

Nicholas F. Bonsignore, P.E.
Robert C. Wagner, P.E.
Paula J. Whealen
Henry S. Matsunaga

David H. Peterson, CEG, CHG
David Houston, P.E.
David P. Lounsbury, P.E.
Vincent Maples, P.E.
Emily MacDonald
Ryan E. Stolfus

James C. Hanson
Consulting Civil Engineer
A Corporation

DAVID M. HOUSTON
PROFESSIONAL RESUME

REGISTRATION:

Civil Engineer, California (License No. 66166)

EDUCATION:

B.S. Civil Engineering – University of California, Davis, CA - 2001

EXPERIENCE:

Mr. David Houston is a registered civil engineer with over 10 years experience in water resources engineering. His specific areas of expertise include hydrology studies and water availability analysis for water storage and diversion projects and the design of drip irrigation and overhead sprinkler systems for vineyard development. He has designed numerous water storage and conveyance facilities including pipelines, and reservoirs. Mr. Houston has also prepared erosion control and surface water drainage plans for vineyard development.

RECENT EXPERIENCE INCLUDES THE FOLLOWING:

- Sonoma County Water Agency – North Sonoma County Agricultural Reuse Project: Assist in preparing planning-level designs for reservoirs and pipeline systems for storage and distribution of treated wastewater for agricultural irrigation.
- Mojave Water Agency - Hydrologic analysis in connection with the resources of Lake Arrowhead and the Mojave Groundwater Basin.

- City of Santa Maria – Hydrologic analysis in connection with the resources of the Santa Maria Groundwater Basin.
- Private water company (confidential project) – Reservoir Operations Study: Safe yield analysis for a proposed 250 acre-foot off-stream storage reservoir to be filled by pumping from a major stream source, for a small water purveyor regulated by the California Public Utilities Commission. Analysis involved evaluation of alternative diversion rates and instream bypass conditions to determine optimum operating parameters.
- Usibelli Grape Ranch – Vineyard Drip and Sprinkler System: Assisted in design of drip irrigation and sprinkler frost protection systems for 84-acre vineyard in Napa County.

CONTINUING EDUCATION:

“Irrigation System Evaluation”, Irrigation Training and Research Center, Cal Poly, June 2004.

“Erosion Control Workshop”, Sponsored by Gallo Vineyards, Inc. in cooperation with North Coast Regional Water Quality Control Board and other agencies, August 2003.

“Land Development Desktop Release 3 Civil Design Workshop”, CAD Masters, Inc., May 2002.

“UCD/UCB Drilling Seminar, Geotechnical Drilling, Sampling, Logging”, Taber Consultants, February 2002.

“Hydraulic Engineering Training”, Andrew J. Ranzieri, P.E., DAR Engineering & Associates, Inc., January 2002.

“Erosion and Sediment Control”, CPESC Training Course, UC Davis University Extension, January 2002.

COMPUTER SKILLS:

Experienced with Microsoft Excel, Word, Windows, AutoCAD, ArcGIS.