



# SHORELINE ECOLOGICAL FUNCTION



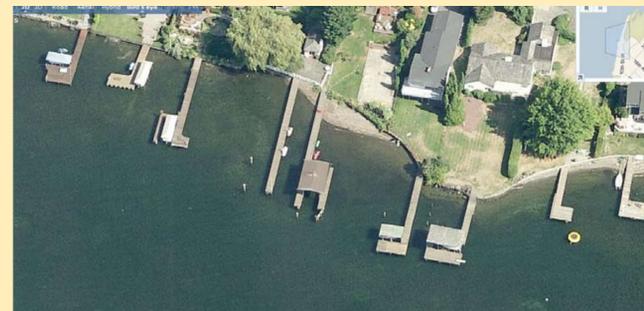
## Limiting habitat factors and impacts on Lake Washington

- The riparian shoreline of Lake Washington is highly altered from its historic state. Current and future land use practices all but eliminate the possibility of the shoreline to function as a natural shoreline to benefit salmonids;
- Introduced plant and animal species have altered trophic interactions between native animal species;
- The known historic practices and discharges into Lake Washington have contributed to the contamination of bottom sediments at specific locations;
- The presence of extensive numbers of docks, piers and bulkheads have highly altered the shoreline; and
- Riparian habitats are generally non-functional.

Source: Kervin, J. 2001. Salmon and steelhead habitat limiting factors report for the Cedar-Sammamish Basin (Water Resource Inventory Area 8.) Washington Conservation Commission. Olympia, WA



Segment B: Juanita Bay Wetlands



Segment C: Residential



Segment D: Marina Park

Kirkland Shoreline Ecological Function Scorecard		
Segment	Grade	Key Areas Needing Improvement
B Juanita Bay and Yarrow Bay Wetlands	High/Good	Improvements to fish passage and to mouth of Juanita Creek Improvements to overwater boardwalk at Juanita Beach Park Removal of invasive species
C Residential	Low/Poor	Improvements to nearshore vegetative cover Reduction or modification of shoreline armoring Reduction of overwater cover and in-water structures Reduction in impervious surface coverage
D Urban	Low/Poor	Improvements to nearshore vegetative cover Reduction or modification of shoreline armoring Reduction of overwater cover and in-water structures Reduction in impervious surface coverage

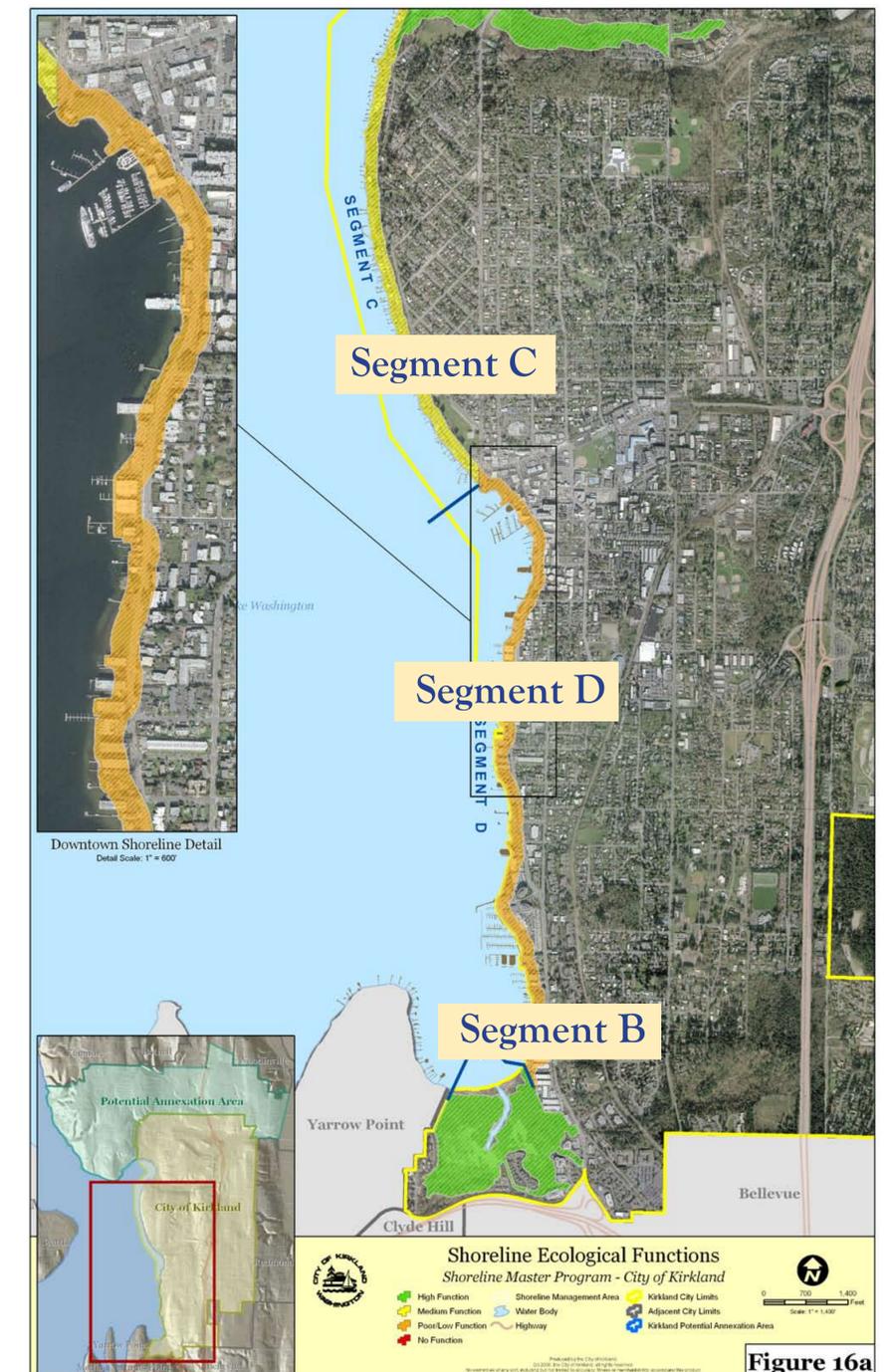


Figure 16a