AQUIFER TEST
AquiferTest is an easy-to-use software package for analyzing, interpreting, visualizing, and reporting pumping test and slug test data.

Import Data
Import from Excel, Shapefiles, text files and directing from dataloggers. *(Including Diver & Level Loggers)*

Evaluate with confidence
A complete set of analytical solutions covering almost any condition.
- Aquifer type: Confined, unconfined, leaky, fractured, single aquifer or multi-aquifer systems.
- Aquifer extent: Infinite, recharge boundary, or barrier boundary.
- Isotrophy: Isotropic or anisotropic.
- Discharge: Constant or variable.
- Well penetration: Fully or partially.
- Data type: Drawdown or recovery.

Available evaluation solutions

<table>
<thead>
<tr>
<th>Confined: Theis, Cooper-Jacob (Type I, II, III)</th>
<th>Recovery: Theis Agarwal</th>
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<tbody>
<tr>
<td>Unconfined: Neuman, Boulton</td>
<td>Multi-Aquifer: Hemker &amp; Maas</td>
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<td>Leaky: Hantush-Jacob, Hantush with Aquitard Storage</td>
<td>Well Losses: Hantush-Bierschenk</td>
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<td>Fractured Flow: Warren Root, Moench</td>
<td>Horizontal Wells: Clonts &amp; Ramey</td>
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<td>Wellbore Storage: Papadopoulos-Cooper, Agarwal</td>
<td>Slug Tests: Hvorslev, Bouwer-Rice, Cooper-Bredheoef-Papadopoulos, Dagan</td>
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Interpret Data
Extend your analysis with in-depth tools beyond curve matching.
- Derivate analysis: Manual or automatic curve matching of both drawdown and derivative data.
- Diagnostic graphs: Perform on-the-fly comparison of field data vs. diagnostic graphs for a quick assessment of he aquifer and well conditions.
- Statistical analysis: Generate a report showing the quality of fit, errors, standard deviation, and calibration point.
- Predict: Predict water level elevation and drawdown at existing and planned well locations.
- Contours: Generate contours and streamlines for pumping and observation drawdown, well interferences, and superimpose regional gradients to estimate localized impacts.

Reporting
Quickly generate professional-looking paper or PDF reports of your complete evaluation with client-ready maps, charts, and tables in a few simple clicks.