

## KING COUNTY SHORELINE MASTER PROGRAM

### Appendix E. Technical Appendix

#### LAKE FENWICK ADDENDUM (September 2007)

After consultation with the City of Kent, **King County proposes to add the currently unincorporated portion of the shorelines along Lake Fenwick to the King County shoreline jurisdiction.** Although several sources (Wolcott 1965 and Washington Department of Ecology geographic data) do not list the lake as meeting the 20-acre surface area standard, some data from the city indicates that when an adjacent wetland is included in the calculation, it rises above the threshold criterion. Lake surface estimates range from 17.7 to 20.9 acres, depending on the source of information.

The lake is partially located inside the urban growth boundary and included in the City of Kent potential annexation area. Therefore, including the unincorporated shorelines of the lake would make future inclusion in the city's master program more easily accomplished. Over half of the lake shoreline is already inside the city boundaries and will be included in their program update.

The shoreline was divided into 2 reaches: Fen1 is located along the east shoreline from the city boundary to the lake outlet; Fen2 is located along the west shoreline from the city boundary to the lake outlet. Comparisons with reaches from all other lakes in the County resulted in:

- assignment of **alterations analysis scores of High for Fen1 and Medium High for Fen2**, and
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- a **basin context score of Low**.

These scores combine to produce **restoration planning designations of "G" for Fen1 and "H" for Fen2.**

Lake Fenwick shorelines are in an area currently zoned R-4. Following the shoreline designation flowchart in Chapter 5, Shoreline Management, of the King County Comprehensive Plan, the shorelines of the lake would be assigned to the **designation of Residential Shoreline.**