



# Groundwater Sustainability Commission Meeting

February 9, 2022



# Roll Call

City Staff

# Pledge of Allegiance





**Agenda Item 4:  
Consider Adopting Resolution to  
Continue Meeting Remotely**

County staff



## Agenda Item 4:

# Consider Adopting Resolution to Continue Meeting Remotely

### Summary

- Virtual Meetings allowed during COVID-19
  - Executive Order (3/4/20 - 9/30/21)
  - AB 361 (9/16/21 - current, conditional)
    - *Find in person meeting presents imminent risks*
    - *Considered every 30 days*

Recommendation: Adopt Resolution to continue this meeting virtually.



## Agenda Item 4:

# Consider Adopting Resolution to Continue Meeting Remotely

### By phone:

Press \*9 to “raise your hand” to make a comment

Press \*6 to unmute or mute when prompted

### From your computer:

Click the “raise hand” icon to make a public comment

Click the unmute button when prompted



# **Agenda Item 5: Public Comment – Items not on Agenda**

Chair



# Public Comments



## By phone:

Press \*9 to “raise your hand” to make a comment

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## From your computer:

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# **Agenda Item 6: Approval of Meeting Minutes**

Chair



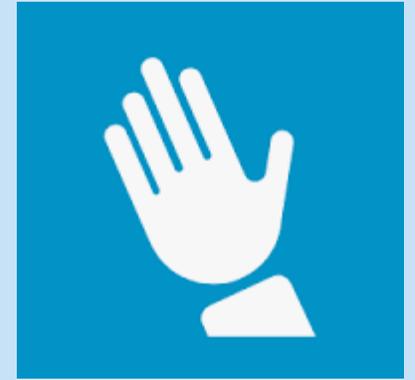
# **Agenda Item 6:**

## **Approval of Meeting Minutes**

- **October 6, 2021**
- **October 20, 2021**



# Public Comments



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# **Agenda Item 7: Update Conflict of Interest Code**

County Staff



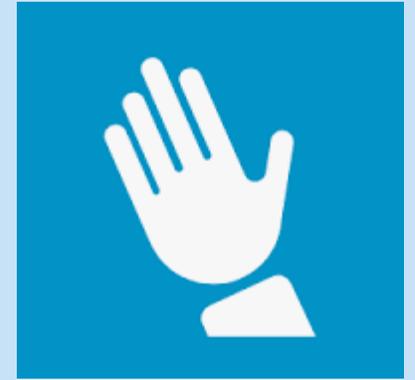
# Agenda Item 7: Update Conflict of Interest Code

- **Summary**
  - **FPPC requires government agencies to adopt COIC**
    - *Must update biannually and as needed*
  - **COIC: tool to help ensure officials are acting in public interest**
    - *Designated Positions & Disclosure categories*
  - **GSC adopted COIC in 2018**
    - *must update biannually and as needed*
  - **County's Groundwater Sustainability Director must be added**

**Recommendation: Adopt Resolution amending COIC to  
include GSD**



# Public Comments



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**Agenda Item 8:  
Receive presentation on Draft  
Water Year 2021 Annual Report  
for the San Luis Obispo Valley  
Basin**

GSI Water Solutions, Inc.



## Agenda Item 8:

# Receive presentation on Draft Water Year 2021 Annual Report for the San Luis Obispo Valley Basin

## Schedule

| Task                  | Item                                 |
|-----------------------|--------------------------------------|
| GSC Meeting           | February 9, 2022                     |
| Public Comment Period | February 14, 2022- February 23, 2022 |
| GSC Meeting           | March 9, 2022                        |
| Annual Report Due     | April 1, 2022                        |

# Water Year 2021 Annual Report for the San Luis Obispo Valley Basin (Draft)

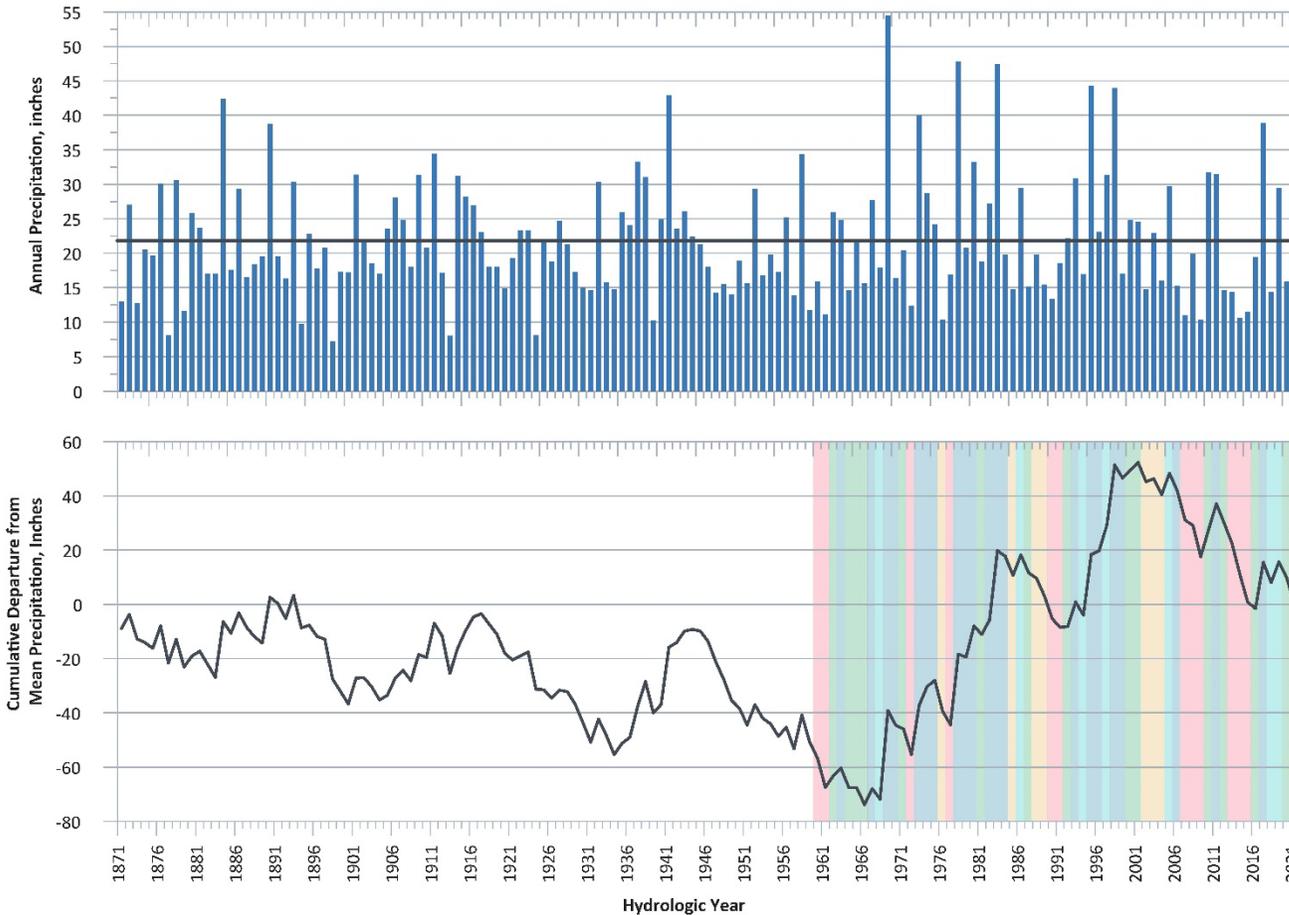
February 9, 2021



# Report Outline

1. Executive Summary
2. Basin Setting and Monitoring Networks
3. Groundwater Elevations
4. Groundwater Extractions
5. Surface Water Use
6. Total Water Use
7. Change of Groundwater in Storage
8. Progress Toward Sustainability

Weather Station: Cal Poly  
1871 - 2021 Mean Annual Precipitation: 21.84 inches



**FIGURE 2**  
**Cal Poly**  
**Annual Precipitation and**  
**Cumulative Departure from**  
**Mean Annual Precipitation**  
San Luis Obispo, California

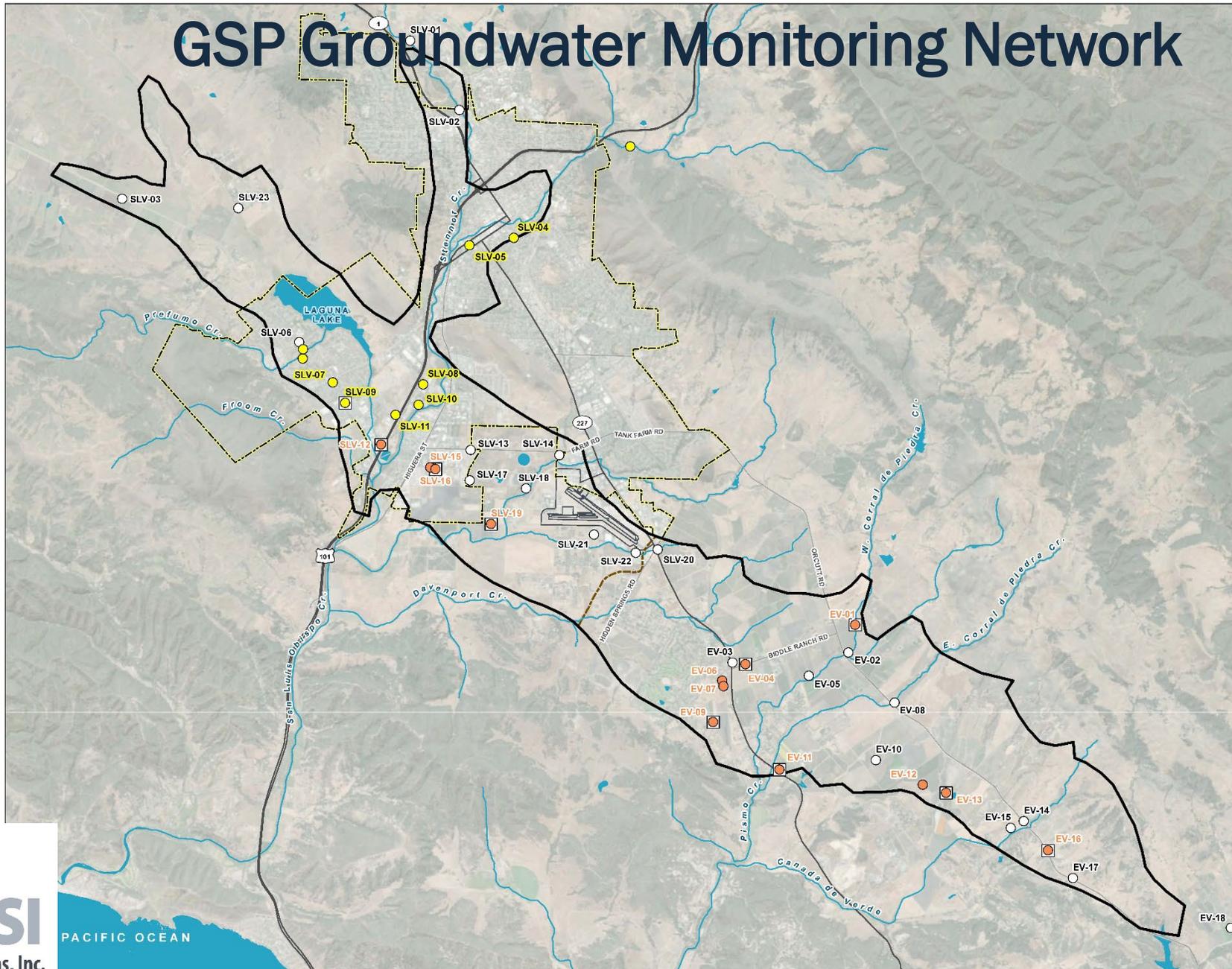
**LEGEND**

- Cumulative Departure
- Water Year Type**
- Wet
- Above Normal
- Below Normal
- Dry
- Critical

**DRAFT**



# GSP Groundwater Monitoring Network



**FIGURE 3**  
**Proposed Groundwater Level**  
**Monitoring Network**  
 San Luis Obispo, California

**DRAFT**

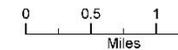
**LEGEND**

**Monitoring Well**

- GSP Approved
- City
- County
- Representative Monitoring Well

**All Other Features**

- ⊞ Bulletin 118 Boundary
- Bedrock Divide
- City Boundary
- SLO Airport
- Major Road
- ~ Watercourse
- Waterbody



Water



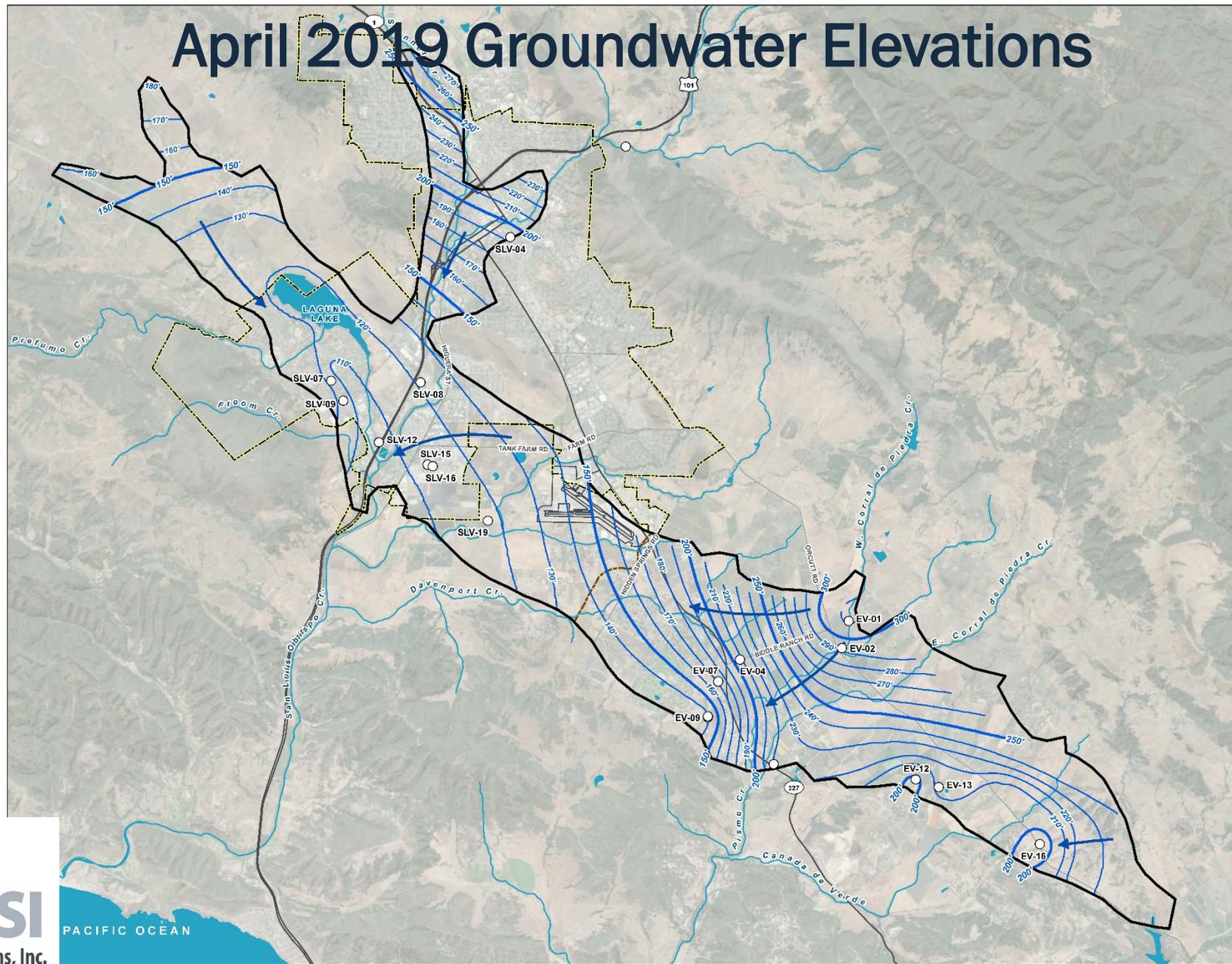
Date: February 4, 2022  
 Data Sources: BLM, ESRI, USGS,  
 Aerial Photo 2020



PACIFIC OCEAN

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# April 2019 Groundwater Elevations

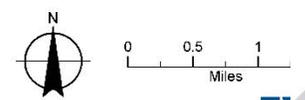


**FIGURE 4**  
**April 2019**  
**Groundwater Contours**  
**San Luis Obispo, California**

**DRAFT**

**LEGEND**

- Well
- Groundwater Contour, Spring 2020 (dashed where inferred)
- Groundwater Flow Direction
- All Other Features**
- ⊞ Bulletin 118 Boundary
- Bedrock Divide
- ⊞ City Boundary
- ⊞ SLO Airport
- Major Road
- Watercourse
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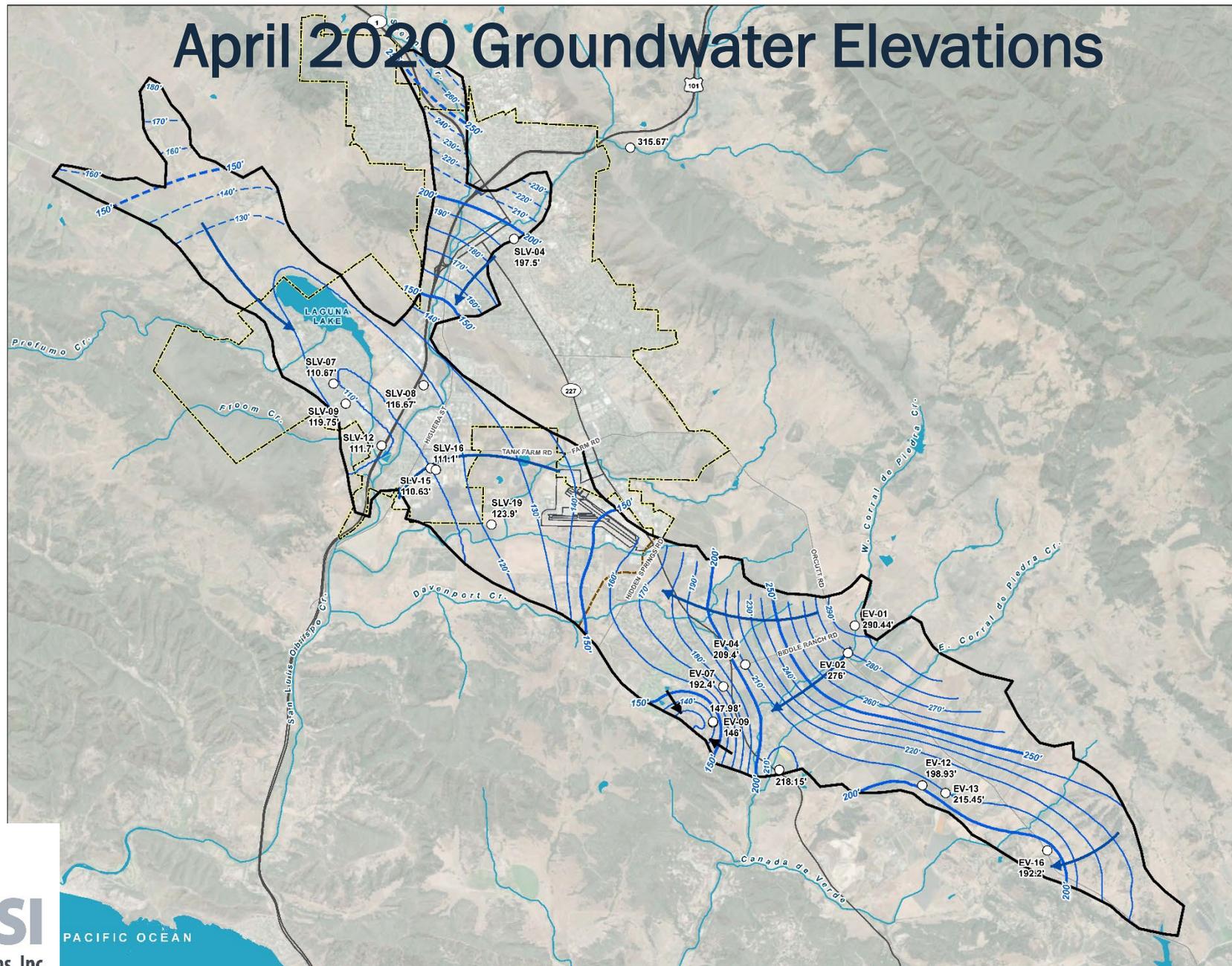


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 Aerial Photo 2020



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# April 2020 Groundwater Elevations

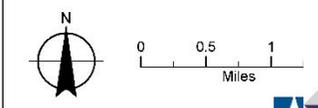


**FIGURE 5**  
**April 2020**  
**Groundwater Contours**  
**San Luis Obispo, California**

**DRAFT**

**LEGEND**

- Well
- Groundwater Contour, Spring 2020 (dashed where inferred)
- Groundwater Flow Direction
- ⬇ Pumping Depression
- All Other Features**
- ⬭ Bulletin 118 Boundary
- Bedrock Divide
- ⬭ City Boundary
- ✈ SLO Airport
- Major Road
- Watercourse
- Waterbody

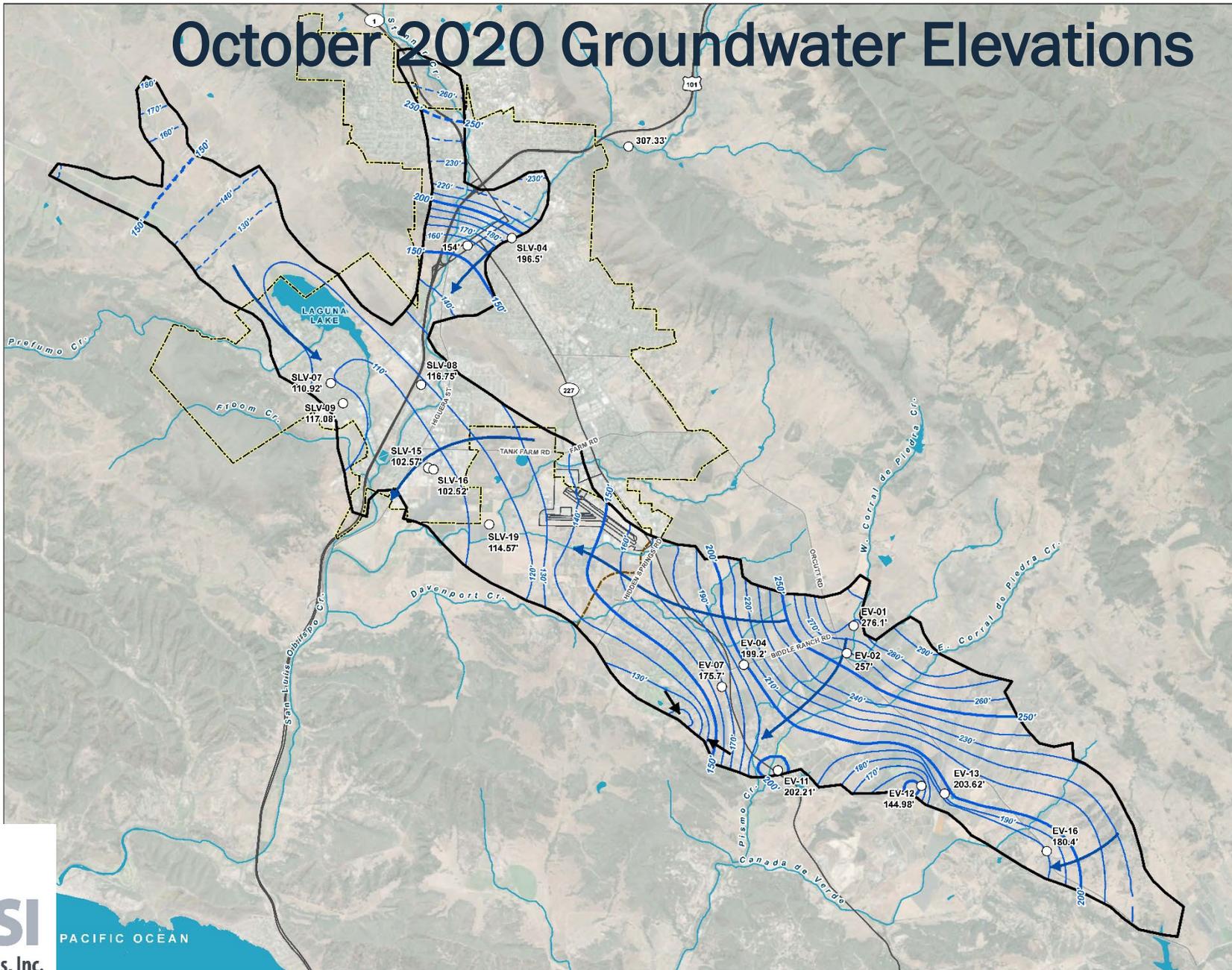


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 Aerial Photo 2020



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# October 2020 Groundwater Elevations

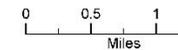


**FIGURE 6**  
**October 2020**  
**Groundwater Contours**  
**San Luis Obispo, California**

**DRAFT**

**LEGEND**

- Well
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- Groundwater Flow Direction
- Pumping Depression
- All Other Features**
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**CHG**

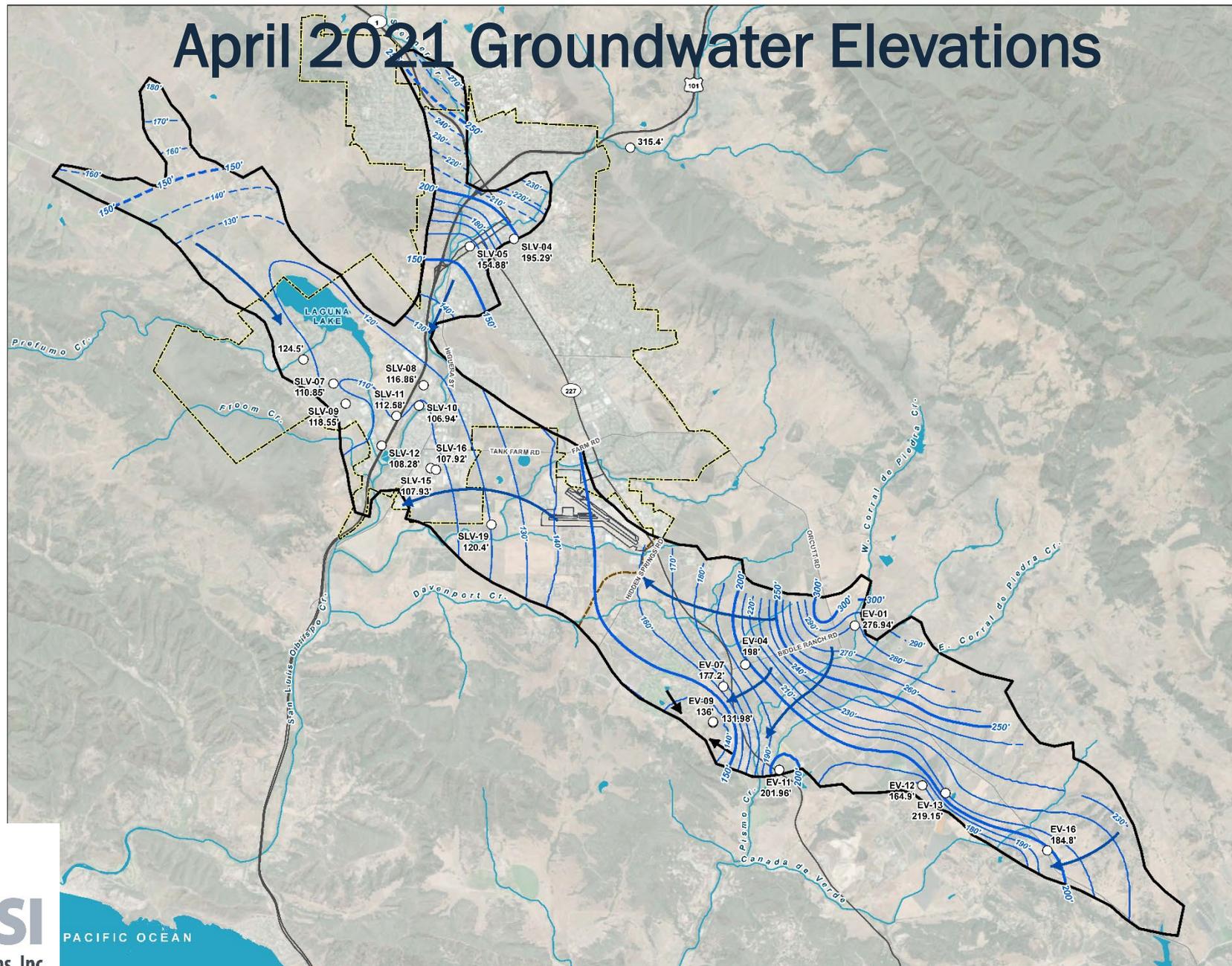
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PACIFIC OCEAN

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# April 2021 Groundwater Elevations

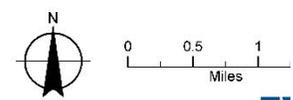


**FIGURE 7**  
**April 2021**  
**Groundwater Contours**  
**San Luis Obispo, California**

**DRAFT**

**LEGEND**

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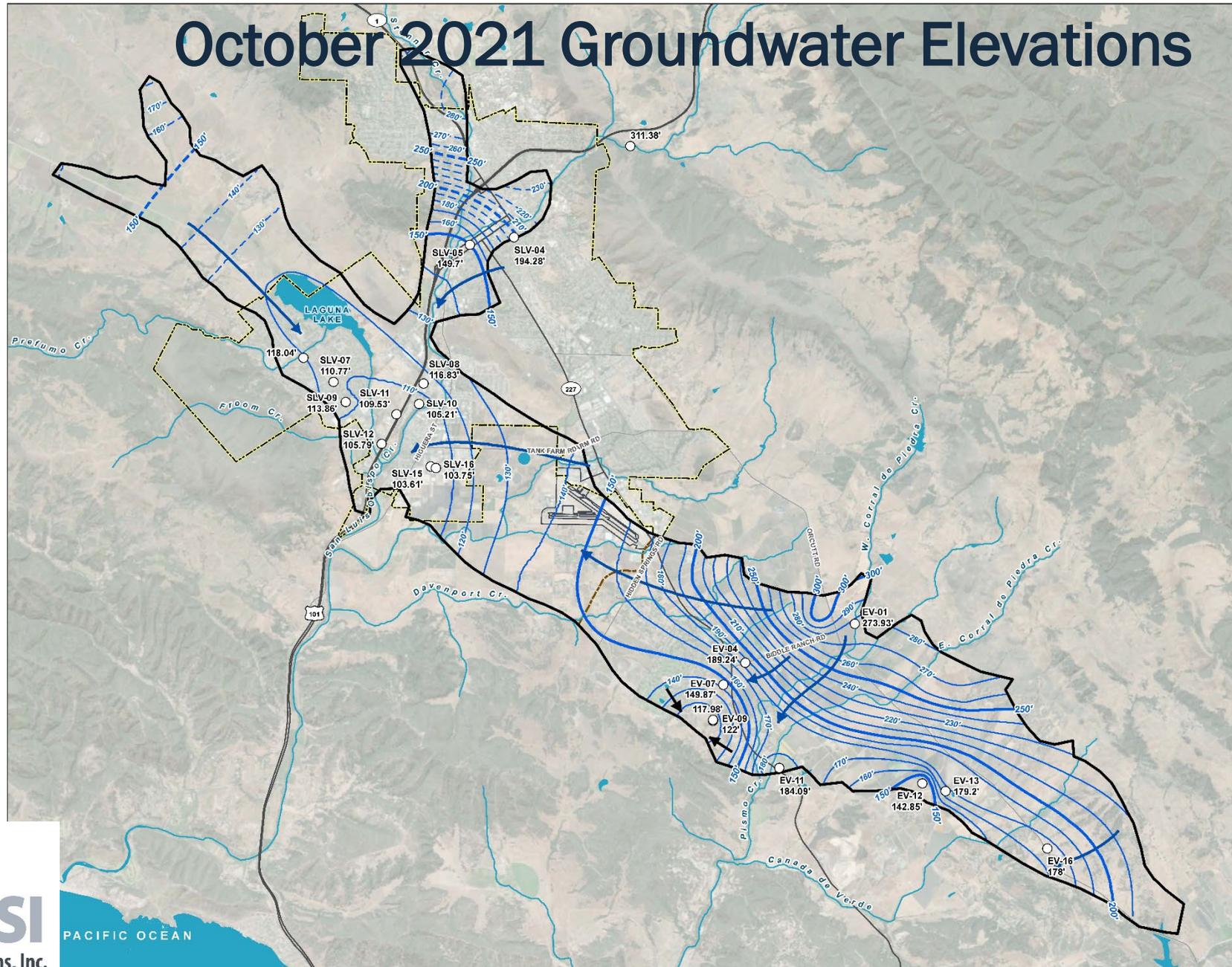


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# October 2021 Groundwater Elevations

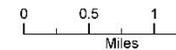


**FIGURE 8**  
**October 2021**  
**Groundwater Contours**  
**San Luis Obispo, California**

**DRAFT**

**LEGEND**

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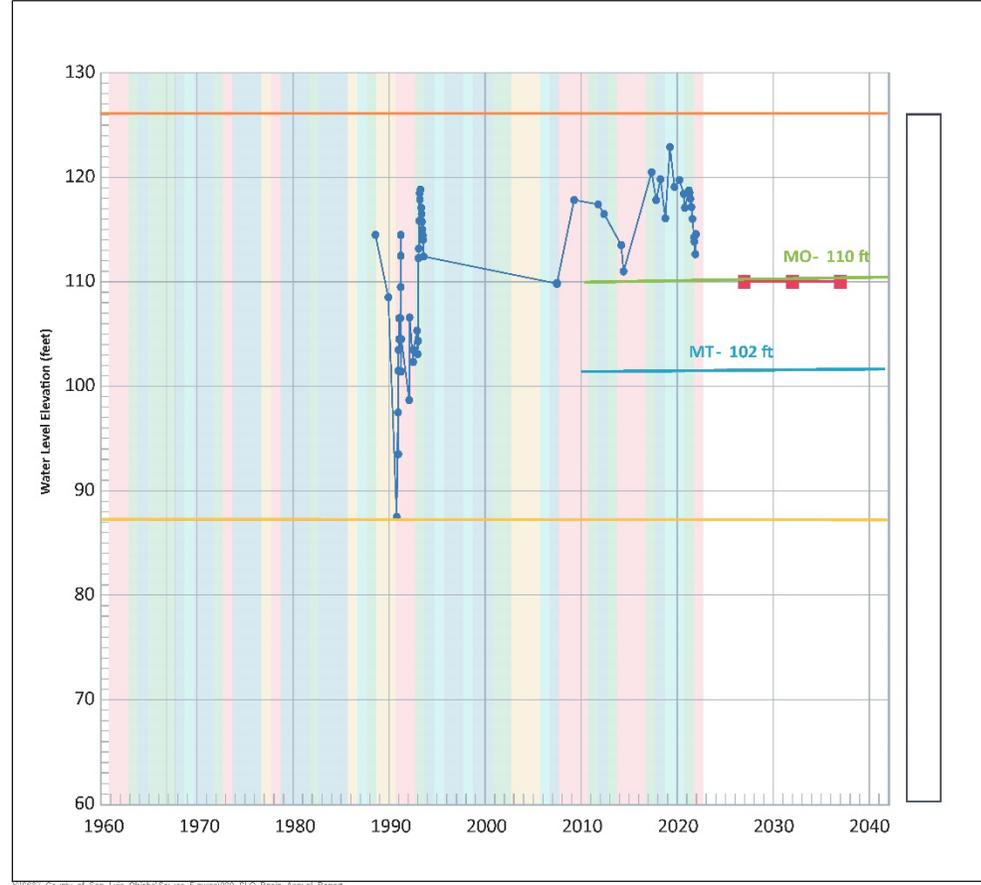
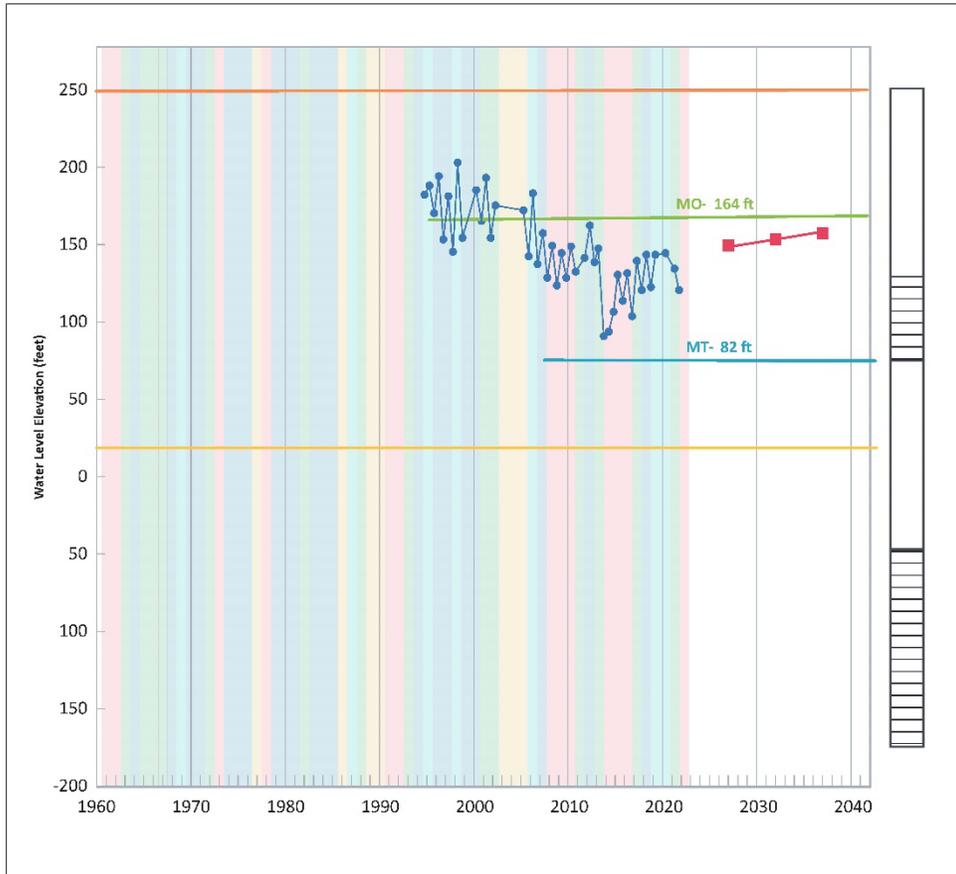
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# Hydrographs

For the 10 RMS wells



# Basin Groundwater and Surface Water Use

| Water Year | Groundwater Extractions by Water Use Sector |                             |                  | Total (AF) |
|------------|---|-----------------------------|------------------|------------|
|            | Municipal (AF)                              | PWS and Rural Domestic (AF) | Agriculture (AF) |            |
| 2020       | 0   | 1,250                       | 4,960            | 6,210      |
| 2021       | 0   | 1,250                       | 5,030            | 6,280      |

| Water Year | Nacimiento Water Project (AF) | Whale Rock Reservoir (AF) | Salinas Reservoir (AF) | Total Surface Water Use (AF) |
|------------|-------------------------------|---------------------------|------------------------|------------------------------|
| 2020       | 1,562                         | 1,459                     | 2,154                  | 5,176                        |
| 2021       | 1,266                         | 1,491                     | 2,691                  | 5,488                        |



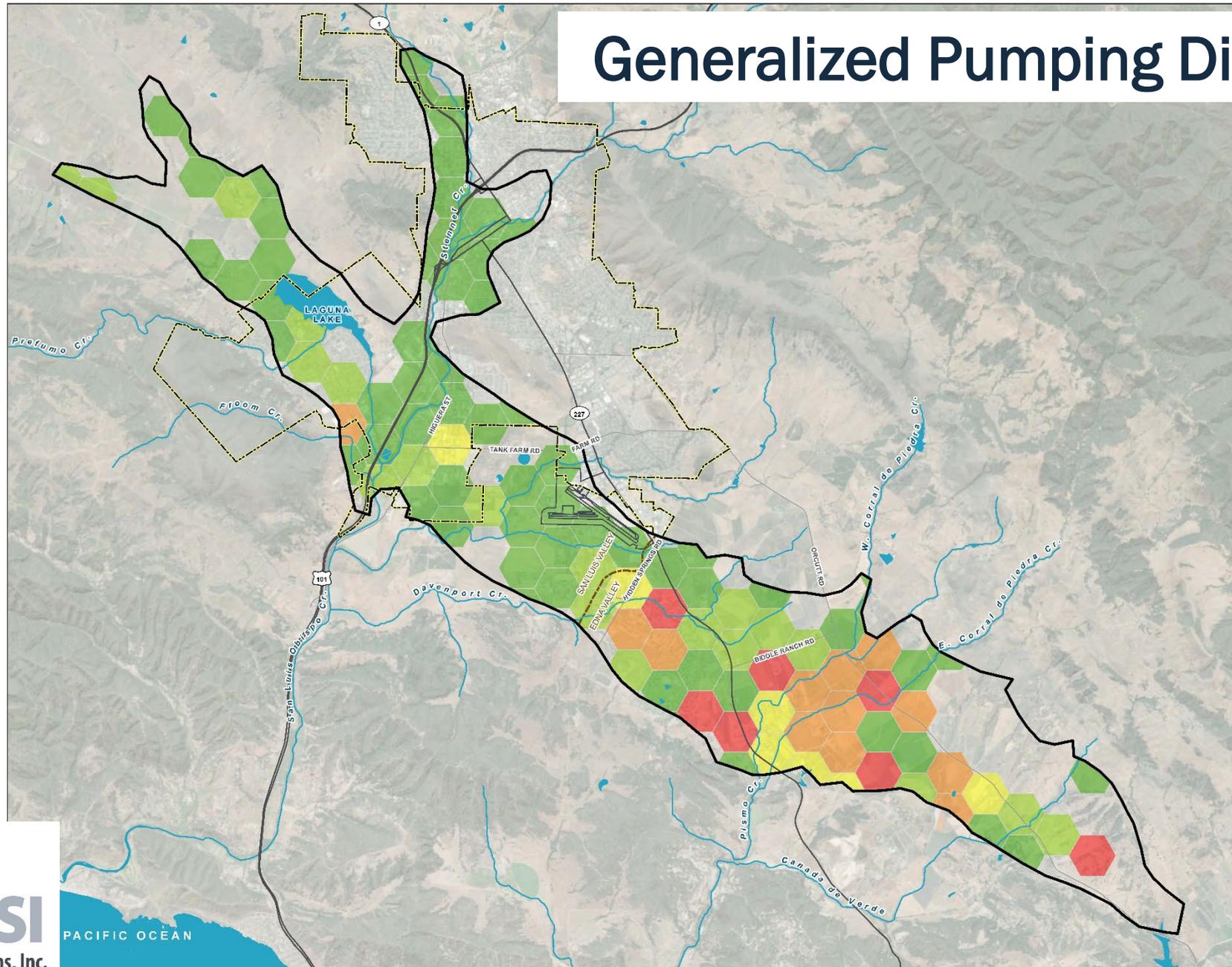
# Basin Total Water Use

| Water Year         | Municipal (AF) |               | PWS and Rural Domestic (AF)              | Agriculture (AF)         | Total (AF) |
|--------------------|----------------|---------------|--|--------------------------|------------|
|                    | Groundwater    | Surface Water | Groundwater                              | Groundwater              |            |
| 2020               | 0              | 5,176         | 1,250                                    | 4,960                    | 11,390     |
| 2021               | 0              | 5,448         | 1,250                                    | 5,030                    | 11,728     |
| Method of Measure: | Metered        | Metered       | PWS-Metered<br>Rural Domestic- Estimated | Soil-Water Balance Model |            |
| Level of Accuracy: | high           | high          | low-medium                               | medium                   |            |



# Generalized Pumping Distribution

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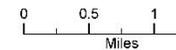
## LEGEND

### Average Q AFY

- >0 - 25
- >25 - 50
- >50 - 100
- >100 - 200
- >200

### All Other Features

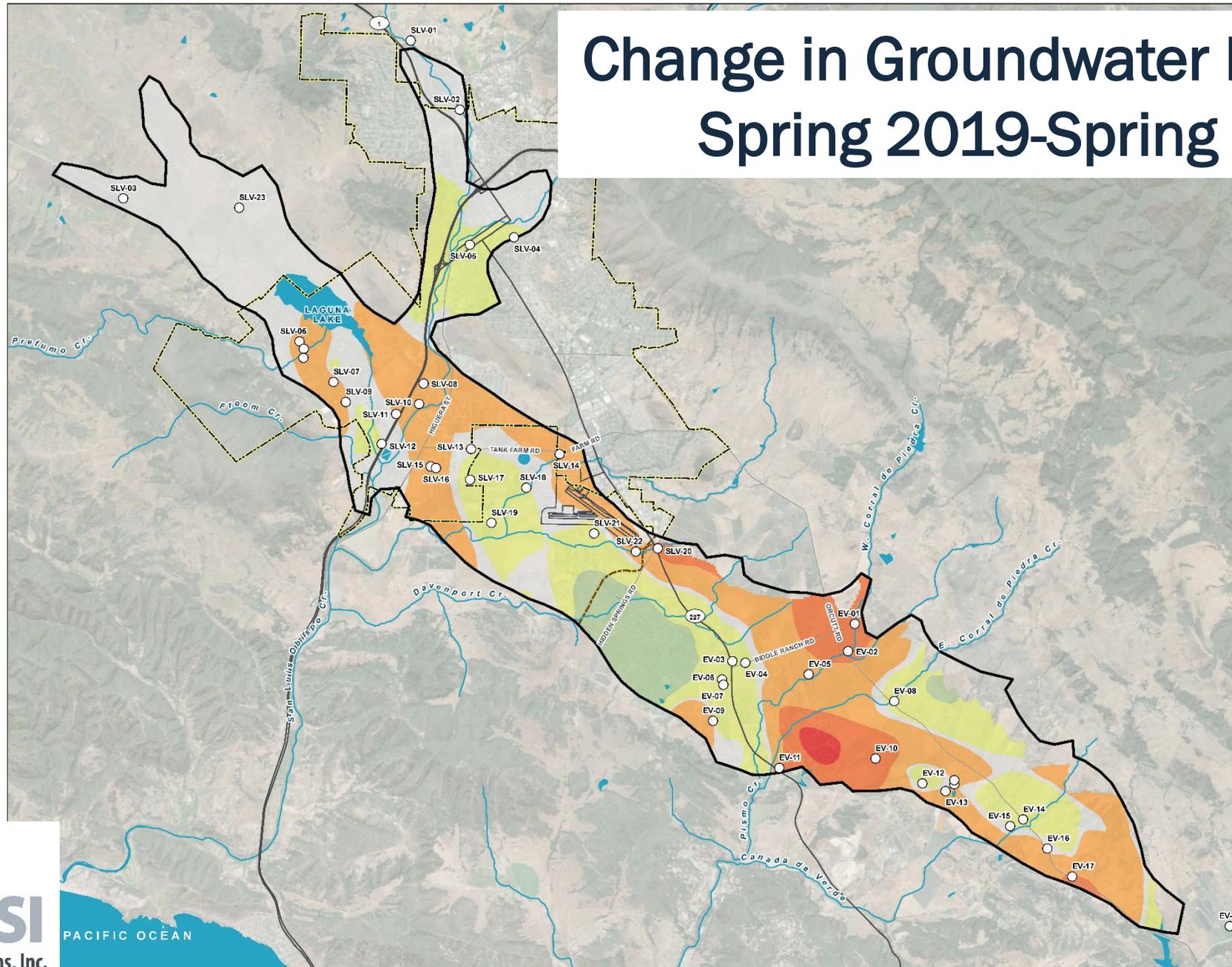
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 Aerial Photo 2020



# Change in Groundwater Elevations Spring 2019-Spring 2020



**LEGEND**

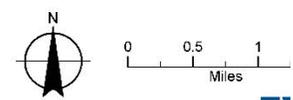
- Monitoring Well

**Change in Groundwater Elevation (feet NAVD88)**

- >30
- >20 - 30
- >10 - 20
- >0 - 10
- 0
- 10 - 0
- 20 - -10
- 30 - -20

**All Other Features**

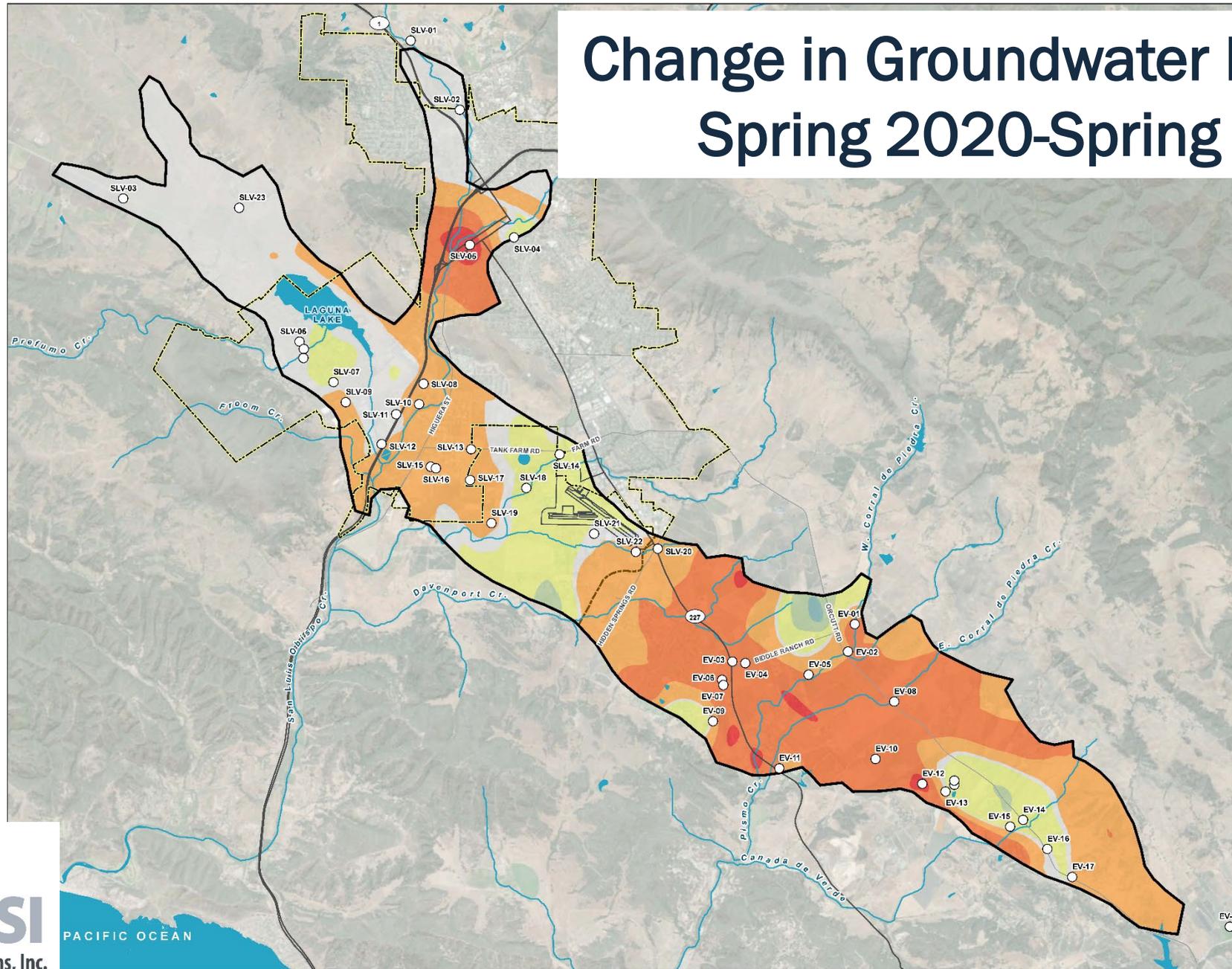
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# Change in Groundwater Elevations Spring 2020-Spring 2021



**LEGEND**

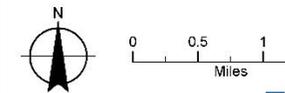
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Y:\0667\_County\_of\_San\_Luis\_Obisbo\Source\_Figures\020\_SLO\_Basin\_Annual\_Report\Figure10\_Annual\_GW\_Change\_2020-2021.mxd, npatmer

# Change of Groundwater in Storage

| Water Year | San Luis Valley<br>(AF) | Edna Valley<br>(AF) | Annual Change<br>in Groundwater<br>in Storage (AF) |
|------------|-------------------------|---------------------|--|
| 2020       | 210                     | -750                | -540   |
| 2021       | -450                    | -5,080              | -5,530   |
| TOTAL      | -240                    | -5,830              | -6,070   |

Progress  
Toward  
Sustainability  
Since  
GSP  
Completion

- **New County Position – Director of Groundwater Sustainability**
- **Expansion of Monitoring Network**
- **City of SLO Recycled Water Program**
- **Sentinel Peak Recycled Water Discharge Relocation Project**
- **City Recycled Water to Edna Valley Project**
- **Identification and Pursuit of Funding Opportunities**

**Water Year 2021 Annual Report for the  
San Luis Obispo Valley Basin  
Due to DWR April 1, 2022**



QUESTIONS?





## Agenda Item 8:

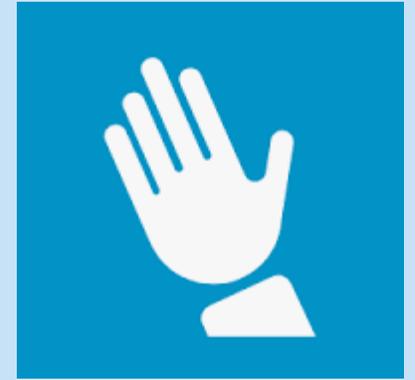
# Receive presentation on Draft Water Year 2021 Annual Report for the San Luis Obispo Valley Basin

## Schedule

| Task                  | Item                                 |
|-----------------------|--------------------------------------|
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| Public Comment Period | February 14, 2022- February 23, 2022 |
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# Public Comments



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# **Agenda Item 9: Future Items**

Chair



# **Agenda Item 9: Future Items**

- **Presentation from Groundwater Sustainability Director – March 9, 2022**
- **Approval of Water Year 2021 Annual Report for San Luis Obispo Valley Basin**



**Adjourn**

Chair