

Update on Lake Sammamish Kokanee Conservation Efforts

*A Presentation to for the WRIA 8 Salmon Recovery
Council*

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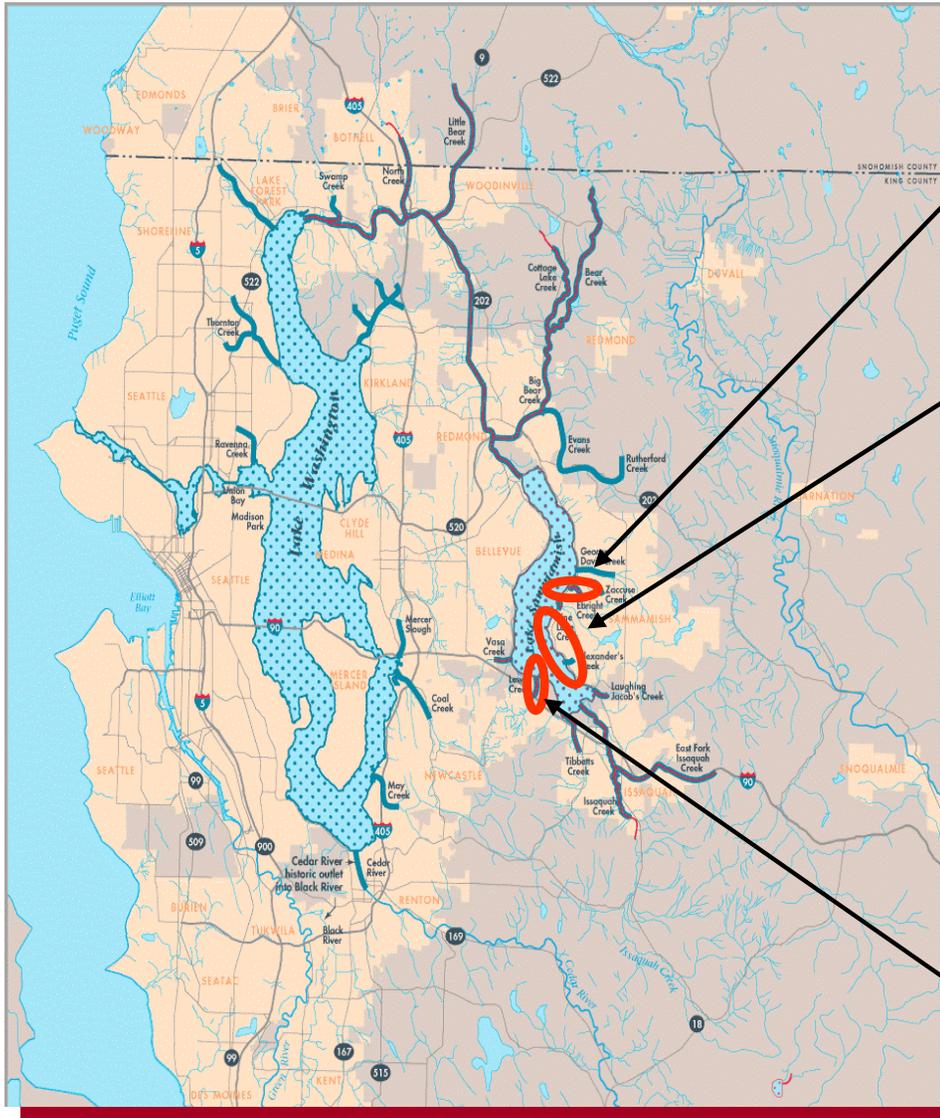
July 16, 2009

Lake Sammamish Kokanee Work Group

- *Local collaboration formed in 2007 to focus on kokanee conservation*
- *Includes each local government, state and federal agencies, non-governmental conservation groups, and citizens*
- *Activities very constrained by funding limitations*



Historic and Current Local Distribution



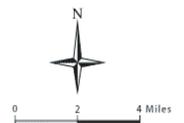
Ebricht Creek

Lake & shoreline

HISTORIC AND CURRENT KOKANEE DISTRIBUTION in the Lake Washington Basin

- Historic Kokanee Distribution in Stream or River
- Historic Kokanee Distribution in Lake
- Current Kokanee Distribution in Stream or River
- Current Kokanee Distribution in Lake

- Road
- River/Stream
- Lake
- Incorporated Area
- Unincorporated King County



April 2002
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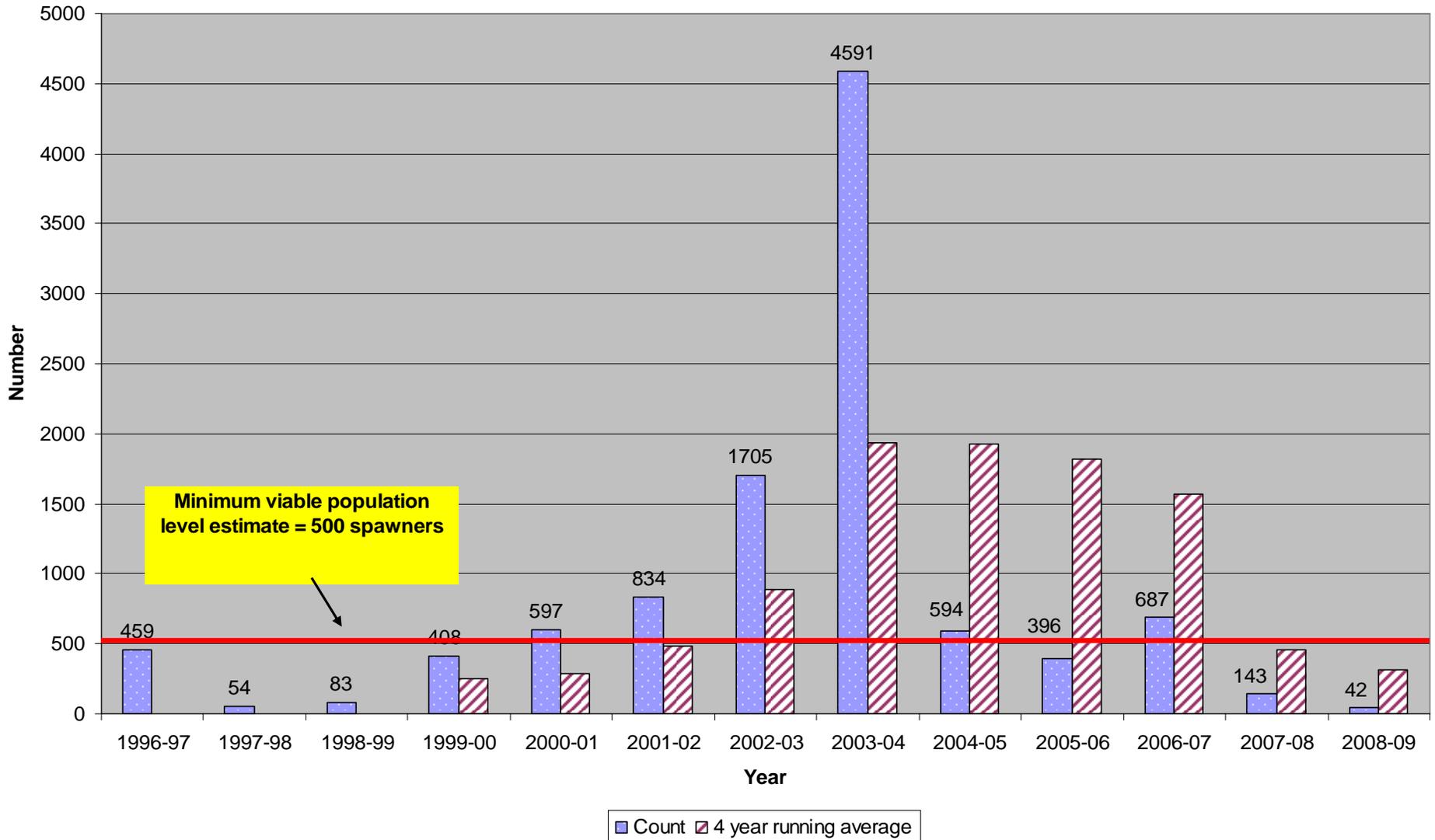


Sources: King County WRIA 8 Kokanee Distribution Map, May 2001; Historic and Current Status of Kokanee in the Lake Washington Basin, March 2000.

Lewis Creek

Current Kokanee Abundance Trend

Kokanee Spanwer Counts



2008 Kokanee Limiting Factors Study Findings

- *Supplementation is needed immediately*
- *Preliminary signals of hydrologic impacts*
- *Potential for problems from predation*
- *Climate change could compound problems*
- *Must improve our data for effective management*

Kokanee Conservation Goal

“Prevent the extinction and improve the health of the native kokanee population such that it is viable and self-sustaining, and then supports fishery opportunities”



Photo by Tim Rains, US Forest Service

Kokanee Conservation Priorities

Tier 1:

- *Implement aggressive artificial propagation program*
- *Correct habitat conditions causing mortality or limiting habitat access*
- *Protect existing intact habitat areas at near term risk of damage or conversion*

Tier 2:

- *Do the science to improve certainty of actions*
- *Protect, improve or restore habitat*
- *Build and maintain public awareness and support*

Immediate Conservation Focus

- *WDFW developing 2009 supplementation program*
- *KWG submitting project application to KCD for habitat project feasibility analysis*
- *KWG providing input to Shoreline Master Program updates*
- *Volunteer development of educational brochure*
- *Tagging study on Lake Sammamish*
- *Complete long term conservation strategy*
- *Increase access to funding*

Successes!

- *Consistent engagement of diverse interests*
- *Adopt-a-Kokanee Program by TU*
- *Kokanee Tagging Study*
- *Educational brochure*