

AQUIFER GROUP

Replenishing Groundwater Naturally



Water...

Water is one of the world's few renewable resources. It is the foundation of all life. Water is Life... Due to the ever-increasing demand for fresh water throughout the world caused by over-use, over-population, poor management and conservation practices, we are, quite simply, running out of water...

The Relationship Between Surface Water and Ground Water

Surface water, diffuse water and groundwater are intimately linked. The ongoing depletion of our groundwater resources is not new to us, but only recently has the correlation been made between shrinking groundwater resources and the diminishing availability of surface water.

Over 95% of the Earth's useable fresh water is stored as groundwater.

Evapotranspiration (ET), erosion and siltation all negatively impact groundwater recharge by disrupting the natural flux of surface water into the groundwater system.

60% of the world's population depends on water acquired from aquifers or ground water deposits...

Surface water is being lost at a rapidly expanding rate, resulting directly in the decline of groundwater recharge. Less groundwater means less reserve in times of excess demand.

One half of the US population will experience a two-fold increase in water demand during this century...

Demand...

Sixty percent of the world's population depends on water acquired from aquifers or groundwater deposits. Aquifer levels are declining at critical rates across the globe due to overuse and improper management. Concurrently, surface waters are being lost due to overuse, evaporation, plant transpiration and basin bypass.

Challenge...

Identify, develop and restore safe, sustainable and natural water reserves for delivery to large municipal water utilities, state and federal agencies.

Solution...

Aquifer Group's proprietary natural surface and groundwater identification and development technologies, created and managed by our unique staff of engineering, construction, geological and geophysical experts.

Why Aquifer Group?

Independent technical evaluations conducted as proof of process for Aquifer Group's proprietary Integrated Resource, Runoff, Reserve, Recharge and Recovery system (IR5) demonstrate that **our methodology restores a recharge efficiency 300% to 800% greater than current traditional scientific practices.**

Aquifer Group marries the scientific expertise of staff hydrologists, geologists and geophysicists with the environmental expertise of resident staff engineers and construction professionals to provide our clients with the most comprehensive methodology for efficiently identifying, developing and restoring sustainable water resources.

Aquifer Group's efforts in surface water, diffuse and groundwater management have resulted in new and innovative ways of understanding water science. Our water management strategies and methodologies greatly improve surface water development, and are designed to naturally enhance environmental surface flows and/or recharge to existing aquifers.



Aquifer Group's Vision...

To provide safe, sustainable, natural water supplies through the responsible restoration and conservation of our ground and surface water resources.

Our Services

- Aquifer Recharge and Aquifer Restoration
- Surface Water Restoration and Enhancement
- Restoration of Surface Environmental Flows
- Water Source Research and Identification
- Recovery Well Fields and Water Transport
- Networked Water Monitoring Infrastructure
- Restoration of Groundwater Reserves
- Consulting, Alliance and Advisory Services



Our Market

- Municipal Authorities seeking to capture and maintain ownership of water rights normally lost to infiltration and evapotranspiration.
- State and Federal Agencies looking to identify and develop alternative water sources to address current/future public water shortfall.
- Private Sector investors and private/public partners looking for emerging markets technologies and a strong ROI potential.



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