



STATE OF WASHINGTON

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August 24, 2006

TO: SRFB Members and Designees
FROM: Laura Johnson, Director *LJ*
PREPARED BY: Bruce Crawford, Monitoring Program Manager
SUBJECT: Watershed Health and Salmon Recovery Monitoring Framework

Early in 2004, the SRFB adopted a statement supporting the need for large-scale habitat status and trend monitoring.

At the October 28, 2004 meeting the SRFB heard a presentation by the Departments of Fish and Wildlife and Ecology presenting options for funding statewide status/trend monitoring. The Board set aside approximately \$300,000 of Round 5 money for possible use for status/trend monitoring until the Governor's Forum on Monitoring (Forum) could review monitoring needs at their February 2005 meeting.

On February 2, 2005, the Forum reviewed the proposal and decided to make no recommendation to the SRFB until they had convened a workshop to review all of the large scale indicators used by Washington in the "State of the Salmon Report" and to review the ongoing state, federal, and local monitoring efforts to determine their utility in monitoring habitat and water quality status/trends before recommending funding for any new monitoring to the SRFB.

On April 14, 2005, a report of the Forum workshop actions and recommendation was provided to the SRFB. The Forum had recommended funding a status/trend monitoring framework for the state that incorporates local, state, tribal, and federal efforts. The framework would include:

- Statewide statistically valid sampling framework of sampling locations per EMAP protocol. It would include wadeable and non-wadeable streams and the sampling design would answer status/trend questions at the statewide, Salmon Recovery Region, and WRIA scale if fully implemented;
- Identified county, tribal, and local partners where local monitoring efforts can be accommodated into the statewide design;



- Sampling design with 30 sampling stations per domain and an approximate certainty of 80 percent;
- Incorporating remote sensing so that land use and land cover can be compared and tracked with ground measurements;
- Drawing from U.S. Forest Service experience, utilize the most responsive indicators at appropriate time intervals, and;
- Develop a strategy that maximizes the use of volunteers.

The SRFB acknowledged the report, but asked for a more detailed written proposal with costs identified to develop the framework.

At the July 18, 2005 meeting, the SRFB approved the framework proposal and authorized the director to contract with the Department of Ecology up to \$300,000 for construction of a status-trend monitoring framework.

The September 12, 2006 presentation is the report to the SRFB on the completion of that contract.