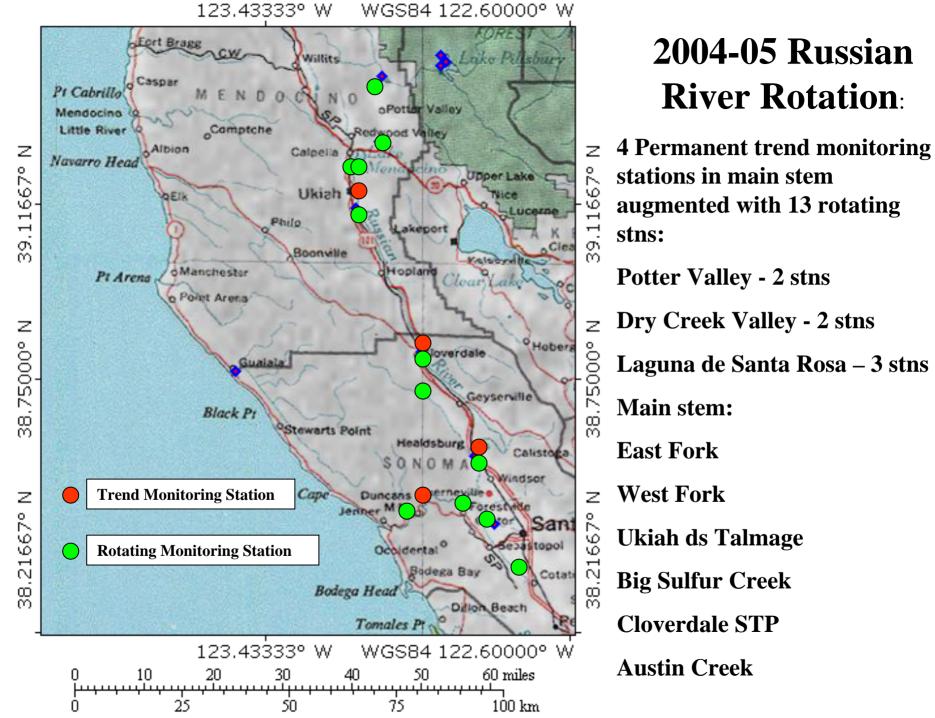


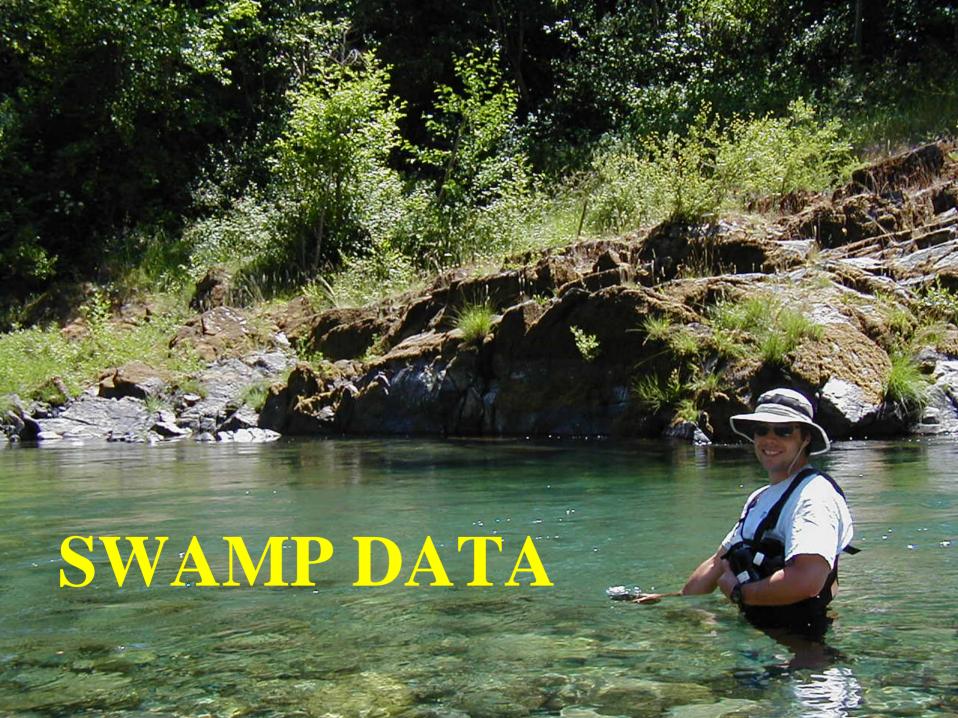
## R-1 SWAMP in FY03-04 Watershed Assessment

- Russian River Watershed Rotation
- Maintain four existing permanent stations on main stem
- Add thirteen rotating stations including:
- Nine tributary stations
- Four main stem stations



# R-1 SWAMP in FY03-04 Other Activities

- Continue to fund 0 &M for three Eel River stream gages
- Fund final phase of North Coast IBI study
- Continue EDC sampling and method development in collaboration with R-5, U. C. Davis Aquatic Foxicalogy Laboratory and U. S. EPA



#### **Data Users**

NCRWQCB – Planning (SCWA contract), TMDL (Shasta, Scott and Klamath Rivers), Core Reg (Russian River)

SCWA – Interbank Filtration Study with USGS Karuk, Yurok and Hoopa Tribes

Inter Agency/InterTribal Klamath Fish Die-off Group

U. S. EPA, Region IX, Nutrient Criteria Development

National Park Service - Redwood National Park

**Sotoyome Resource Conservation District** 

#### **Shasta River Data Collection**

- In support of TMDL development
- Physical parameters (DO, temp., SC, pH)
- Nutrient suites (N, P) and related parameters
- Temperature
- Riparian conditions
- Aquatic plant communities
- Substrate
- Sediment Oxygen Demand (SOD)

#### Klamath River Data Collection

- In support of TMDL development
- Integrated with SWAMP program
- Physical parameters
- Nutrient suites and related parameters
- Aquatic plant communities
- Estuary bathymetry and water quality profiles
- Reservoir profiles
- Temperature

### **Lost River Data Collection**

- In support of TMDL development
- Supported by SWAMP program staff
- Physical parameters
- Flow and channel geometry
- Nutrient suites and related parameters
- Aquatic plant communities

#### **Elk River Data Collection**

- In support of TMDL development
- Cooperative and regulatory landowner monitoring
- Instream Parameters: V\*, McNeil Bulk Sediment, Pebble Counts, Turbidity, Suspended Sediment Concentration, Stream Flow, Cross-Sections
- Sediment Source Assessment: Landslides, Roads, Streamside Sources
- Landslide Hazard Map Development
- Flooding Assessment

#### North Coastal Streams Macroinvert Reference Site Study Update

- Three large datasets: EMAP, US Forest Service, and CDFG combined
- North coast watershed boundaries delineated for 150 sites
- Quantitative criteria established to define candidate reference sites
- Identified 26 candidate sites (plus some alternates)
- 30 Candidate sites sampled in August of 2003
   25 appear to be good reference sites

### Next Phase

- Combining datasets
- Screening for regionally specific metrics
- Multivariate ordination Decide on single IBI or stratification by elevation, subecoregion or watershed area
- Repeat sampling study true reach scale replication (side-by-side assessment at selected sites)
- Write the paper...