Numeric Solutions LLC

Groundwater Development & Management Statement of Qualifications

February 2017
Numeric Solutions LLC (NSLLC) was founded in Ventura, CA in 1999 to provide geological, engineering, and technical services to the agricultural, municipal water, groundwater, and natural resources industries.

NSLLC is focused on applying the latest technology and methodologies to generate quality geologic, engineering models, interpretations and water development programs. Typical projects include:

- Geophysical data acquisition & interpretation
- Water well permitting and design
- Water well installation project management
- Groundwater resources discovery and development
- Groundwater modeling, sampling and Compliance and reporting
- Groundwater modeling
- Groundwater basin interpretation
- Geochemical data acquisition, interpretation and characterization
- Surface and groundwater and surface monitoring and telemetry design and implementation
- Regulatory and Compliance (SB4 and UIC Permitting)

Numeric Solutions has worked extensively in geologically complex areas (both domestically and abroad) and has a strong reputation for the ability to develop sound geologic, aquifer and engineering models and interpretations for these environments. Reflecting this strength is our diverse client list:

- Taylor Ranch (Ventura, CA)
- Foothill Organics (Santa Paula & Ojai, CA)
- Western Municipal Water District
- San Bernardino Municipal Water District
- West Lake California Lake Management Company
- E&B Natural Resources
- California Resource Corporation (CRC)
- Aera Energy LLC
- El Sur Ranch
- Geoscience Support Services, Inc.
- WRIME
- Stantec
## Key Technical Staff

Highly experienced team with a diverse experience base

<table>
<thead>
<tr>
<th>Name</th>
<th>Position</th>
<th>Experience</th>
<th>Specialties</th>
<th>Education</th>
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</thead>
<tbody>
<tr>
<td><strong>John Harris (President, Geoscientist)</strong></td>
<td></td>
<td>17 years</td>
<td>Geological and aquifer modeling, Groundwater modeling, Regulatory compliance, Project Management</td>
<td>University of New Hampshire (BS); University of Michigan (MS)</td>
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<tr>
<td><strong>Christian Laber, PG (Vice President, Geologist)</strong></td>
<td></td>
<td>22 years</td>
<td>Operations, Regulatory compliance, Chemical data analysis, Project Management</td>
<td>Wittenberg University (BA); Duke University (MS)</td>
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<td><strong>Randy Couture (Senior Geologist)</strong></td>
<td></td>
<td>17 years</td>
<td>Field operations focusing on deep water wells, sampling, O&amp;M, drilling supervision</td>
<td>UNLV (BS), UCLA (MS)</td>
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<td><strong>Mike Logan (Senior Geoscientist)</strong></td>
<td></td>
<td>18 years</td>
<td>Petrophysics, Formation Evaluation, Reservoir Characterization, Reserves, Geomechanics</td>
<td>Western Washington University (BS); Montana Tech of the University of Montana (MS)</td>
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<tr>
<td><strong>Jeff Rayner (Geophysicist)</strong></td>
<td></td>
<td>40 years</td>
<td>Seismic acquisition and interpretation</td>
<td>Vanderbilt University</td>
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<tr>
<td><strong>Josh Franck (Geoscientist)</strong></td>
<td></td>
<td>1 year</td>
<td>Data analysis, Well water contaminant sourcing</td>
<td>University of California, Santa Barbara (BS)</td>
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<tr>
<td><strong>Jon Phillip (Senior Geologist)</strong></td>
<td></td>
<td>18 years</td>
<td>Water wells design / characterization, Groundwater monitoring systems design and implementation.</td>
<td>State University of NY at Stony Brook, Stony (BS); John’s Hopkins (MS)</td>
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<tr>
<td><strong>Eric White (Geoscientist)</strong></td>
<td></td>
<td>3 years</td>
<td>Geological modeling, Data analysis, Geologic mapping, GIS, Field Ops</td>
<td>Union College (BS); University of California, Santa Barbara (MS)</td>
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<tr>
<td><strong>Josh Noble (Geoscientist, GIS Technician)</strong></td>
<td></td>
<td>5 years</td>
<td>Geographic Information Systems</td>
<td>University of California, Santa Barbara (BS)</td>
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<tr>
<td><strong>Mark Korte-Nahabedian (Geoscientist)</strong></td>
<td></td>
<td>2 years</td>
<td>Geologic mapping, Data analysis, GIS</td>
<td>University of California, Santa Barbara (BS)</td>
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IN-HOUSE TECHNICAL AND EXECUTION CAPABILITIES

NSLLC offers a full suite of technical capabilities utilizing industry standard tools & approaches

- Modflow \(\rightarrow\) Groundwater Modeling & Analysis
- Matlab, R \(\rightarrow\) Data Analysis
- Rockworks, Petrel \(\rightarrow\) Geologic & Aquifer Modeling
- ArcGIS, Matlab, Surfer \(\rightarrow\) Geospatial Analysis and Mapping
- Geophysical Surveying \(\rightarrow\) Resistivity, Magnetics and Gravity
- Surface/Groundwater Monitoring \(\rightarrow\) Deployment of water level / chemistry systems
- Water well drilling, servicing and abandonment \(\rightarrow\) Project Management
- Instrumentation and telemetry \(\rightarrow\) System design and monitoring

### Water Resource Development
- Identify Project/Planning
- Reassess Water Needs
- Operate/Maintain
- Design
- Construct

### Hydrological Modeling

### Pump Test Analysis

### Instrumentation & Telemetry

### Chemical Analysis

### Geophysical Acquisition

### Geospatial Analysis