**Potential Goals and Objectives for Spokane DO TMDL 10-Year Assessment**

**Goals**

“*The 10-Year Assessment demonstrates improvement in DO in Lake Spokane* (1)” and in the Spokane River.

(1)Spokane River and Lake Spokane DO TMDL - Water Quality Improvement Report, February 2010 (p. viii)

To perform a data-based, objective review of monitoring information to assess current phosphorus and other nutrient concentrations.

To evaluate the response of the Spokane River and Lake Spokane to nutrient reduction/ dissolved oxygen improvement actions in comparison with TMDL targets and determine what, if any, actions need to be adjusted, continued, or added.

**Objectives**

* Trend Analyses indicate increases in DO and decreases in Phosphorus in Lake Spokane and at the Riverine Compliance point in Spokane River.
* Trend Analyses indicate decreases in Phosphorus at Washington-Idaho state line.
* Measured improvement in biological response (SRSP will provide more detail later)
* Improved trophic state index
* Compare historic Soltero data (and data from other studies) to current data and current studies (eg., phytoplankton, zooplankton assemblages) to see improvement.
* Are designated uses as defined in the TMDL being met?
* Meet wasteload allocations and load allocations.
* Determine the relative magnitude of inter-annual variability in Lake Spokane nutrient loads and DO concentrations versus observed water quality improvements
* Conduct water quality sampling investigations and gather existing and historical data to determine current phosphorus and nutrient concentrations.
* Assess current conditions in the Spokane River and Lake Spokane, including the gain and loss of total phosphorus within the system from the state line to Long Lake Dam.
* Use existing tools such as the PSU Spokane River and Lake Spokane CE-QUAL-W2 model, or analysis methodologies to determine if Lake Spokane dissolved oxygen levels have improved in the years since the TMDL was approved.