

SEPTEMBER ADVISORY COMMITTEE MEETINGS

# Butte Valley Groundwater Advisory Committee Meeting

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ASSOCIATES  
science | policy | solutions



# Agenda

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1. Introductions, Agenda Review
2. Approval of Past Meeting Summary
3. Public Comment Period
4. District Staff Updates
5. Announcements from DWR and Other Agencies
6. Committee Member Updates
7. Technical Team Presentation
8. Discussion: DWR Implementation Grant Proposal
9. Reflection on Next Steps
10. Adjourn

# Introductions, Agenda Review

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# Approval of Past Meeting Summary

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# Public Comment Period

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# District Staff Updates

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- GSP submittal
- Annual Report
- Well permitting
- What's next?
  - DWR implementation grant submittal
  - Multi-Basin Management Strategy Document: interviews and survey
  - Working to develop opportunities to improve monitoring and data collection

# Announcements and Updates

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- Announcements from DWR and other Agencies
- Committee Member Updates

# Technical Items

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- Annual Report
- Update on monitoring and measurement
- Preparation for Implementation Grant Proposal



# Annual Report

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- Annual reports are to be submitted each year on April 1<sup>st</sup> following GSP submittal and include information for the prior water year
- First annual report was submitted and covers October 2020 to September 2021
- Annual Reports include:
  - GSA's progress in GSP implementation
  - Data collected from monitoring network
  - Groundwater extractions, surface water supply, total water use and changes in groundwater storage

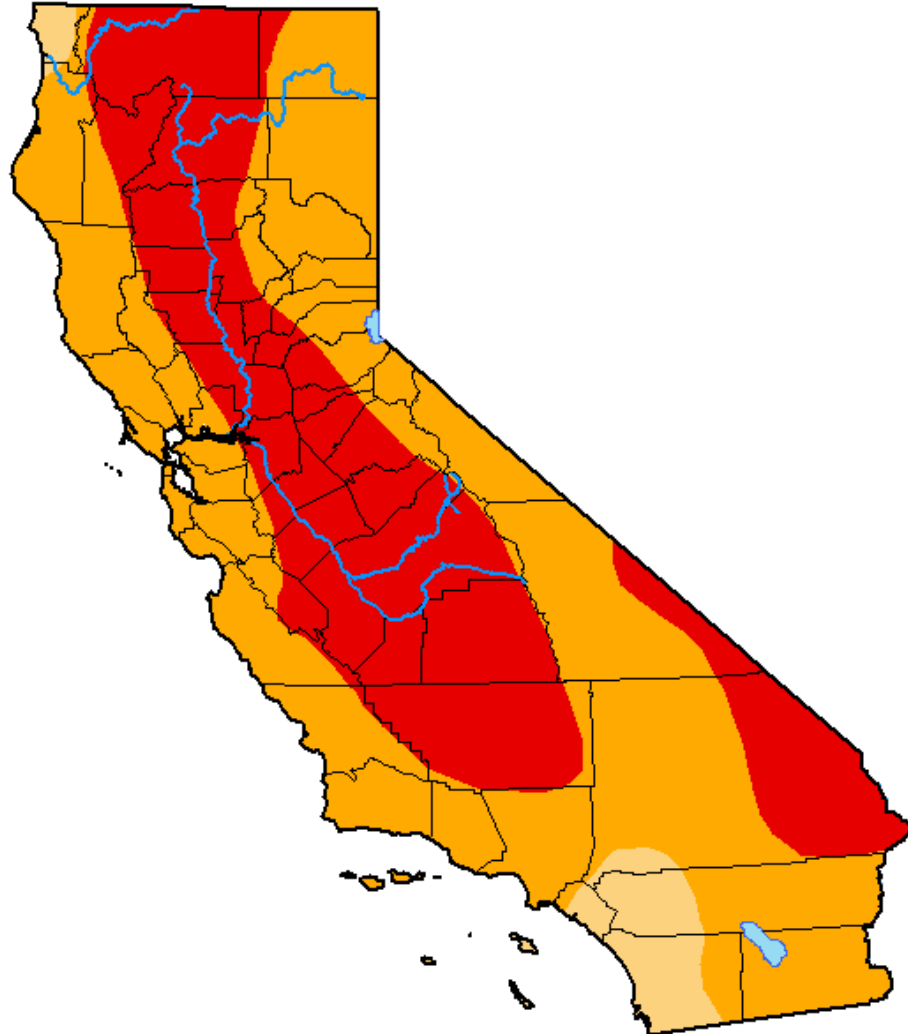
# Annual Report- Update on Hydrologic Conditions

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- WY2021 was dry statewide
- Drought conditions
- For Butte Valley, estimates of groundwater use for WY2021 are not thought to have changed significantly from WY2020.
- Generally, groundwater levels are observed to have decreased.

# U.S. Drought Monitor California

**April 26, 2022**  
(Released Thursday, Apr. 28, 2022)  
Valid 8 a.m. EDT



### Intensity:

-  None
-  D0 Abnormally Dry
-  D1 Moderate Drought
-  D2 Severe Drought
-  D3 Extreme Drought
-  D4 Exceptional Drought

*The Drought Monitor focuses on broad-scale conditions. Local conditions may vary. For more information on the Drought Monitor, go to <https://droughtmonitor.unl.edu/About.aspx>*

### Author:

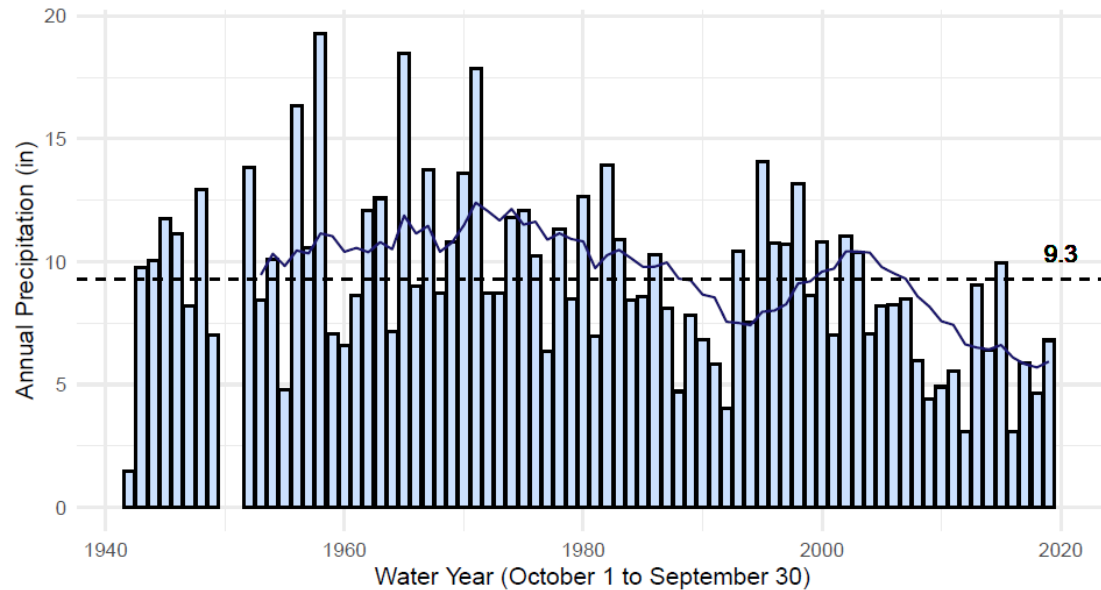
Brad Rippey  
U.S. Department of Agriculture



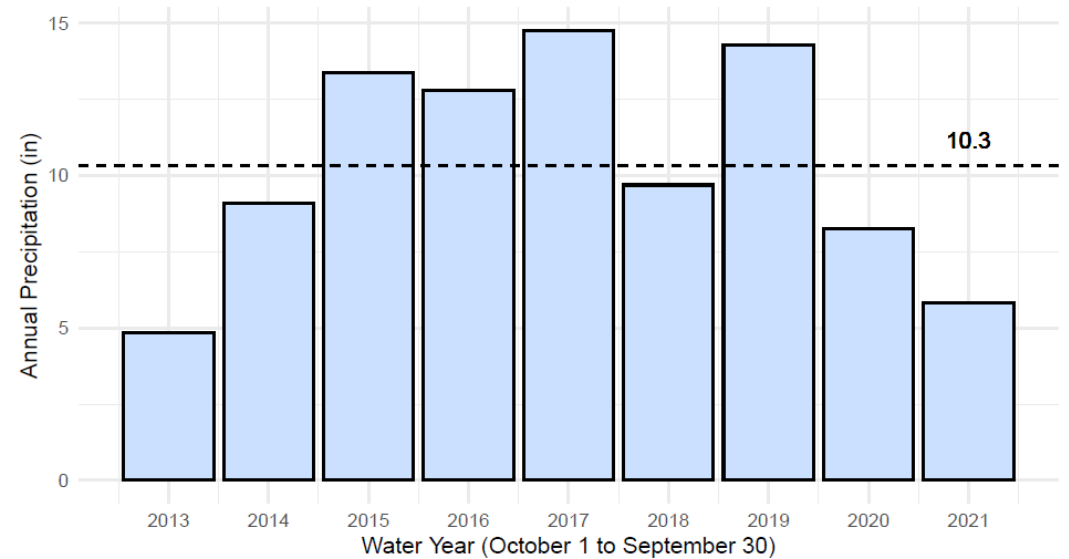
[droughtmonitor.unl.edu](https://droughtmonitor.unl.edu)

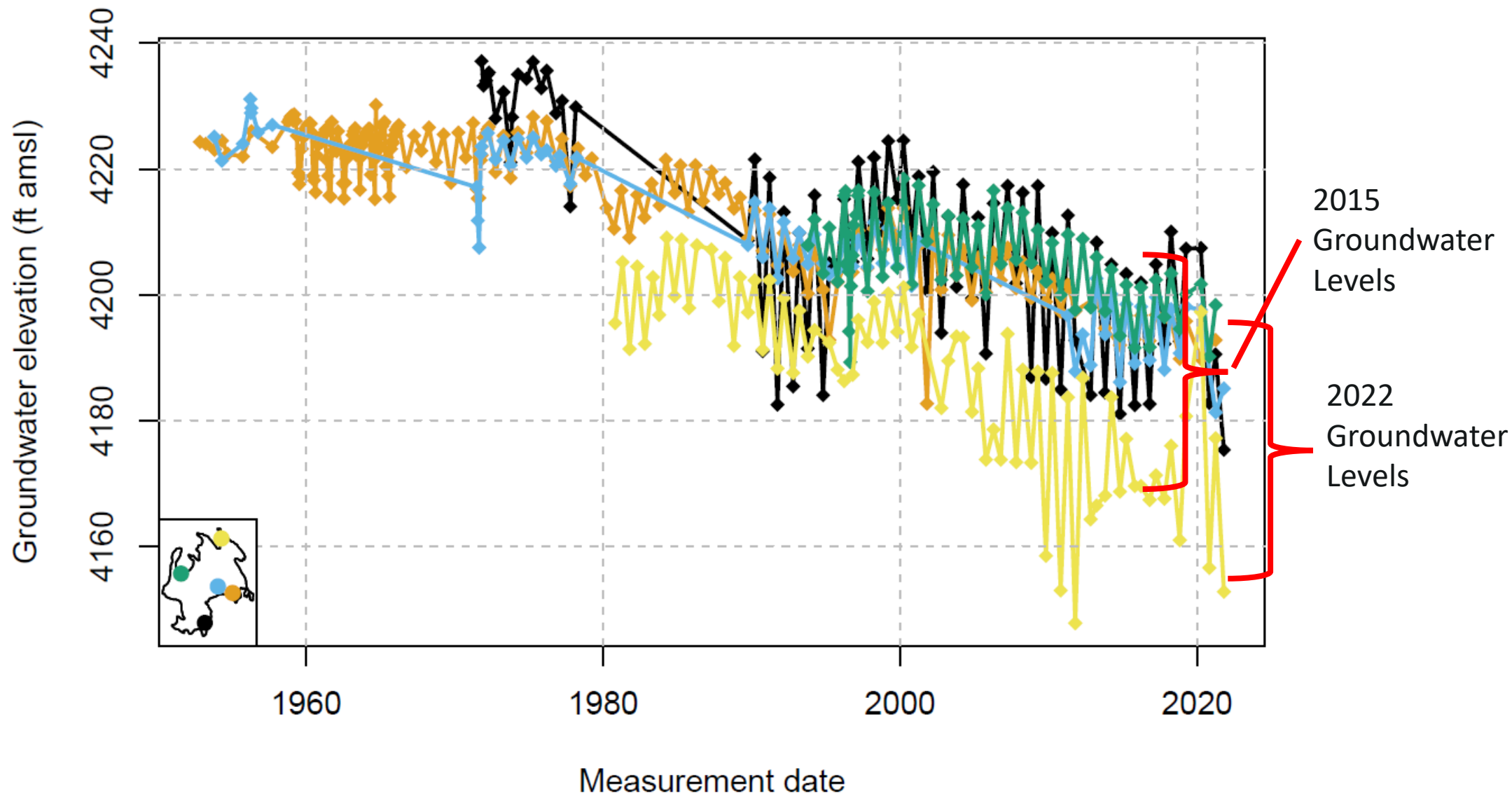
# Precipitation in Butte Valley

**A** Annual water year precipitation with 10-year rolling and long-term means  
MOUNT HEBRON RANGER STATION, CA US

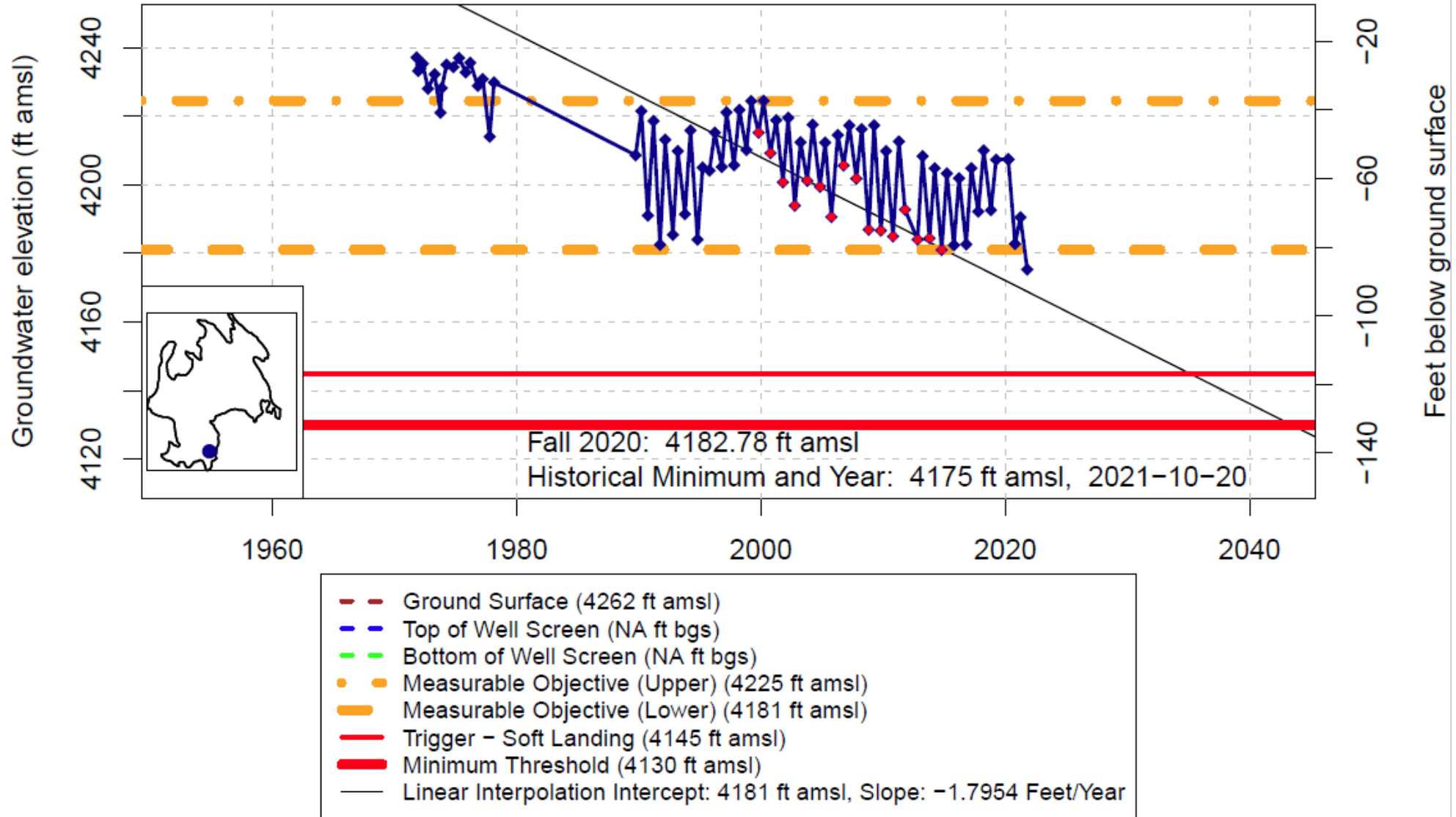


**A** Annual water year precipitation with 9-year rolling and long-term means  
DORRIS 0.2 SW, CA US

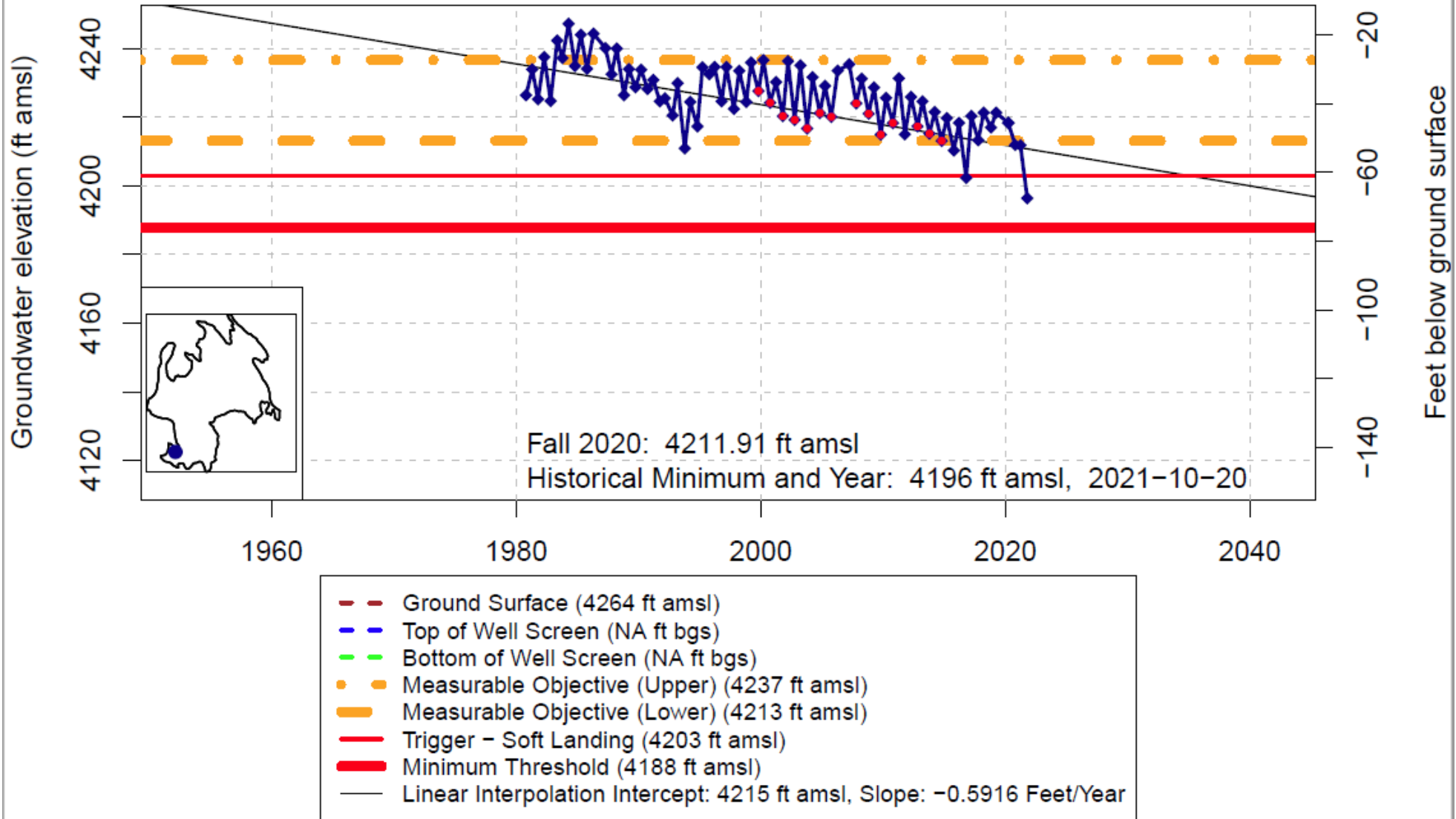




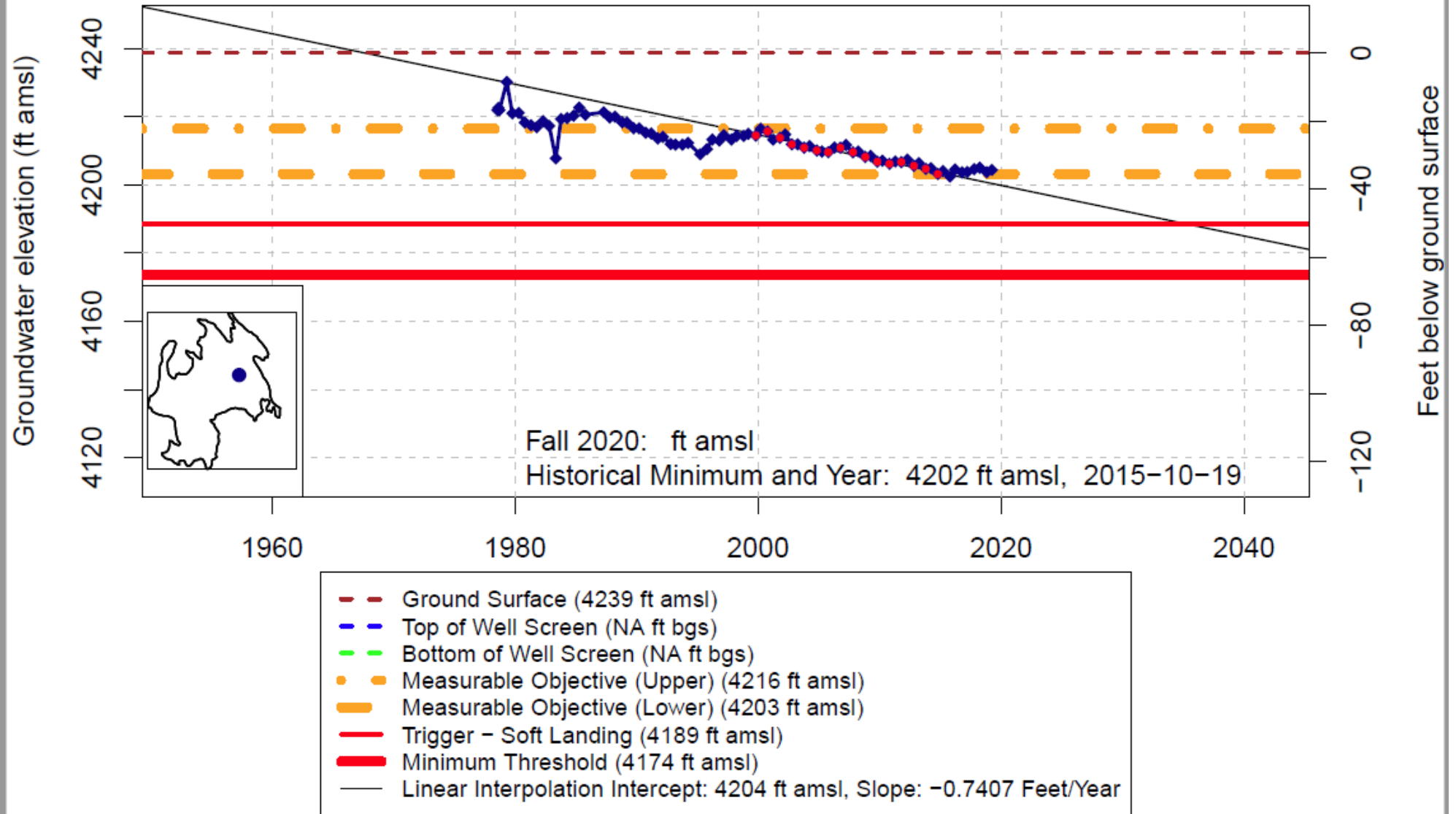
DWR Stn\_ID: ; well\_code: 417786N1220041W001; well\_name: 45N01W06A001M; well\_swn: 45N01W06A001M



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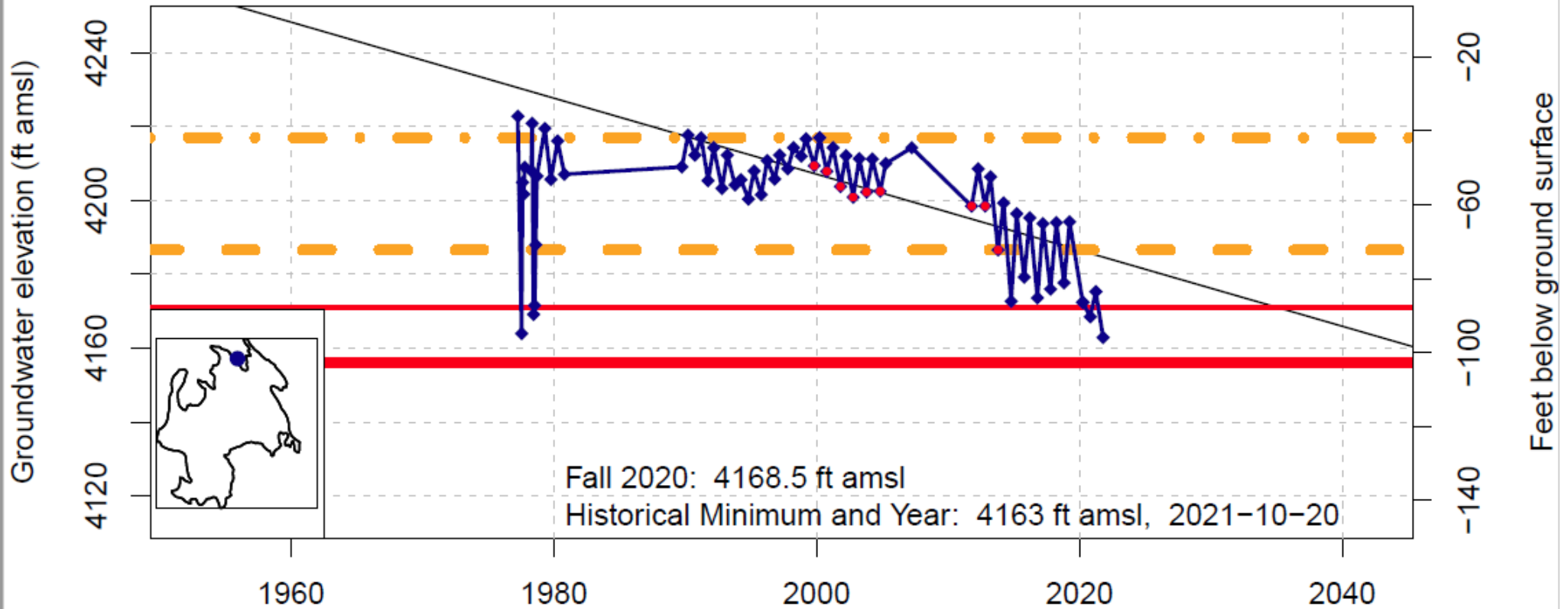


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DWR Stn\_ID: ; well\_code: 419755N1219785W001; well\_name: 48N01W28J001M; well\_swn: 48N01W28J001M



Fall 2020: 4168.5 ft amsl  
Historical Minimum and Year: 4163 ft amsl, 2021-10-20

- Ground Surface (4259 ft amsl)
- Top of Well Screen (180 ft bgs)
- Bottom of Well Screen (240 ft bgs)
- Measurable Objective (Upper) (4217 ft amsl)
- Measurable Objective (Lower) (4187 ft amsl)
- Trigger - Soft Landing (4171 ft amsl)
- Minimum Threshold (4156 ft amsl)
- Linear Interpolation Intercept: 4192 ft amsl, Slope: -1.0284 Feet/Year

# Monitoring Update

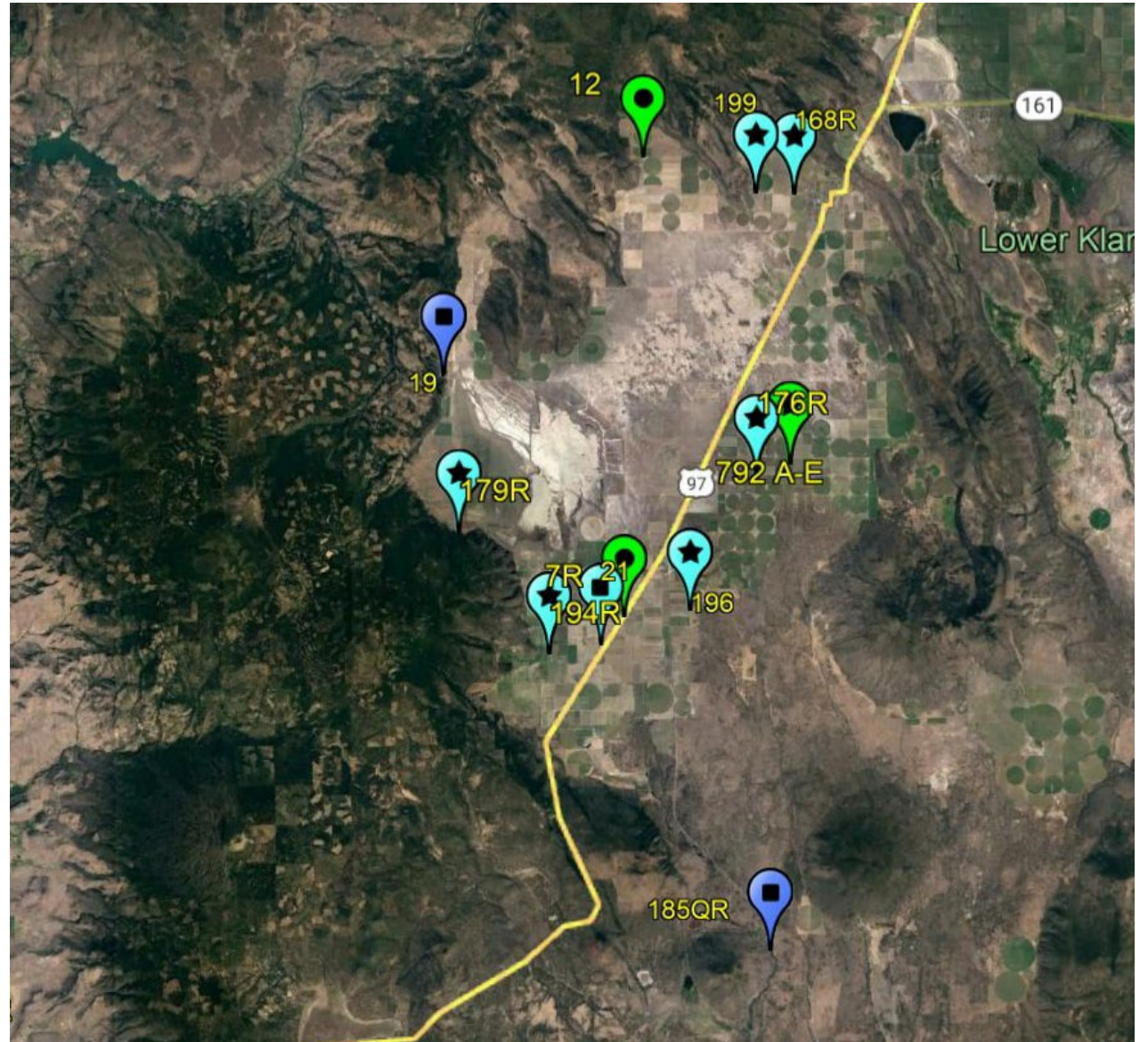
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Note:

Green = GW + Soil Sensors

Light Blue = GW, potential to add soil sensors

Dark Blue = GW, no potential to add soil sensors



# Funding

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- Recent Grants:
  - City of Dorris - Small Community Drought Relief Program Grant
    - Water line upgrades in the City of Dorris
    - New drinking water well for the City of Dorris (planned)
    - Emergency drinking water supply or repairs in the Butte Watershed for those in need (pending well outage survey results)
- Additional Funding Opportunities

# DWR Implementation Grant Overview

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- Tentative Schedule
  - Medium & High Priority Round 2 Grant Solicitation opens- [October 2022](#)
  - Application period ends- [November 30, 2022](#)
  - Final Award List Posted- [August 2023](#)
- Proposal components
  - Applicant information and eligibility
  - Project information
  - Work Plan
  - Budget and schedule
  - Authorizing documentation
  - Self-certification

# Grant overview

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- **Grant amounts:** \$1 million - \$20 million
- **Total potentially available:** about \$250 Mio (\$17m of that for San Joaquin only). Grant mgr suggests ranking our requests.
- **Match Requirement:** None for Disadvantaged Communities
- **Anticipated Grant Period:** Summer 2023 to 2027
- **Eligible projects can include planning and implementation for projects included in the GSP.**
- Each component will be scored separately; then an average taken. So, one weak component can hurt.
- Be clear about quantifiable benefits. Outreach/engagement. Small water systems, domestic well owners, human right to water (7 out of the 30 points).

# Implementation Grant Proposal: Determined Components

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- GSP Management and administration
- Fee Study Continuation
- Economic Analysis Continuation
- Stakeholder outreach
- GSP Updates include:
  - Responses to DWR comments on initial GSP
  - Annual Reports and 2027 GSP update
  - Data Management
  - Model Updates Address data gaps

# Implementation Grant Proposal: Discussion Components

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- Well Inventory & Application Program Development
  - With Environmental Health & other County Departments
  - Include component for evaluating new well permit applications under County Ordinance and/or Gov. Order N-7-22
- Irrigation Efficiency Projects
- Recharge Projects Evaluation

# Implementation Grant Proposal: Discussion Components

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- Data Gap Assessment
  - Tracking and monitoring inputs into Basin
  - Outreach with other entities
- Butte Valley Model Update & Scenario Testing
- Monitoring Expansion
  - Extension of Monthly Groundwater Measurement Program
  - Extension of continuous monitoring sites
- Data Management Site
- County GIS Platform



# City of Dorris Pipeline Repairs

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- The City of Dorris water pipeline repairs and meter project
  - The City of Dorris will continue repairs to aging water pipelines.
  - Water meter installation will continue.
  - A new backup supply well will be investigated and built for the City of Dorris.

# Well Outage Survey and Domestic Well Support Fund

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- As part of the City of Dorris grant repairing and upgrading the water supply in the City of Dorris a survey and well repair fund was created
  - Limited well survey is being started in the area around the City of Dorris, Macdoel, Mount Hebron, and will expand to the Butte valley.
  - Some funds exist to support domestic users who have domestic well failure due to lowering water levels.

# Discussion: DWR Grant Implementation Proposal

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- Projects/ activities to be included in implementation grant
- Feedback from Advisory Committee

# Closing/Next Steps

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- Ad Hoc Committees
- Multi-Basin Meetings



**Thank You**