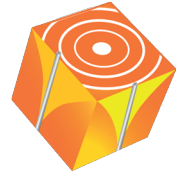


# AQUIFER TEST

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.
- Isotropy : Isotropic or anisotropic.
- Discharge : Constant or variable.
- Well penetration : Fully or partially.
- Data type : Drawdown or recovery.

### Available evaluation solutions

- Confined : Theis, Cooper-Jacob (Type I, II, III)
- Unconfined : Neuman, Boulton
- Leaky : Hantush-Jacob, Hantush with Aquitard Storage
- Fractured Flow : Warren Root, Moench
- Wellbore Storage : Papadopoulos-Cooper, Agarwal
- Recovery : Theis Agarwal
- Multi-Aquifer : Hemker & Maas
- Well Losses : Hantush-Bierschenk
- Horizontal Wells : Clonts & Ramey
- Slug Tests : Hvorslev, Bouwer-Rice, Cooper-Bredehoeft-Papadopoulos, Dagan

## 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 the 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.