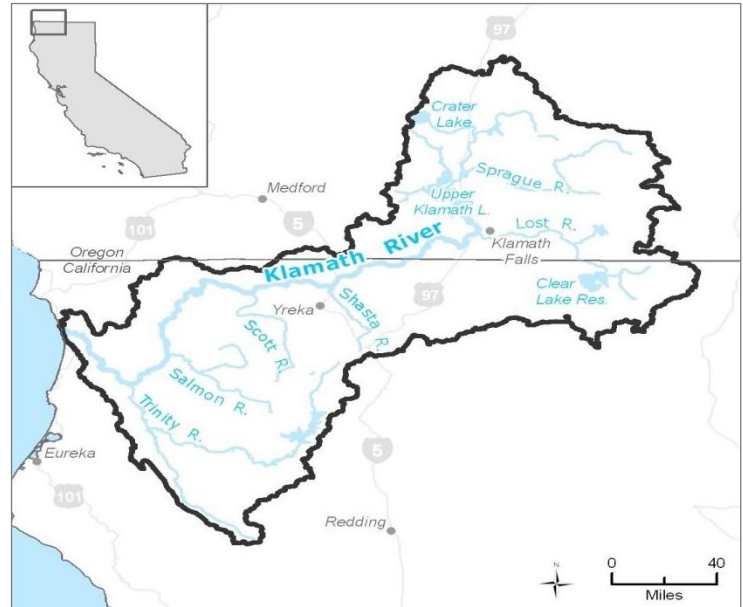


Total Maximum Daily Load Progress Report		Klamath River Nutrient, Dissolved Oxygen, and Microcystin Impairments TMDLs	
Regional Water Board	North Coast, Region 1	STATUS <input type="checkbox"/> Conditions Improving <input checked="" type="checkbox"/> Data Inconclusive <input type="checkbox"/> Improvement Needed <input type="checkbox"/> TMDL Achieved/Waterbody Delisted	
Beneficial uses affected:	COLD, CUL, REC-1 and 2, others		
Pollutants addressed:	Nutrients, DO, Microcystin		
Implemented through:	MOA, NPS Permits , KHSA		
Approval date:	December 28, 2010		

TMDL Summary

The [Klamath River TMDLs](#) were developed and are being implemented through memorandums of agreements with Oregon Department of Environmental Quality and U.S. EPA Regions 9 and 10. A comprehensive basin-wide approach addresses nutrient-related impairments common to areas in both Oregon and California. The primary sources of nutrient and organic matter loading are in Oregon, and results from the conversion of wetlands and marshes to agriculture, and changes in Upper Klamath Lake (UKL). Nutrient loads from UKL are generated from sediments derived from legacy land uses; these internally-generated nutrient loads drive massive algal blooms, which then pass downstream creating poor water quality conditions, including low dissolved oxygen (DO) and microcystin impairment. Therefore, the focus of implementation actions is to reduce nutrient and organic matter in Oregon through large-scale projects such as strategically-placed treatment wetlands, sediment sequestration of nutrients (UKL), and organic matter removal. The Klamath River TMDLs use the Klamath Tracking and Accounting program to track progress basinwide and to promote the sale of pollutant reduction credits.

Klamath River Watershed



Coordinated Implementation Actions Underway

- Through the [Klamath Basin Monitoring Program](#), over 50 member organizations voluntarily perform basinwide coordinated monitoring with common quality assurance, protocols, and data management.
- Development of the [Klamath Tracking and Accounting Program](#), an independent project registry and certification with option for sale of pollutant reduction credits.
- The Klamath Hydroelectric Settlement Agreement Interim Measure 10 Water Quality Workshop produced a 30% design planning document for large-scale pollutant reduction projects in the upper Klamath Basin.
- Develop Klamath Hydroelectric Settlement Agreement Interim Measure 11 Water Quality Pilot Projects, a series of studies and pilot projects that will inform the selection of future innovative water quality improvement projects (e.g., treatment wetlands).
- Develop North Coast Regional Water Quality Control Board [Agriculture Discharge Permitting Program](#).
- Coordinate [Klamath Health Fish Assessment Team](#) activities.
- Implement forest land (federal and private) permit programs.
- Implement County Roads waiver program.

Klamath River Nutrient Loading and Allocations at CA / OR Stateline

