



## Introduction

Groundwater Crisis
Customer Opportunity
P4 Solution

## In the past decade, four of every 10 sites hit all-time lows. And last year was the worst yet. \*\*Record low annual water soons, past decade \*\*TCORD LOWS\*\* \*\*TCORD LOWS\*\*

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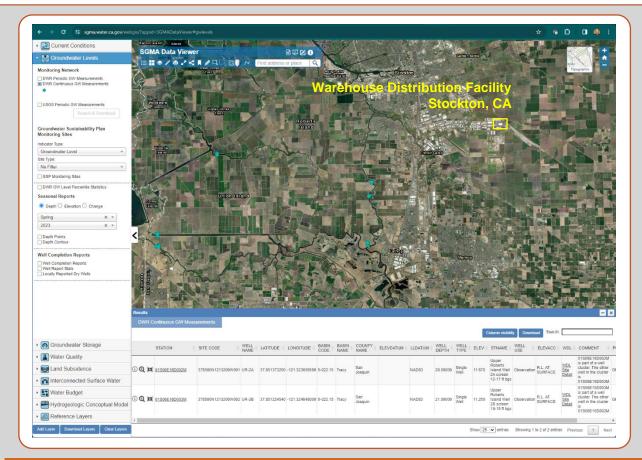
#### Sustainable Groundwater Management Act (SGMA)



**Groundwater Credit Trading** 



You CANNOT Buy/Sell what you do not MEASURE



#### **Customer Opportunity:**

- Capture Large Runoff Volume
- · Facilitate Groundwater Recharge
- Recharge Rebates and Groundwater Credit Trading: \$375 - \$1,100 /acre-ft value<sup>(1)</sup>
- (1) TETRATECH (2016). "Establishing Monetized Benefits of Groundwater Recharge from Stormwater Retention Practices", United States Environmental Protection Agency, April, Contract No. EP-C-11-009, Washington DC, 68 pages.

# LIQUA-Level EPC & Rain-mX





### **Measured Data**

Cost-Effective, Reliable & Robust P4 System
Continuous Monitoring of Environmental Conditions
Continuous Documentation of Basin Performance

**Documented Infiltration Volume:** 

- Groundwater Rebates
- Groundwater Credit Trading

**Empty Conditions June to October** 



Repeated Rainfall Events October to June

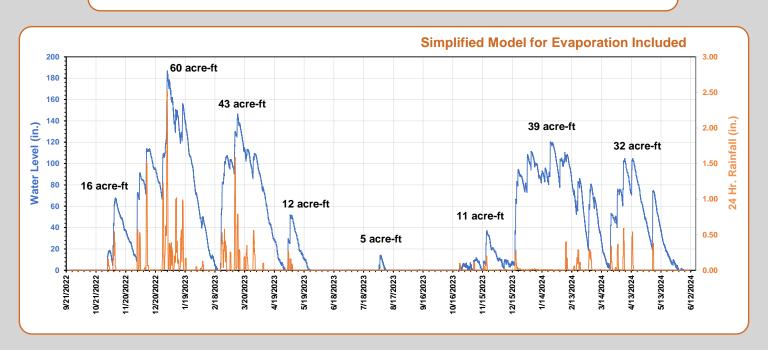


Basin dimensions are too large for ultrasonic sensors.

Extreme and long-duration exposure to ultraviolet radiation.

Windy conditions present.

Water level measurement needed from ZERO to 22+ feet.



**LIQUA-Level EPC** measures water levels from ZERO to 22 feet.

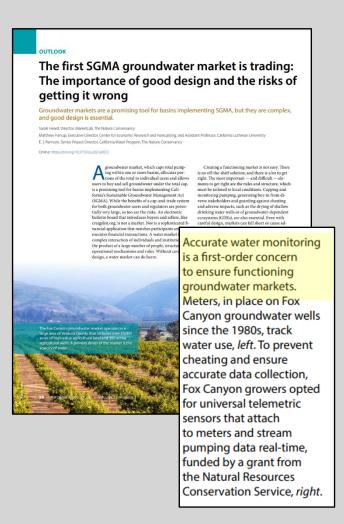
Water level measurements taken at 10-minute intervals without maintenance.

**Rain-mX** measures: temperature, barometric pressure, relative humidity, and rainfall at 10-minute intervals.

Minimal maintenance of tipping bucket rain gauge.

Environmental data perfectly suited for evaporation models.

218 acre-ft infiltrated \$81,000 to \$239,000 in rebate or trading credit



## The End

Let P4 show you how digitalization of stormwater infrastructure can change the game.

