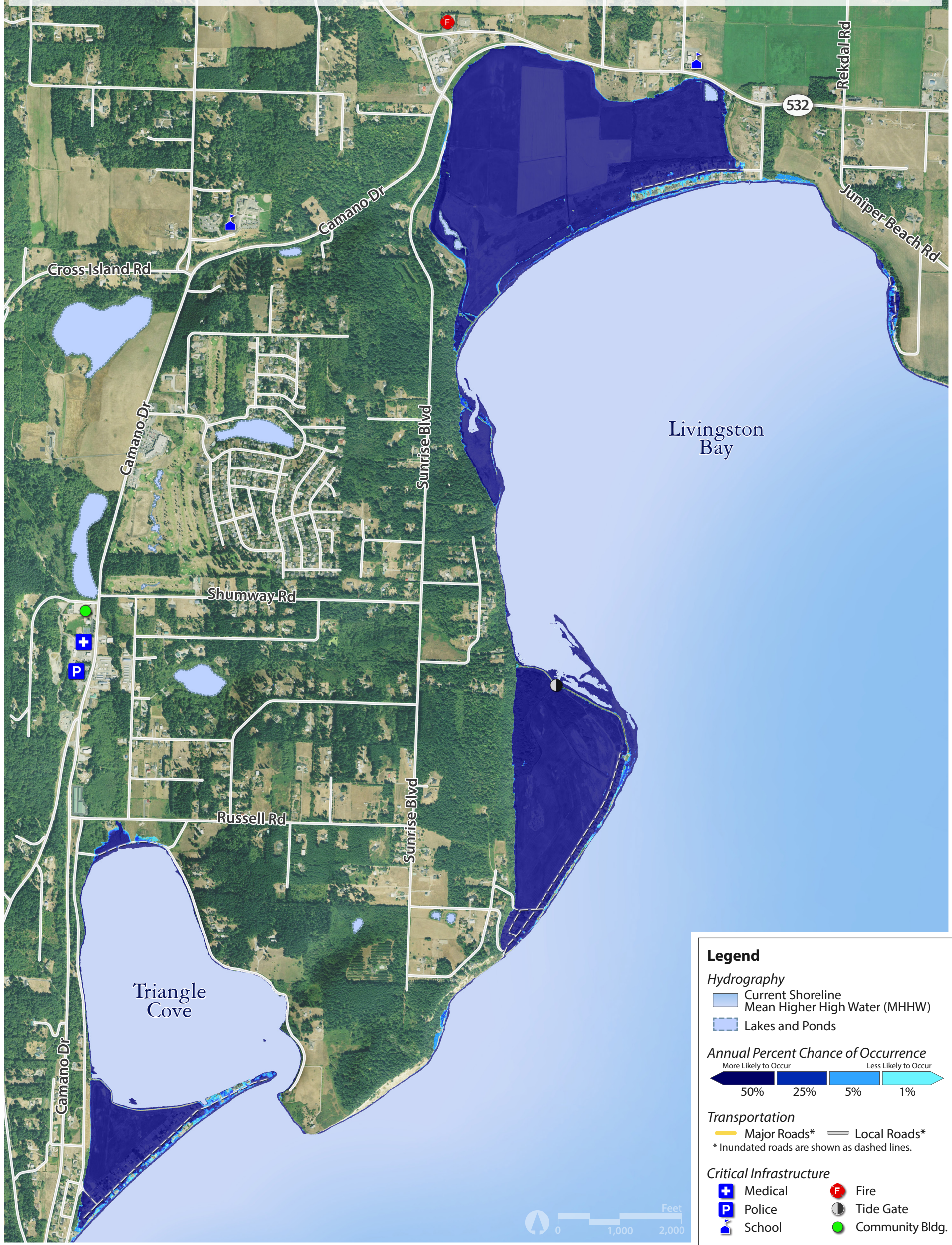


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Annual Extreme Storm Flooded Areas in 2050 with Sea Level Rise, LIVINGSTON BAY

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Sea Level Rise Inundation Areas in 2100, LIVINGSTON BAY

Probabilistic Projections of Changes to Average Daily High Tide Inundation Due to Sea Level Rise

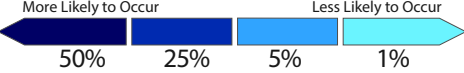


Legend

Hydrography

- Current Shoreline
- Mean Higher High Water (MHHW)
- Lakes and Ponds

Annual Percent Chance of Occurrence



Transportation

- Major Roads*
- Local Roads*

* Inundated roads are shown as dashed lines.

Critical Infrastructure

- Medical
- Police
- School
- Fire
- Tide Gate
- Community Bldg.

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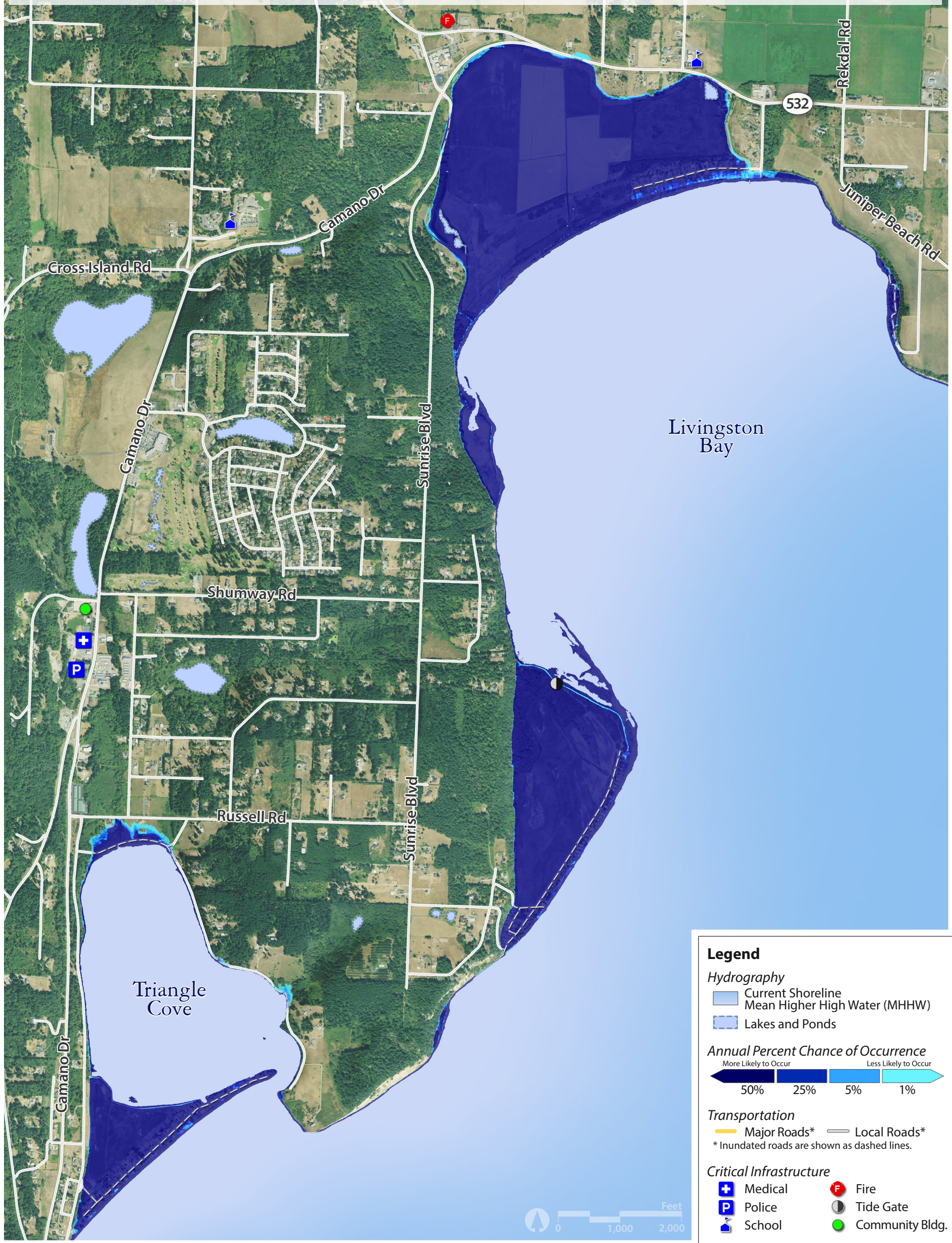


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Annual Extreme Storm Flooded Areas in 2100 with Sea Level Rise, LIVINGSTON BAY

Combined Probabilistic Sea Level Rise Projections and Annual Extreme Coastal Flooding Probabilities



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