

# Shoreline Modifications

# Marine Shoreline of Snohomish County

## Legend

### Shoreline Modifications

- Seawall
- Concrete Bulkhead
- Riprap
- Wooden Bulkhead
- Levee/Fill
- Boat Ramp

- County Boundary
- Major Roads
- Railroads
- Streams
- WRIA Boundary
- City Boundary
- Parks
- Incorporated Areas



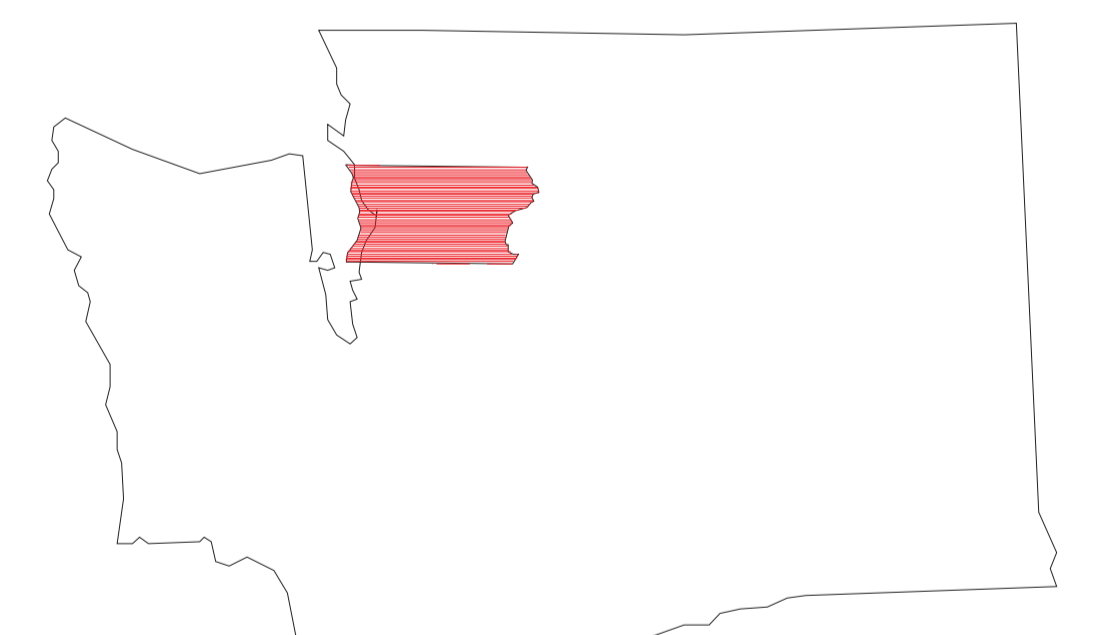
Waterfront development and railroads



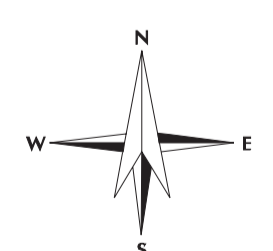
Bulkheading along beaches

## Shoreline Modification Information

- \* One third of Puget Sound's shorelines (approximately 800 miles) have been modified.
- \* Snohomish County has 72 miles of Puget Sound shoreline.
- \* Over 25 miles of the shoreline is modified with rock riprap to protect railroads.
- \* Riprap, concrete bulkheads, seawalls, dikes, docks and dredging can lead to direct habitat loss and disrupt natural beach formation processes.



Snohomish County, Washington



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Map Projection: State Plane North, Zone 5601, NAD 83, Units Feet  
 Source: Snohomish County 1:24k County Boundary, Roads, City Boundary  
 UGA Boundary, Parks, Hydrography (arc), DNR 1:24k Hydrography  
 Shoreline modifications data from WADNR Shoreline Inventory  
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