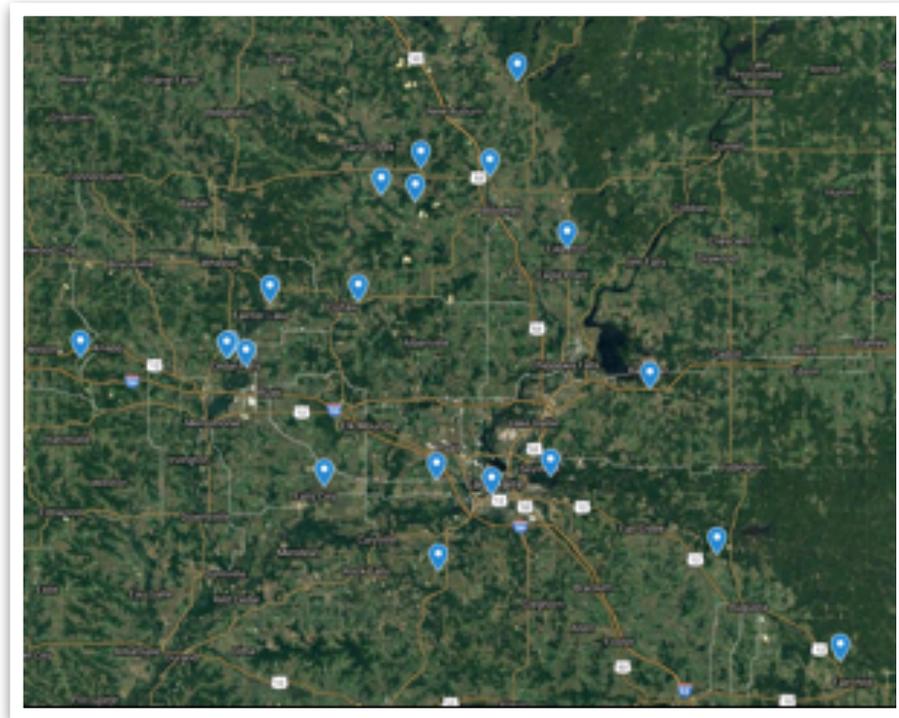


## Trans-Boundary Collaboration, Management

Wisconsin counties deploy WellIntel cloud-based systems on 20-well network, share insight and manage common resource



Trans-boundary management of groundwater has always been difficult, exacerbated by the challenge of efficiently sharing data with colleagues in neighboring municipalities. Beginning in 2015, motivated by a need to improve understanding of local groundwater and anticipate impacts from land use changes and new high capacity wells, three northwestern Wisconsin counties, Dunn, Eau Claire and Chippewa, have collaborated with state and federal agencies to establish a 20-well WellIntel network.

WellIntel's cloud computing ensures that data collected by individual wells in each county are available as an integrated network of time-series data. Now the counties have the ability to understand their shared resource, implement an integrated approach to monitoring and management planning, and collaboratively respond to evolving groundwater needs and potential impacts.

## Integrated Network, Improved Cooperation

In anticipation of region-wide population increases, land use changes, and new high capacity well impacts, three northwest Wisconsin counties, Dunn, Eau Claire and Chippewa, along with the Wisconsin Geological and Natural History Survey (WGNHS) and the USGS Wisconsin Water Science Center (USGS) joined forces and finances to build and learn from a 20-well network.



The network is comprised of a mix of wells types – residential, farm, business, county or township offices, and a few non-pumping monitoring wells. Network wells are completed in either a shallow unconsolidated aquifer or a bedrock aquifer.

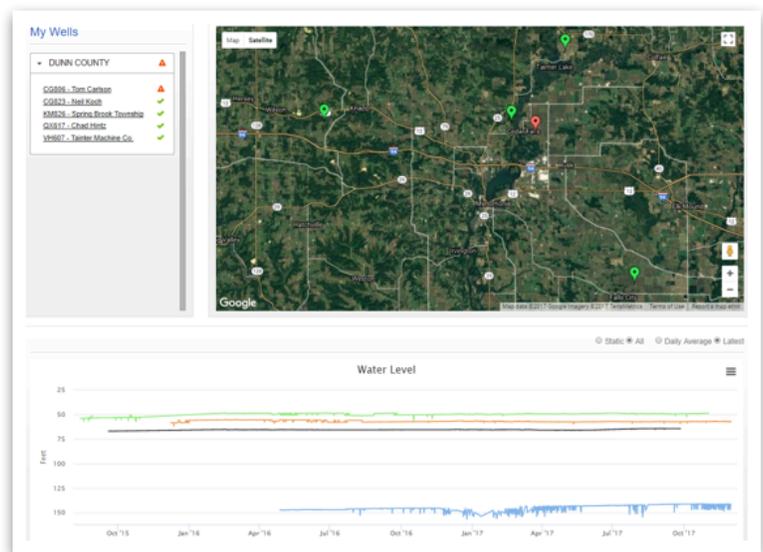
## Network Design

### 20-Well Network

- Includes residential, farm, business, county or township offices, and non-pumping monitoring wells

### Equipment

- (15) Wellntel Home Kits, battery powered with standard telemetry
- (1) Wellntel Home +Pump Kit, solar powered with standard telemetry
- (4) Wellntel Home Kits, battery powered with no telemetry



## Impact

Because Wellntel sensors are non-invasive and designed to be installed at the top of submersible pump and monitoring wells, a wide variety of well locations and types can be included in the network. Data in the cloud make it possible for the Counties to manage their own monitoring network and integrate data to assess and jointly manage the trans-boundary resource. Network sponsors are able to get beyond county-centric frameworks and see the hydrologic basis for broad watershed focused-resource management.

**To learn more, contact Wellntel at 844-WELLH20 (844-935-5426)  
or email us at [info@wellntel.com](mailto:info@wellntel.com)**

Wellntel, Inc. 906 East Hamilton Street, Milwaukee WI 53202  
[www.wellntel.com](http://www.wellntel.com)

