

# Implementation of the Indian Wells Valley Basin Groundwater Sustainability Plan Data Collection and Data Management



**STETSON**  
ENGINEERS INC.

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# Field Data Collection

- Weather Stations
  - Roughly 12 stations in and around the watershed.
  - Precipitation and other parameters retrieved online and via telemetry.
- Streamflow Gauges
  - Gauging stations in Sand and Grapevine Canyons.
  - Hourly measurements with telemetry.
  - Flow volume calculated.
- Groundwater Quality
  - Annual sampling at 12 selected wells.
- Groundwater Elevations

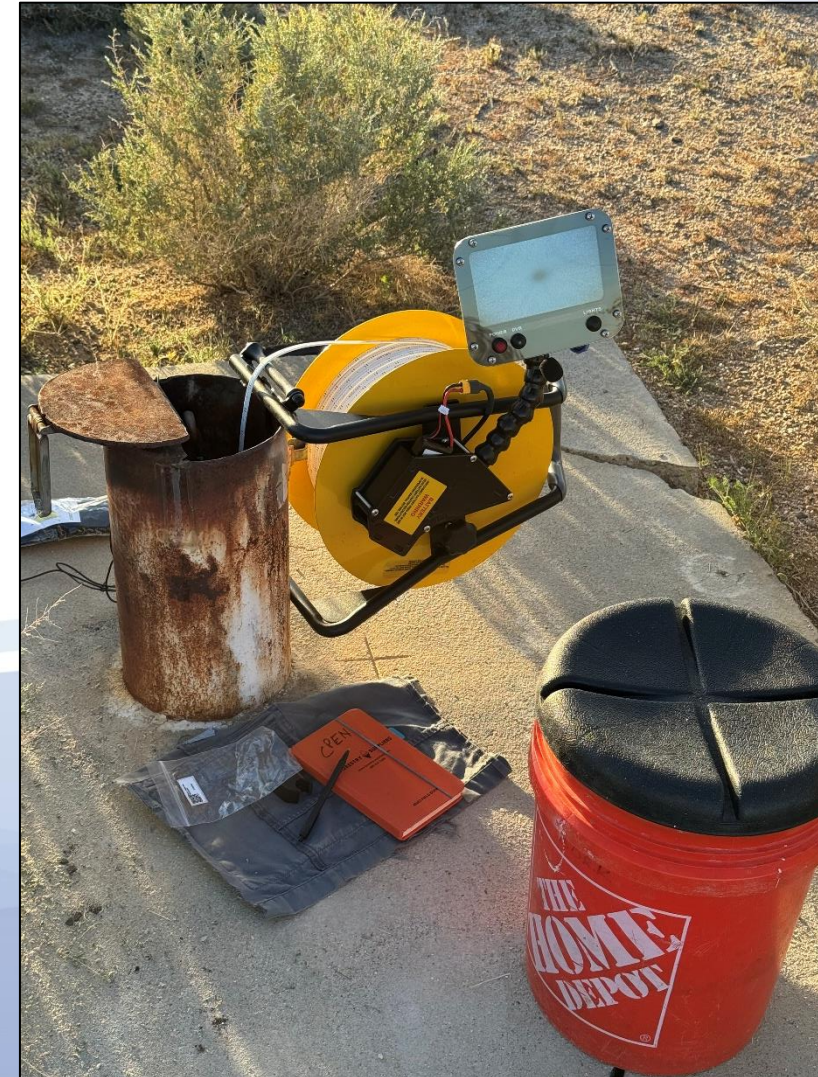
Constant data  
collection ensures  
IWVGA is informed  
by the best  
available science.

# Groundwater Elevations

- Depth to water (DTW) manually measured
  - Groundwater elevations calculated
  - ~190 wells in Groundwater Monitoring Program
- DTW measured twice per year
  - Spring (Seasonal High) - typically March
  - Fall (Seasonal Low) - typically September
- Joint Action of Agencies
  - Kern County Water Agency (KCWA): 73 wells
  - Naval Air Weapons Station China Lake (NAWS): 65 wells
  - IWVGA: 27 wells
    - Data loggers in ~28 wells log measurements at 1-hour intervals. 10 loggers upload to DMS via telemetry.

IWVGA  
collaborates  
with other  
agencies to  
collect data.

# Field Data Collection



# Field Data Collection



# Data Management System, Public Access

## Landing Page



IWVGSP.COM

Indian Wells Valley  
Groundwater Sustainability Plan  
Data Management System





## GROUNDWATER SUSTAINABILITY PLAN

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GSP Dashboard



USGS Earthquake Information



Map Interface



GSP Reports

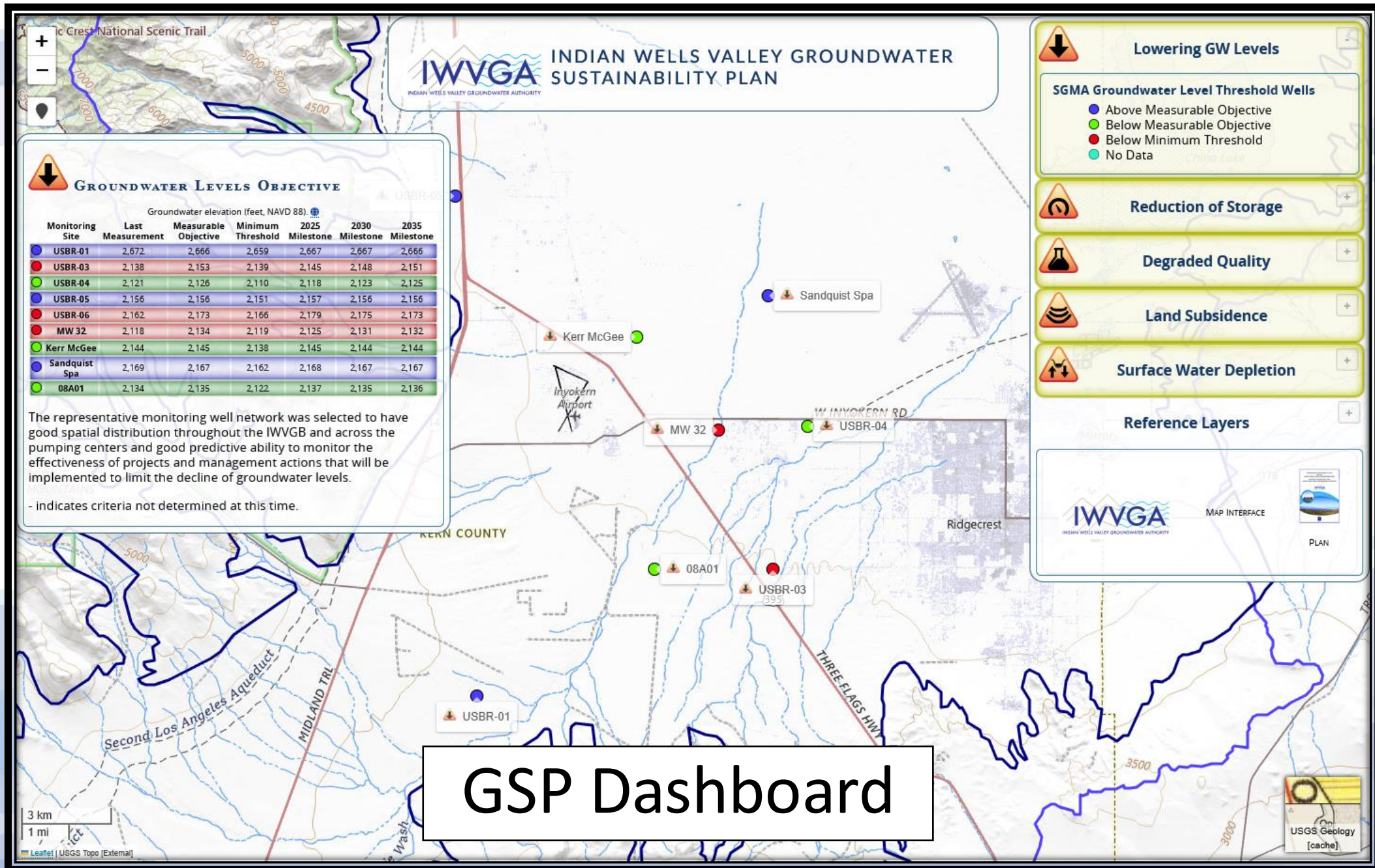


Library



Maintained by Stetson Engineers, Inc.

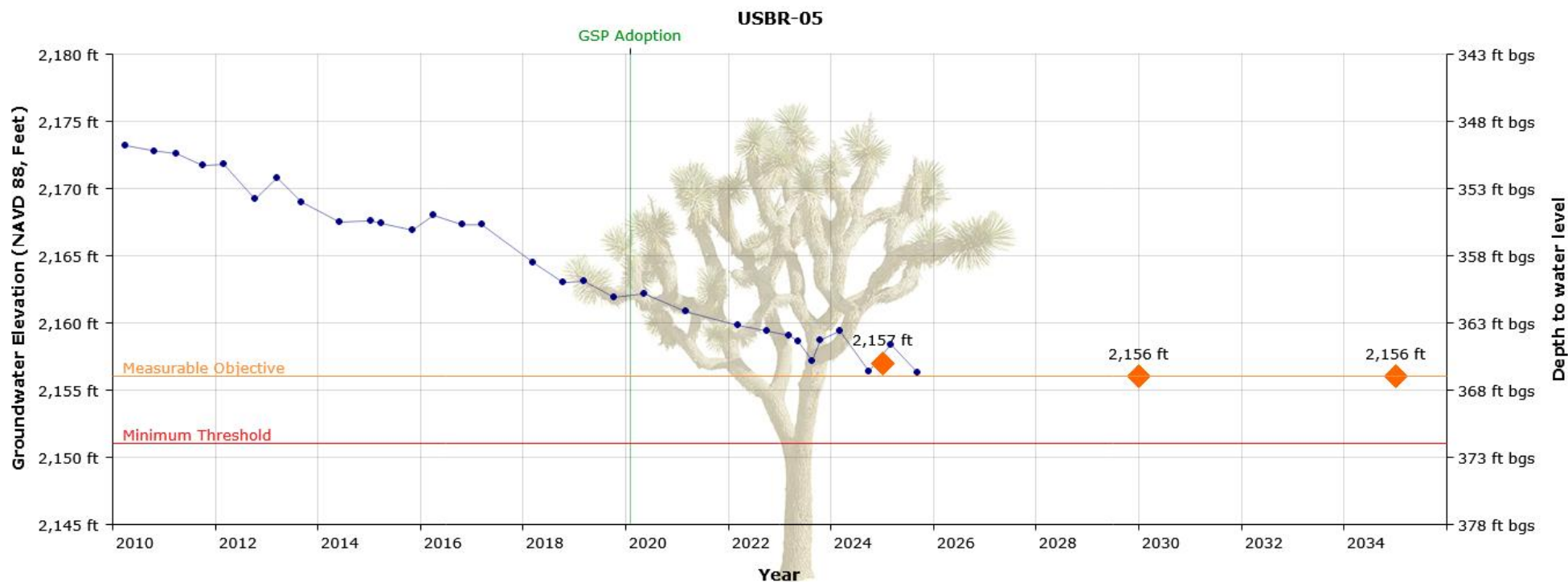






# INDIAN WELLS VALLEY GROUNDWATER SUSTAINABILITY PLAN

## 🔥 LOWERING GW LEVELS: USBR-05



[SGMA Dashboard](#)

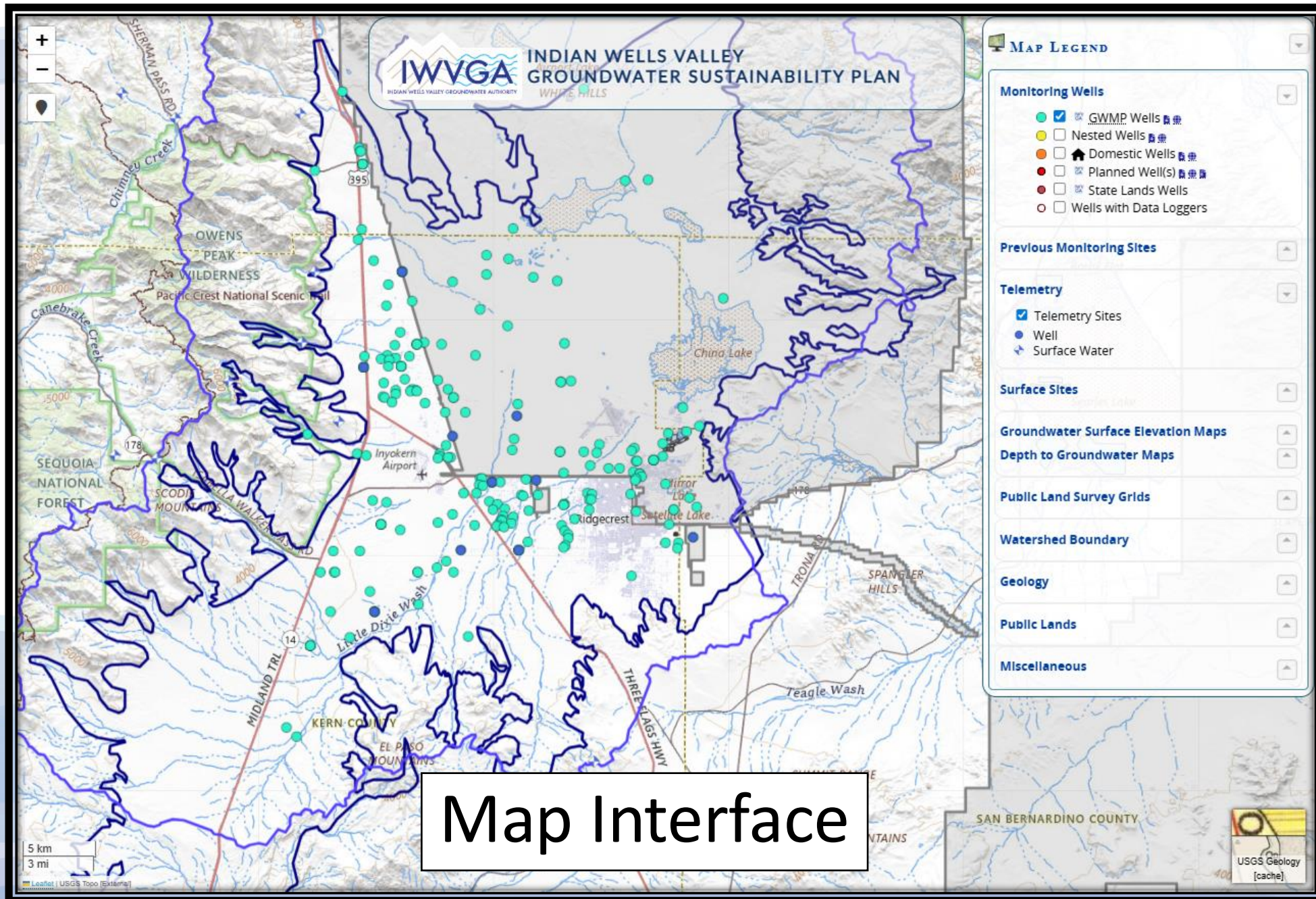
[Well Info](#)

### Well Summary

| Well Name | State ID      | DBID | Land Surface | Measuring Point |
|-----------|---------------|------|--------------|-----------------|
| USBR-05   | 255/38E-34G01 | 157  | 2,520        | 2,523           |

### SGMA criteria (Lowering GW Levels) as Groundwater Elevation (feet)

| Last Measurement | Measurable Objective | Minimum Threshold | 2025 Milestone | 2030 Milestone | 2035 Milestone |
|------------------|----------------------|-------------------|----------------|----------------|----------------|
| 2,156            | 2,156                | 2,151             | 2,157          | 2,156          | 2,156          |



## Map Interface



## GROUNDWATER SUSTAINABILITY PLAN

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### 26S/39E-17G02

#### Data Table

|                        |                   |
|------------------------|-------------------|
| Well Name              | 26S/39E-17G02     |
| State ID               | 26S/39E-17G02     |
| Alt. Name              | Kerr McGee        |
| Database ID            | 126               |
| Type/Status            | Monitoring/Active |
| Construction Date      | n/a               |
| Land Surface Elevation | 2,357 ft          |
| MP Elevation           | 2,358.04 ft       |
| Total Depth            | 881 ft            |
| Boring Depth           | 943 ft            |
| Perforations           | 681-881           |
| Yield                  | n/a               |

#### Water Level Data Sets

KCWA WL 3/1989 to 9/2025

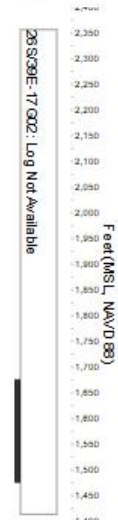
#### External Identifiers

CASGEM Well Key [55036](#)  
Master Site Code [356764N1178045W001](#)

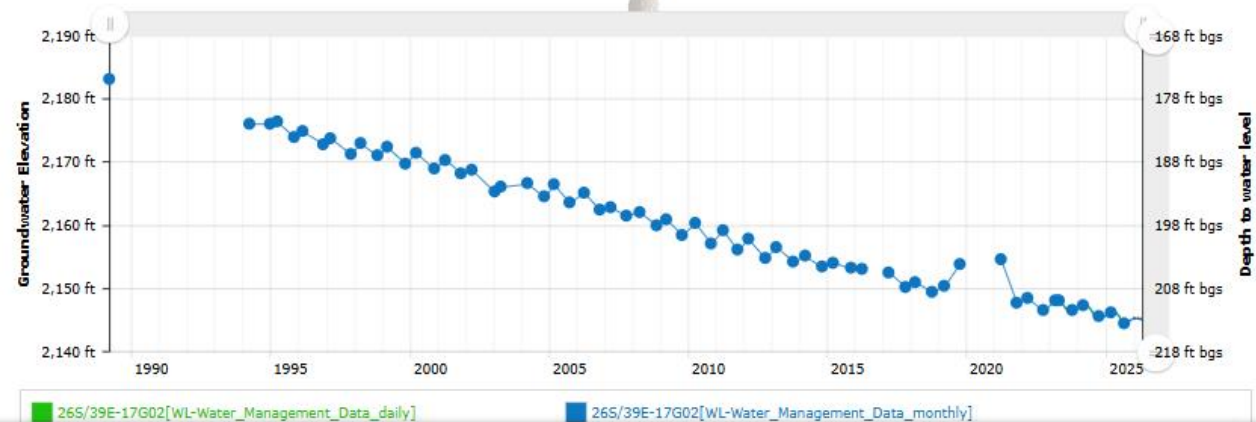
#### Location

Easting 2058335.0084 m  
Northing 2058335.008 m  
Accuracy Unspecified

#### Well Log



#### GRAPH



# Current Real-Time Groundwater Levels

GRAPH





## GROUNDWATER SUSTAINABILITY PLAN

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### LIBRARY SEARCH MATCHES

7 documents found with the exact phrase **GSP Annual Report** in keywords

Page 1 (Records 1 - 7)

2026. [GSP Annual Report Water Year 2025. \(October 2024 to September 2025\).](#) **Steele, Heather** Stetson Engineers Indian Wells Valley Groundwater Authority

Annual Report SGMA Annual Report (Sustainable Groundwater Management Act Annual Report Water Year 2025 for Indian Wells Valley.)

ID: [258.](#) [PDF](#) (31.5 MiB)



2025. [GSP Annual Report Water Year 2024. \(October 2023 to September 2024\).](#) **Steele, Heather** Stetson Engineers Indian Wells Valley Groundwater Authority

Annual Report SGMA Annual Report (Sustainable Groundwater Management Act Annual Report Water Year 2024 for Indian Wells Valley.)

ID: [256.](#) [PDF](#) (33.9 MiB)



2024. [GSP Annual Report Water Year 2023. \(October 2022 to September 2023\).](#) **Steele, Heather** Stetson Engineers Indian Wells Valley Groundwater Authority

Annual Report SGMA Annual Report (Sustainable Groundwater Management Act Annual Report Water Year 2023 for Indian Wells Valley.)

ID: [247.](#) [PDF](#) (8.8 MiB)



### SEARCH CRITERIA

Title:

Subtitle:

Author:

Organization:

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Keywords:

Hide Confidential: ☐

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Sort by: ☐ None ☐ Title ☐ Author ☒ Year

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# Indian Wells Valley Data Management System Access



- Public Access to data complied by the IWVGA.
- Data continuously updating – including water levels and water quality data.

<https://iwvgsp.com/>



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