

Shasta River TMDLs
Technical Advisory Group

August 18, 2003

TMDL Monitoring Efforts Completed to Date

Task 1: DO Measurements

- Continuous measurement at 4 stations; mid-April through September
- Continuous measurements at 6 locations for 2 to 3 days; June, July, August.
- Spot measurements at 12 locations once in June and July.

Task 2: Sediment Oxygen Demand Study

- Sediment oxygen demand and biological oxygen demand measurements at 6 locations in August

Task 3: Characterization of Natural Background Levels of Nutrients

- Nutrient sampling at 7 locations once in June and July.

Task 4: Irrigation Return Flow Monitoring

- Sampled return flows for nutrients, BOD, TSS, TDS at 5 locations in June and at 8 locations in July.

Task 5: Wastewater Disposal Source Identification

- Sampled upstream and downstream of Yreka, Montague, and Weed disposal fields/ponds for nutrients, BOD, TSS, TDS once in June and July.

Task 7: Parcel Tracking Study

- Sampled nutrients, BOD, TSS, TDS, and Chl a at 8 locations once in June.
- Sampled nutrients, BOD, TSS, TDS, and Chl a at 8 locations for two consecutive days in August.

Temperature monitoring

- Continuous temperature monitoring at 15 locations mid-June through October.

Additional Monitoring Planned

- Continuous DO measurements at 6 locations for 3 days in September.
- Background nutrient sampling at 7+ locations in September and October.
- Wastewater disposal bracketing of Yreka, Montague and Weed in September and October.
- Irrigation return flows sampling at 8+ locations in September.
- Lake Shastina profile study in September.
- Photosynthesis / respiration measurements in August.

Data Gaps

- Background nutrient sampling of Big Springs Creek.
- Background nutrient sampling of springs in Parks Creek and Little Shasta River drainages.
- Irrigation return flow sampling.

Data Quality Control

- Klamath River Basin TMDLs Quality Assurance Project Plan