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INFINITY WATER SOLUTIONS

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STATEMENT OF CONFIDENTIALITY

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WWW.WATER.ENERGY





Introducing

INFINITY

Infinity Water Solutions is a fully-integrated, US-based sustainability, technology and water management company. A cross-industry pioneer, Infinity is reclaiming wastewater, reimagining how it is recycled, reused, manufactured and exchanged, world-wide.



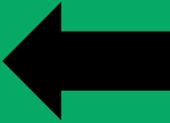
Barrels Recycled
+8.5MM



Year Founded
2019



MILLS RANCH 1
Infinity's Flagship Water
Recycling Facility



CLOSED-LOOP WATER RECYCLING

Infinity's sustainable four-staged recycling process



Water Gathering

Water recapture.
Produced water intake
in the Permian Basin.



Water Recycling

100% recycled water
using proprietary
design and technology.



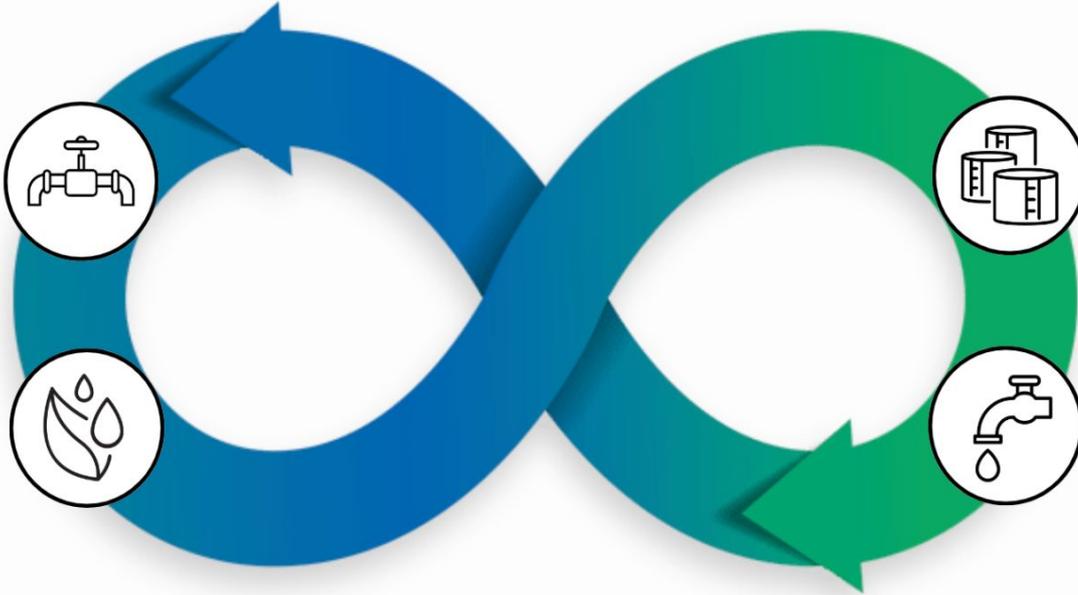
Water Staging

6.5 million barrels of
storage capacity with
throughput capacity at
more than 300,000
barrels daily.



Water Sourcing

On-demand fulfillment.
Water when you need it.





TREATMENT TECHNOLOGIES

The strength of our solutions is rooted in the expertise of our technical leadership. Our team has a deep understanding of water treatment in temporary and permanent applications.

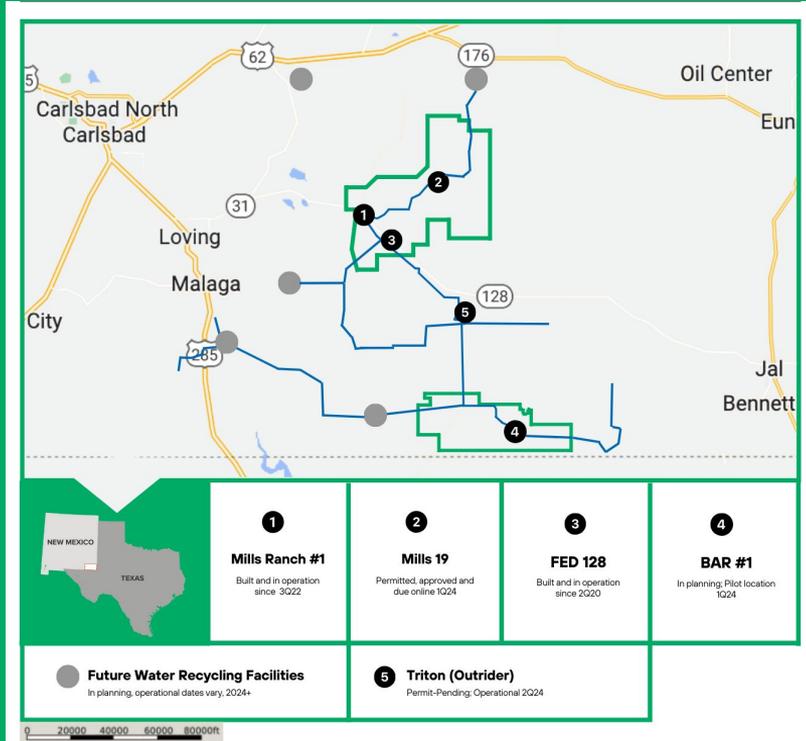
- Our system is low-cost, robust and adaptive.
- Our safety record is A and we are part of ISNetworld and VeriForce.
- Plug-n-play process equipment to match your specified flow rate.
- Experience treating water volumes in excess of 100,000 BPD; cumulatively we've treated more than 50 million barrels.
- Proprietary treatment technologies and processes meet even the most stringent industry KPIs.





THE NETWORK EFFECT

Infrastructure at-scale (our footprint)



Working with major and independent operators, Infinity is building a “peer-to-peer” water-sharing network, so there is water sourcing when customers need it and produced water gathering when they don’t.

Our current plan calls for a build out of 10 networked facilities anchored by a multi-year ExxonMobil / XTO agreement.

At scale, we’ll have more than 1 million barrels of daily throughput capacity with roughly 30 million barrels of staging.

CONSTRUCTION





Proposed Pilot Project

OVERVIEW

In an effort to further regulators' (and the whole world's) body of knowledge on beneficial reuse to support policy creation of Phase II of the Produced Water Act, Infinity is planning the following field scale pilot program using treated produced water.

Using our pretreatment technologies in conjunction with a desalination system, Infinity plans to treat raw produced water to a non-potable fresh water state. Once treated to this standard, the fresh water will then be applied to a $\frac{1}{4}$ acre hemp crop to assess the effects on the peripheral environment, as well as the yield and phytochemical content of the crop. The control $\frac{1}{4}$ plot will be watered using local groundwater.

To our knowledge, this research represents some of the first efforts to understand the appropriateness of using treated produced water for beneficial reuse outside the oilfield.





TREATMENT TRAIN



Raw Permian Produced Water

120,000 mg/L TDS
200 mg/L TOC
100 mg/L Iron
<10% Acute IC25
<10% Chronic IC25



IWS Pretreated Produced Water

120,000 mg/L TDS
10 mg/L TOC
5 mg/L Iron
<25% Acute IC25
<25% Chronic IC25



Desalinated Produced Water

<500 mg/L TDS
<2 mg/L TOC
ND Iron
>100% Acute IC25
>100% Chronic IC25



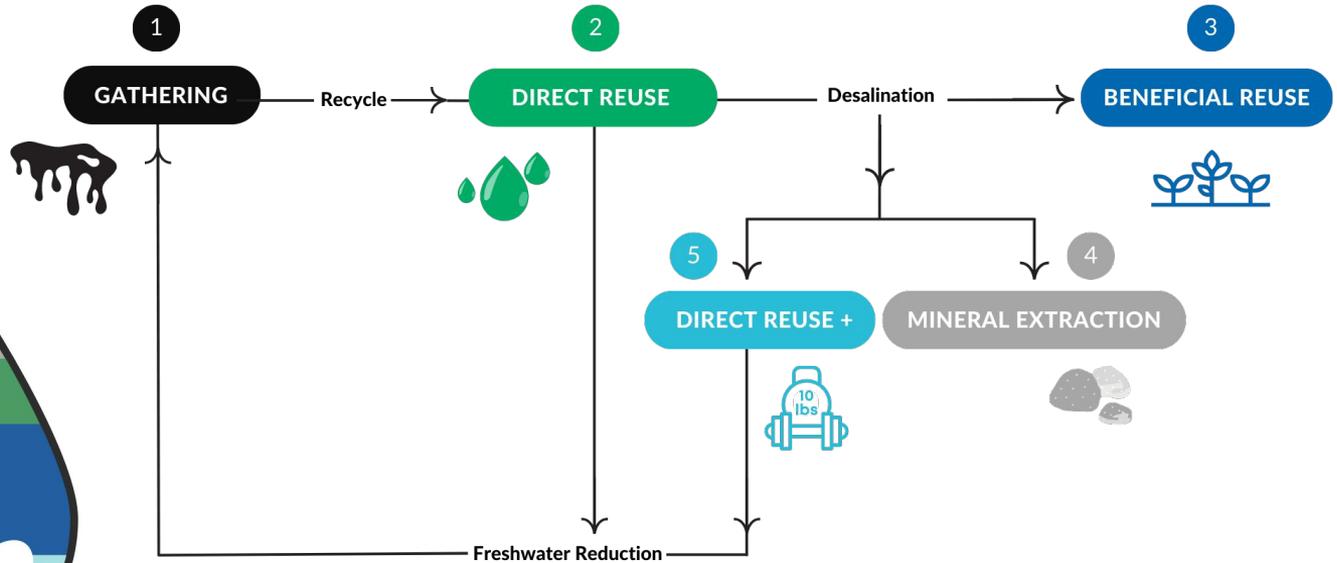
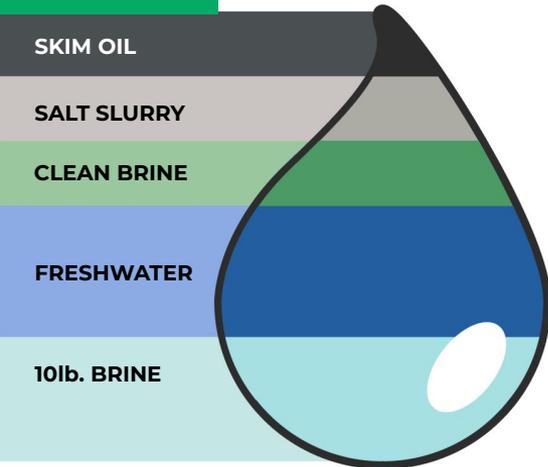
Experimental Hemp Plot

Grown over 8-10
weeks outdoors
in native soil



FROM WASTE SOURCE TO RESOURCE

Cracking a barrel of produced water





QRI



Proprietary Soft Tech

SPEEDWISE[®] WATER

In partnership with QRI, Infinity has created a revolutionary new water intelligence platform to help analyze water quality and quantity coming from a given basin.

Features include:

- Real-time monitoring, analysis, tracking and supply projections;
- Improved efficacy and efficiency of right-size treatment solutions;
- Interactive dashboards to help visualize various plots and metrics;
- Detailed geospatial data and water chemistry analytics; and
- Transparency based on comparable sales, market conditions, and predictive modeling.

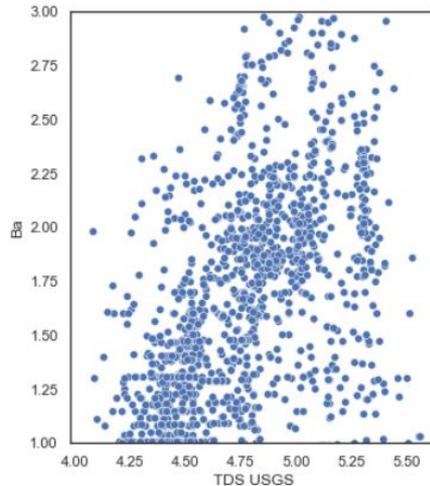




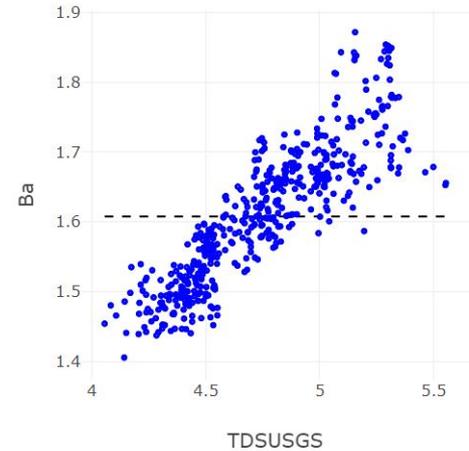
FROM CHAOS TO CLARITY!

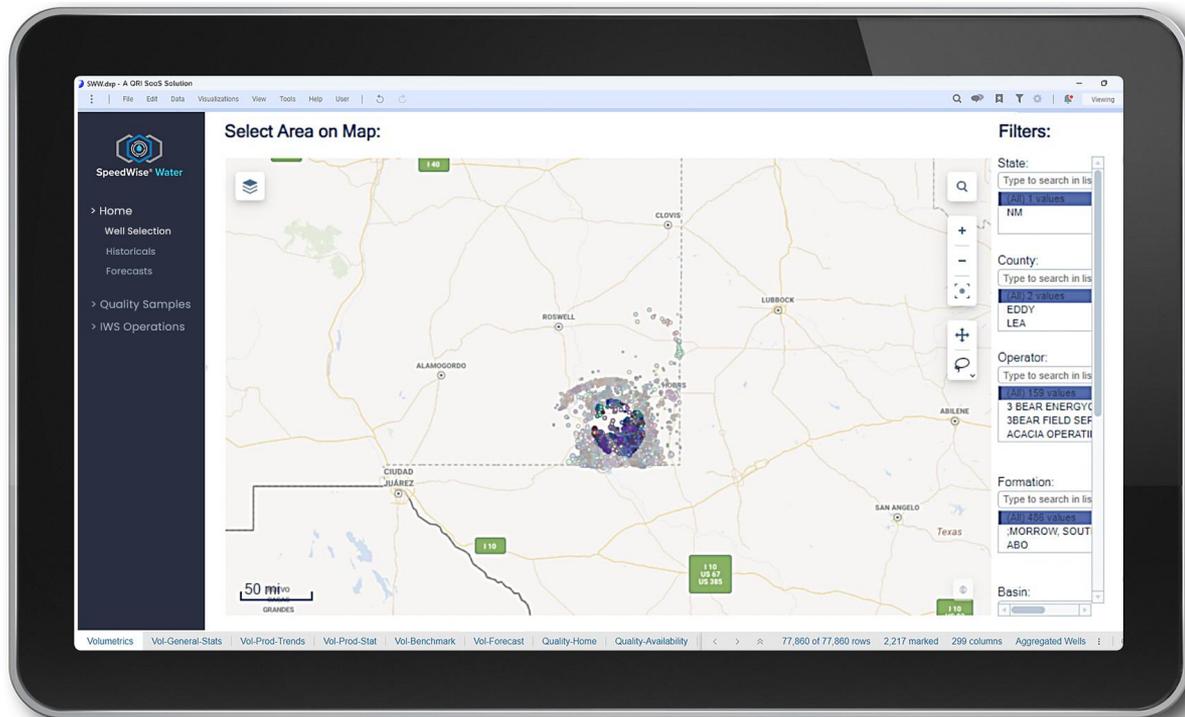
MI Model #1: Barium

No correlation
based on
simple scatter
plot between
Ba and TDS!



Trend was found by the ML
model after controlling for all
other factors!

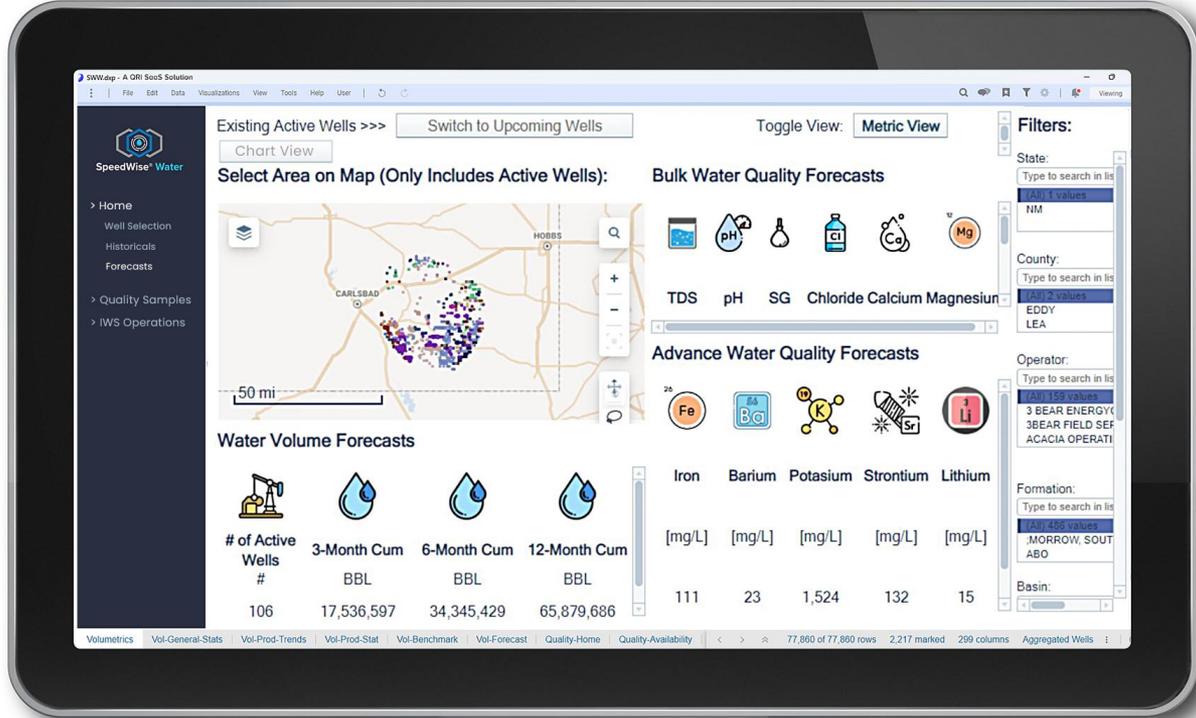




**WELL
SELECTION**



TREND ANALYSIS



WATER QUANTITY AND QUALITY FORECASTING



**MAXIMIZE
OPERATIONAL
EFFICIENCY**



WATER TREATMENT OPTIMIZATION



CREATING A BLUE ECONOMY

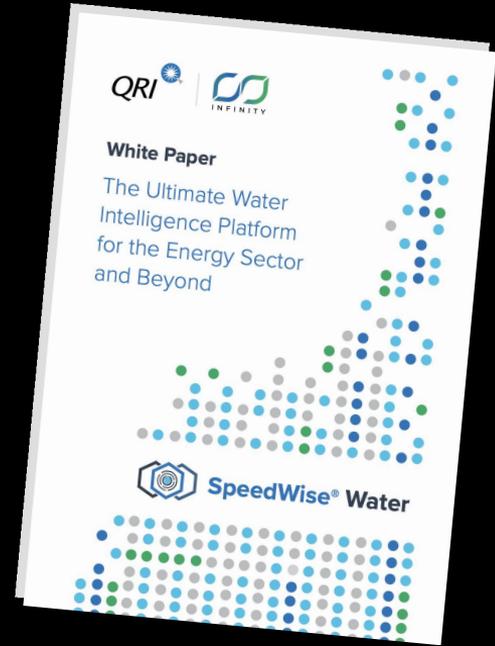
WATER RESILIENCE STARTS WITH WATER INTELLIGENCE

Water scarcity is a concern in nearly every region of the world, and though the challenge presents globally, the solutions (and opportunities) lie locally. Uniquely positioned to take advantage of this opportunity, both sustainably *and* profitably, is New Mexico.

The State's emphasis on recycling and reuse efforts, not only preserve freshwater resources, but they also create the foundation for a blue economy; a revolutionary new way to manage, mine and manufacture freshwater alternatives.

To learn more, download our SpeedWise® Water White Paper today.

[DOWNLOAD NOW](#)





Questions or comments?

CONTACT US

Thank you for your consideration and time. We look forward to sharing more about Infinity Water Solutions and its vision for a more resilient water future.



Call us
(512) 710-1863



Website
www.water.energy

