



King County

Water and Land Resources Division

Department of Natural Resources and Parks

King Street Center

201 South Jackson Street, Suite 600

Seattle, WA 98104-3855

206-296-6519 206-296-0192 Fax

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JAN 31 2007

**CITY OF
LAKE FOREST PARK**

January 29, 2007

Stephen Bennett
City of Lake Forest Park Planning Department
17425 Ballinger Way NE
Lake Forest Park, WA 98155

Dear Mr. Bennett,

Enclosed are a revised draft of King County's Shorelines Technical Appendix (December 2006) and a summary and map of shoreline characterization model results for your city.

As you know, King County is analyzing the current conditions of major shorelines in the unincorporated area. Results of this analysis will support work in 2007 to update the County's Shoreline Master Program, as required under the Shoreline Management Act.

The Shorelines Technical Appendix describes the methodologies used to evaluate current shoreline conditions and presents revised draft results. Topics of analysis include ecological processes and functions, public access, land use and archaeological and historic resources. Refined approaches to cumulative impact analysis and restoration planning are also proposed in the document.

We conducted specific analysis of your city's shoreline ecological processes and functions, per your request, using the shoreline characterization model.

Please feel free to contact me with any questions or concerns. If you would like to comment on this work, please send your feedback to me by February 28.

Thanks very much.

Sincerely,

Jill Moe

King County

201 South Jackson Street, Suite 600

Seattle, WA 98104-3855

jill.moe@metrokc.gov

206-263-6057

Summary of King County Shoreline Characterization Results – Cities Requesting Information on Existing Ecological Shoreline Conditions

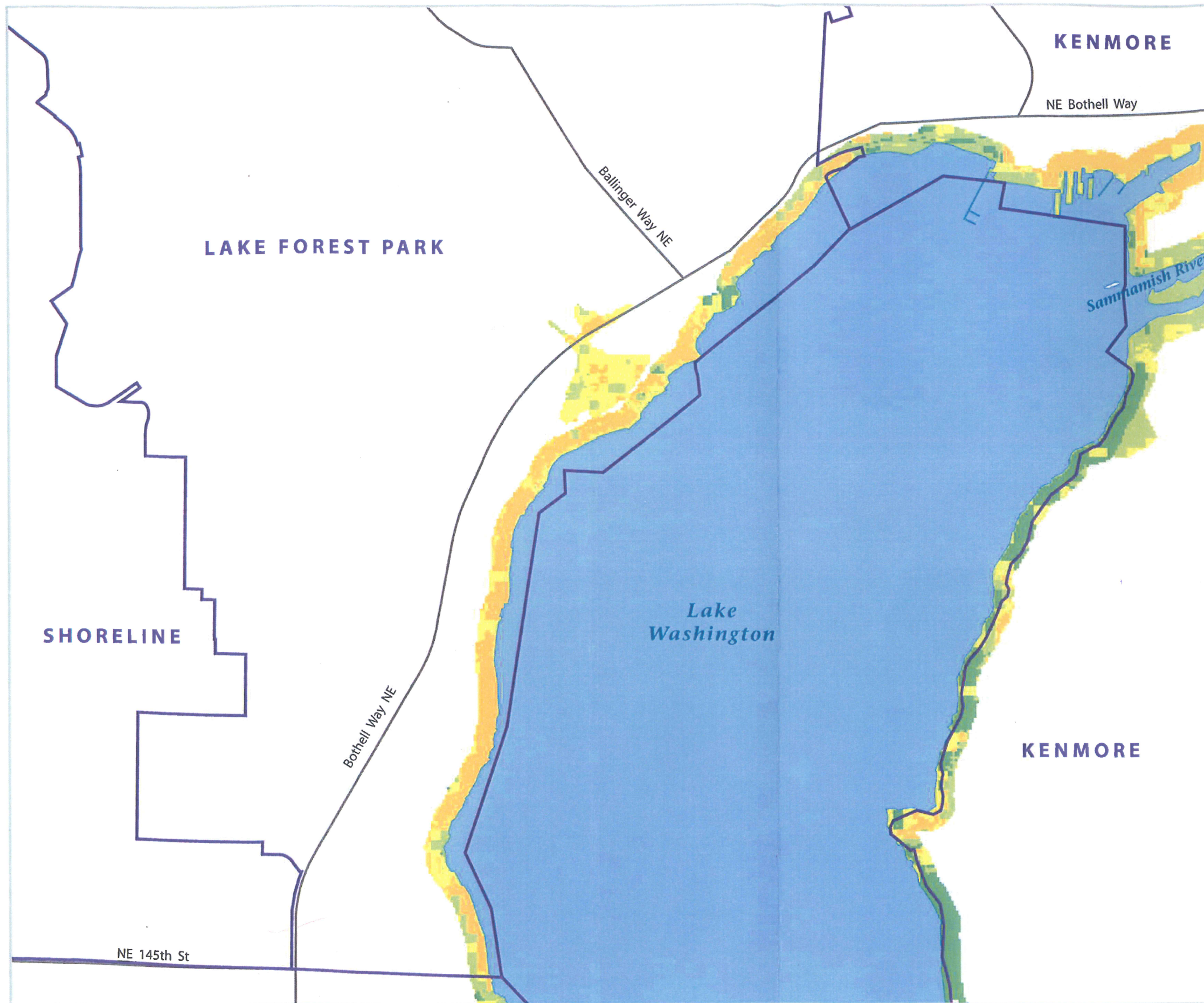
December 2006

Please refer to the King County Shorelines Technical Appendix (December 2006) for a comprehensive description of the model and guidance on how to interpret the results (pages 2-43 – 2-44). The table below shows the shoreline characterization results, in summary, for each city that requested King County information on existing ecological shoreline conditions. Average ratings by process and shoreline type are listed first; these ratings apply to the entire shoreline jurisdictional area within each city. The last section of the table indicates the percentage of pixels that were rated low to high within each shoreline area.

Ecological Process	Average Lake Shoreline Ratings				Average River Shoreline Ratings			
	Lake Forest Park	Kirkland	Kirkland PAA	Snoqualmie	Duvall	Carnation	Snoqualmie	North Bend
Light Energy	MEDIUM LOW	MEDIUM	MEDIUM LOW	N/A*	MEDIUM HIGH	MEDIUM HIGH	MEDIUM HIGH	MEDIUM HIGH
LWD	MEDIUM LOW	MEDIUM LOW	MEDIUM LOW	MEDIUM	MEDIUM HIGH	MEDIUM LOW	MEDIUM HIGH	MEDIUM
Nitrogen	MEDIUM HIGH	MEDIUM HIGH	MEDIUM HIGH	MEDIUM HIGH	MEDIUM HIGH	MEDIUM HIGH	MEDIUM HIGH	MEDIUM HIGH
Pathogens	MEDIUM HIGH	MEDIUM HIGH	MEDIUM HIGH	MEDIUM HIGH	MEDIUM HIGH	HIGH	MEDIUM HIGH	MEDIUM HIGH
Phosphorus	MEDIUM LOW	MEDIUM	MEDIUM	MEDIUM HIGH	MEDIUM	MEDIUM HIGH	MEDIUM HIGH	MEDIUM HIGH
Sediment	MEDIUM	MEDIUM	MEDIUM	MEDIUM HIGH	MEDIUM HIGH	MEDIUM	MEDIUM HIGH	MEDIUM HIGH
Toxins	MEDIUM LOW	MEDIUM HIGH	MEDIUM LOW	MEDIUM HIGH	MEDIUM HIGH	MEDIUM HIGH	MEDIUM HIGH	MEDIUM
Hydrologic cycle	MEDIUM LOW	MEDIUM	MEDIUM LOW	MEDIUM HIGH	MEDIUM	MEDIUM	MEDIUM	MEDIUM
Wave Energy	MEDIUM LOW	MEDIUM	MEDIUM LOW	N/A*	N/A	N/A	N/A	N/A
Percent of pixels in each rating category:								
Low	0.0	0.1	0.0	0.2	0.0	0.2	0.0	0.0
Medium Low	51.3	27.9	38.1	1.7	0.7	11.3	5.1	9.2
Medium	35.5	10.0	32.1	10.1	8.4	30.8	16.4	20.6
Medium High	11.5	54.5	16.0	27.7	71.0	34.4	38.2	38.7
High	1.7	7.5	13.9	60.4	19.9	23.3	40.3	31.4

* Process applies only to 1st shoreline pixel which does not fall within the Snoqualmie Lake SMP area

Maps showing model results for the unincorporated area and electronic versions of all materials presented in the King County Shorelines Technical Appendix may be viewed at www.metrokc.gov/shorelines. Please contact Jill Moe with any questions (jill.moe@metrokc.gov or 206-263-6057).



DRAFT

Lake Forest Park, Washington

King County Shoreline Characterization Model Results 1/19/07

Reach Quality

- Low (0-20%)
- Medium/low (20-40%)
- Medium (40-60%)
- Medium/high (60-80%)
- High (80-100%)

- Other Water bodies
- Incorporated Areas
- Other Major Streams
- Major Road



0 1,000 2,000 Feet

1/19/07

Notes:

Please refer to www.metrokc.gov/shorelines <http://www.metrokc.gov/shorelines> for a full description of the analysis methodology and interactive mapping tools that allow users to view specified shoreline areas in more detail.

The information included on this map has been compiled by staff from a variety of sources and is subject to change without notice. This map has been developed for planning purposes only. King County makes no representations or warranties, express or implied, as to accuracy, completeness, timeliness, or rights to the use of such information. King County shall not be liable for any general, special, indirect, incidental, or consequential damages including, but not limited to, lost revenues or lost profits resulting from the use or misuse of the information contained on this map. Any sale of this map or information on this map is prohibited except by written permission of King County.

Produced by:

DNRP/WLRD
GIS, Visual Communications & Web Units

File Name:

0701_SMP_LFP.ai LPRE



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