

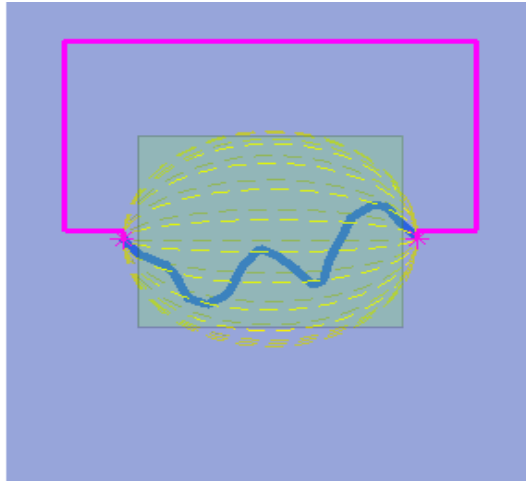


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WILLOWSTICK TECHNOLOGY

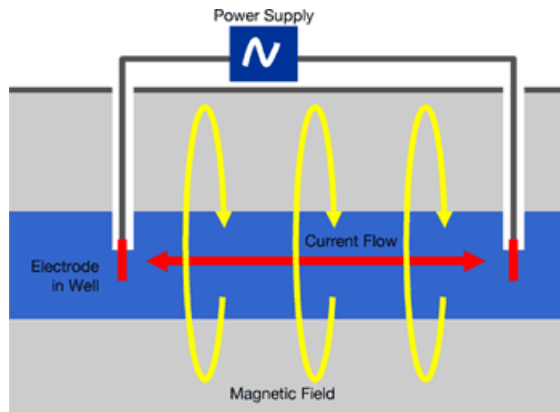
AquaTrack™ works by:

- Energizing a water-bearing zone with an AC current. As the AC current flows through the water a magnetic field is generated.
- Measuring the magnetic field at multiple points on the surface using our patented AquaTrack field system.
- Employing mathematical algorithms to reduce field data and prepare contour maps of subsurface water footprint.



**AquaTrack Based on Proven Scientific Principles**

AquaTrack uses a low voltage, low amperage, audio frequency electrical current to energize the groundwater. Electrodes are placed strategically in wells, springs or surface water to inject electricity into the groundwater of interest. Because the groundwater is a conductor, the electrical current follows the groundwater between the electrodes. As the electrical current flows through the groundwater, the current creates a magnetic field characteristic of the injected electrical current. This unique magnetic field can be identified and surveyed from the ground surface using a tuned, sensitive magnetic receiver.



The magnetic receiver measures the specific magnetic field, filters out interference, and amplifies the signal. Repeated measurements are recorded over time to ensure consistent results. The recorded data are corrected to remove fluctuations in the data due to natural phenomena and man-made interference. The horizontal and vertical magnetic field magnitudes and directions can be measured to further define the groundwater.

AquaTrack survey data are normalized to show relative highs and lows in the field data. These are referred to as anomalies that represent areas of different physical conditions. A high magnetic reading represents higher induced conductivity; a low magnetic reading represents low induced conductivity. The changes in conductivity represent an increase or decrease in the presence of groundwater. In the simplest terms, the AquaTrack technology identifies where groundwater is most present in the area of investigation.

For more information on AquaTrack, please [contact us](#).