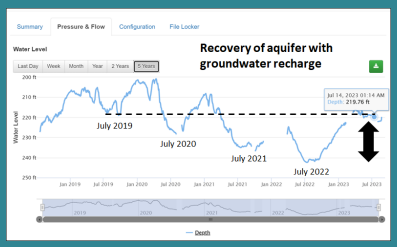
AgMonitor

"AgMonitor can help GSAs and Growers work together to get ready for SGMA. Farms need a simple, cost-effective way to quantify water usage and reduce costs. AgMonitor provides answers, not just data. They are easy to work with."

DON CAMERON, General Manager at Terranova Ranch, Chairman of the McMullin Area GSA

RESULTS

- ✓ Quantified ground water water extraction with flow meters and power meters (pumped water supply)
- ✓ Integrated satellite-based ETa data to have a second method to track water use (crop water demand)
- ✓ Developed dashboard with monthly records for SGMA
- ✓ Improved water and energy efficiency across operation
- ✓ Integrated depth sensors at monitoring wells
- ✓ Witnessed a significant rise in the groundwater table after groundwater recharge



terranova RANCH INC.

CUSTOMER CASE STUDY

Leveraging PumpMonitor™ on a 6,500 acres farm dedicated to sustainability and food quality

The Challenge

Terranova Ranch strives to conduct daily farming operations in accordance with sustainable practices. This includes the practice of groundwater recharge, which the GM Don Cameron has pioneered in California. It also hinges upon implementing good pump monitoring practices to keep energy efficiency high and water use low. He wanted a platform that would measure groundwater extraction accurately and track groundwater recharge during wet years to achieve sustainability.

The Solution

Terranova adopted **PumpMonitor™** software platform on 3 pumps in 2015, 20 pumps in 2016, and then the entire farm (50 pumps) by 2017. In 2018, Don Cameron, also Chairman of the McMullin GSA, started to use PumpMonitor™ to track also the amount of flood water captured for recharge to be ready for the new SGMA regulation.

One of the advantages of the AgMonitor platform is to integrate other technologies and display all the results in one simple dashboard including groundwater levels. It resulted in a reduction of 75% of capital outlay compared to other solutions, and they were able to track in 2023 the recovery of the aquifer after three years of drought.

Furthermore, Don worked with his CFO to reduce cost of water by better integrating solar with **RanchMonitor™** and asked his Farm Manager to track irrigation with **CropMonitor™** that leverages satellite images. They reduced water application from 3 to 2.7 Ac-Ft/Acre.

"AgMonitor is one of the few out there that listened to us and showed flexibility to incorporate our needs into the product."