



## Aquifer Testing and Groundwater Modeling



Let BERM's geologists and hydrogeologists perform your next pumping test and provide you with computer generated data and graphical analyses. BERM can also provide you with a two dimensional analytical groundwater model for a very reasonable cost.

We have the necessary experience, technology and equipment to perform the most efficient and effective pumping test, slug test, push-pull test and remediation pilot test for your projects. Our expertise in these specialized services results in high quality data at a low cost to you and your client. BERM will determine the most cost effective methods for field implementation, equipment selection, data collection and evaluation.

We conduct pumping tests utilizing a wide range of sophisticated field and electronic equipment in order to provide the highest professional results. We have the necessary teams, equipment and expertise to complete 8 to 72 hour aquifer tests and dewatering tests at flow rates from 0.5 to 50 gpm for a very competitive cost. A typical Aquifer test scope includes field supervision by a certified hydrogeologist or professional engineer, preparation of test procedures and a health and safety plan, transducers, field laptop and all other necessary equipment.

### COST ESTIMATE

We perform these tests for a unit cost or a fixed fee price. All work supervised by a Certified Hydrogeologist on site. Due to recent changes in our schedules, BERM has availability to perform these tests at discounted rates.

**8-hour Aquifer Test or Step Tests (Field) All inclusive up to 50 gpm: call or email for pricing**

**24-hour Aquifer Test : Call or email for pricing**

**48-hour Aquifer Test : Call or email for pricing**

**72-hour Aquifer Test : Call or email for pricing**

**6000-20000 gal. storage tank rental: cost + 10 %; Non Haz Water Disposal : cost + 10%**

We can perform data evaluation using AQTESOLV at a very competitive rate.

**Groundwater Modeling using an analytical model (Quickflow or similar) two scenarios up to 10 observation and 1-4 pumping/extraction/injection wells, one transient and one steady state solution: Call for a fixed fee pricing**  
**Modflow, 3 dimensional modeling using the same scenario above: call for a fixed fee pricing and a detailed quote for multilayered modeling**

**Drilling, logging and well installation supervision by our professional geologist, engineer or certified hydrogeologist that include transportation within 50 mile radius of our office, field truck, eye wash, fire extinguisher and a PID at a daily rate for 8-10 hour onsite. Please note, BERM has a A, HAZ and C57—Water Well Installation Contractor License.**

**NEXT PAGE: MEET OUR AQUIFER TEST TEAM**



# Bays Environmental Remediation Management (BERM)

Innovation+Value

## Aquifer Testing and Groundwater Modeling (Cont...)

### BRIEF PROFESSIONAL HISTORY

#### **Mehmet Pehlivan, PG, CHG, QSD/QSP, Principal Hydrogeologist**

Mr. Pehlivan has over 30-years of professional experience in environmental hydrogeology and petroleum geology. Mr. Pehlivan's diverse experience includes the following: hydrogeologic evaluations; aquifer testing, slug tests, studies on vertical migration of chlorinated hydrocarbons; groundwater modeling; tidal influence studies in coastal aquifers; construction dewatering, demolition and excavation, vapor extraction test evaluations; feasibility studies; light non-aqueous phase liquid (LNAPL) recovery system design testing and modeling (API LNAPL Model), in-situ chemical oxidation (ISCO), enhanced in-situ bioremediation (EISB), analyses of oil and water flow through porous media. Mr. Pehlivan is a Registered Professional Geologist (#5798) in California and Arizona, Certified Hydrogeologist (#377) in California, Qualified SWPPP Developer and Practitioner.

#### **Stephen Anderson, MS, PG, CHG, Senior Hydrogeologist**

Mr. Anderson has 35-years of professional experience in environmental hydrogeology and petroleum exploration. Mr. Anderson's experience includes 25 years in environmental assessment, groundwater investigations associated with water resources, aquifer testing and groundwater modeling, Installation of groundwater production and monitoring wells and 10 years experience in oil and gas exploration. Mr. Anderson is a Registered Professional Geologist (#4591) and Certified Hydrogeologist (#551) in California.

#### **Pratibha Bhagwat, MS, PE, QSD/QSP, Senior Project Engineer**

Ms. Bhagwat has over 10 years experience as a civil environmental engineer and wastewater system design and water resources engineer. Ms. Bhagwat has an MS in Civil - Environmental Engineering from the California State University in Fullerton. She is a registered Civil Engineer in California (#C72901) and a Qualified SWPPP Developer and Practitioner.

#### **Thomas Dixon, Senior Hydrogeologist**

Mr. Dixon has 25+ years of professional experience in environmental hydrogeology and petroleum exploration. Mr. Dixon's experience includes environmental assessment, groundwater investigations, RI/FS, aquifer testing, SVE/TPE/MPE Testing, Remediation O&M Management and groundwater modeling, Installation of groundwater production and monitoring wells.

#### **Yusuf Pehlivan, Staff Geologist**

Mr. Pehlivan is a recent graduate of UC Davis Geology. He has worked with BERM as an intern during his summer recesses and since his graduation of September, 2012. He has participated and performed groundwater sampling, SVE and TPE pilot testing/extraction events, drilling and logging activities as well as well installation and development.

**For a free site evaluation and to get an estimate please call  
714-455-0057 or e-mail to [mp@baysgrp.com](mailto:mp@baysgrp.com) — [www.baysgrp.com](http://www.baysgrp.com)**

**Bays Environmental Remediation Management** is a California State Certified Very Small Business (VSB, Micro). Our professionals have over 20 years of experience in assessing and remediating hydrocarbons and solvents. Our professionals have successfully applied numerous aquifer tests including step tests, variable flow rate test, constant flow rate test, short term test (4 - 8 hrs), 24, 48 and 72 hour tests, dual phase and two-phase extraction tests, data evaluation, analytical and numerical groundwater modeling, well capacity calculations, de-watering evaluations. BERM has the following California Contractor Licenses: general (A), Hazardous Material Removal (HAZ) and Water Well drilling and testing (C57).

**FINE PRINT:** Work will be performed using the rates quoted. Pumping water storage and disposal will be performed on a time and expense basis with 10% markup. Our QA/QC Protocol calls for Certified professional visit the site and perform QA/QC check at midnight when test extends to 24 hours or more. If the site security is an issue, a security guard may be required for the overnight test. Travel over 50 miles will be at \$1.0/ mile

To remove your name from our mailing list, please [click here](#).

Questions or comments? E-mail us at [mp@baysgrp.com](mailto:mp@baysgrp.com) or call 888-511-5335 ext.102 <http://www.baysgrp.com>