Laguna Science Symposium
March 29 & 30, 2007
Cooperage, Sonoma State University

Friday, March 30, 2007
Focus on Laguna de Santa Rosa watershed

9:00 Welcome & Meeting goals

9:10 Water Quality:
Characterizing the impacts of the 2006 New Year's flood in the Laguna de Santa Rosa floodplain, Sonoma County, CA
  Lorraine E. Flint, Jennifer A. Curtis, and Alan L. Flint (U.S. Geological Survey, Sacramento, CA)
Land use modeling of non-point source nutrient input using remote sensing
  Chris Potter (NASA/AMES), Seth Hyatt (CSU Monterey Bay)
Laguna de Santa Rosa Total Maximum Daily Loads and Conceptual Model Development
  Process and Status
    Matt St. John (NCRWQCB)
Laguna de Santa Rosa: Initial Conceptual Model Development
  Water Quality  Clayton Creager (Tetra Tech, Inc), Limin Chen  (Tetra Tech, Inc)
  Hydrology & Sedimentation  Betty Andrews (PWA), Setenay Bozkurt (PWA)
  Ecosystem  Joe Honton (Laguna Foundation), Christina Sloop (Laguna Foundation)

10:25 Break

10:40 Invasive species
Ludwigia control in the Laguna: progress and challenges
  Julian Meisler (Laguna Foundation)
Effective Mosquito Suppression Through Vegetation Management
  Ron Keith (Marin/Sonoma Mosquito and Vector Control District)
Origin and mechanisms of spread of invasive Ludwigia species in freshwater wetlands of California, as revealed by molecular markers
  Miki Okada (UC Davis)
Methods for Quantifying Invasive Plant Populations in the Laguna
  Amber Manfree (Laguna Foundation/UC Davis)

11:40 Wetland Biodiversity:
Distribution and abundance of the invasive Louisiana crayfish (Procambarus clarkii) and its relationship with the invasive Ludwigia sp. in the Laguna de Santa Rosa
  Mara Evans (UC Davis)
Distribution and Habitat use of Western Pond Turtles in a Summer Impounded River
  David Cook (SCWA)
Amphibian Decline and Environmental Context: Proposed Research into Links Between Water Quality, Invasive Species and Disease
  Laura Saunders (SSU)

12:25 Lunch

1:15 Restoration and Conservation
Riparian Revegetation Effectiveness and Restoration Trajectory on North Coast Ranches
  Michael Lennox (UC Davis Cooperative Extension)
Restoring creeks in an urban area –challenges and opportunities
  Sheri Emerson (City of Santa Rosa)
Development of a Biodiversity Conservation plan for Sonoma County
  Caitlin Cornwall (Sonoma Ecology Center) & Karen Gaffney (Westcoast Watershed)
2:00 Prospective research directions panel-style:
Caroline Christian (SSU) – Conservation planning
Adina Merenlender (UC Berkeley) – Ag/wildland interface/ mammals
Tom Robinson (SCAPoSD) - Conservation planning in the Laguna
Peter Otis (NCRWQCB) – Fish, wetland studies
Tom Gardali (PRBO) - Laguna Birds
Rebecca Lawton (SEC) – Sonoma Creek Watershed research

3:00 Break

3:15 Group discussion: Establish a focused long-term Laguna research plan

4:30 Closing remarks

4:40 Mixer at the University Club (Short walk across campus – maps available)