

# **APPENDIX T1**

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## **Resume of Virginia Dains**

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**VIRGINIA DAINS**  
**Biological Resource Consulting**  
3371 Ayres Holmes Road, Auburn CA 95603  
530-888-9180 / 888-9022 fax / geobot@jps.net

- ◆ Vegetation mapping
- ◆ Interpretation of soils and geologic mapping and aerial photography
- ◆ botanical surveys
- ◆ ecological research
- ◆ wetland delineation

**EDUCATION**

M.S. Biology (Plant Ecology), 1992, California State University, Sacramento, Thesis Topic: "The Water Relations of *Alnus rhombifolia*"

B.S. Biology (Field Biology), 1978, California Polytechnic State University, San Luis Obispo

**EXPERIENCE** Biological Consulting contracts since 1979 include:

**Special-status plant surveys** through California and western Nevada. These projects were conducted for state, federal or private concerns and included field mapping, mitigation measures, and conservation guidelines. Field research for Nevada Natural Heritage Program was conducted for five candidate plants from northern and western Nevada. A Habitat Relations Study was conducted for Contra Costa Goldfields in Solono County.

**Riparian vegetation mapping, quantitative sampling, and interpretation** in relation to streamflow reductions in the Sierra Nevada for Pacific Gas & Electric and Southern California Edison, including research on physiological responses of key riparian shrubs and trees. Research report on riparian vegetation response to reduced streamflow on Putah Creek, Yolo County.

**Expert witness** on riparian vegetation along the lower American River, Sacramento County before the State Water Resources Control Board staff; **Impact assessment** for Calabasas Creek Flood Control Project, Santa Clara County; **Riparian Revegetation** planting and monitoring guidelines for Placer County.

**Wetland Management Plans** for County of Sacramento, Environmental Planning. Reviewed proposed wetland management plans, recommendations, and mitigation monitoring guidelines.

**Wetland delineations** in riparian, seasonal wetland, vernal pools, alkaline, mountain meadow, seeps and discharge wetland habitats in California and Nevada. **Wetland delineation training** assistant for U.S. Army Corps of Engineers training classes, Sacramento. **Instructor for Wetland Plant Identification** for EPA San Francisco District class and US Fish and Wildlife Service, Sacramento, classes. **Wetland mitigation** design and implementation including construction monitoring, and construction of experimental vernal pools. **Wetland function and value assessment:** "WET 2" analysis meeting Caltrans requirements.

**Other Experience:** 2 years Forage Inventory for BLM and Nevada Cattlemans Association, Leader for 2 Jepson Herbarium Weekend workshops on Vernal Pools, Backcountry Naturalist for The Nature Conservancy tours in the John Muir Wilderness; Mt. St. Helens plant succession researcher.