

California School-based Water Quality Monitoring Activities 2002-03

Summary

Number of Students: 105

Number of Volunteers: 32

Parameters Sampled: temperature, pH, dissolved oxygen, turbidity

QAPP Used: California Clean Water Team Quality Assurance Project Plan

SWEP implemented a day long Science Day with 140 6th graders and 10 volunteers at NTMS. It included stream monitoring (sampling temperature, pH, dissolved oxygen, turbidity) and planting native grasses along with helping the TCPUD re-stake trees planted last year and improve the wells around them. Students also participated in journaling and making visual observations.

Trout Creek Water Quality Monitoring and Mapping-60 students and 6 volunteers performed and recorded data of water quality monitoring. Parameters included: temperature, pH, dissolved oxygen, turbidity. Additionally students analyzed the stream profiles and took readings on topographic features of the riparian area. Students also participated in journaling and making visual observations.

2 Truckee High school students participated in a summer internship with local water quality experts to learn about various career fields in watershed management, as well as offer service time to assist with monitoring both water chemistry and aquatic habitats. Students measured temperature, pH, dissolved oxygen, turbidity and visual observations and worked with TRAM on macro-invertebrate sampling in the Truckee River.

SWEP assisted 17 Kings Beach elementary school students and 3 volunteers to monitoring Griff Creek. They performed water quality tests for temperature, pH, dissolved oxygen, turbidity and visual observations. Students also participated in journaling and making visual observations.

60 Donner Trail elementary school students participated in a watershed study and restoration project. 10 volunteers assisted with measuring temperature, pH, dissolved oxygen, turbidity and visual observations. Students also participated in journaling and making visual observations.

Truckee High School class volunteered at Truckee River Day, an annual community restoration event attracting over 500 volunteers to clean-up, restore and learn about the Truckee River.

30 Meyers Elementary school students participated in Jiminy Cricket's Environmental Challenge with Tahoe Resource Conservation District staff. They performed water quality tests, including: temperature, pH, dissolved oxygen, turbidity and visual observations as well as habitat assessments and stream reach surveys. Students also participated in journaling and making visual observations in addition to creating a website, PowerPoint presentation and tutoring elementary aged students in what they learned.