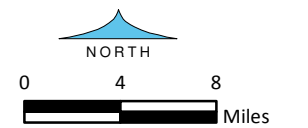
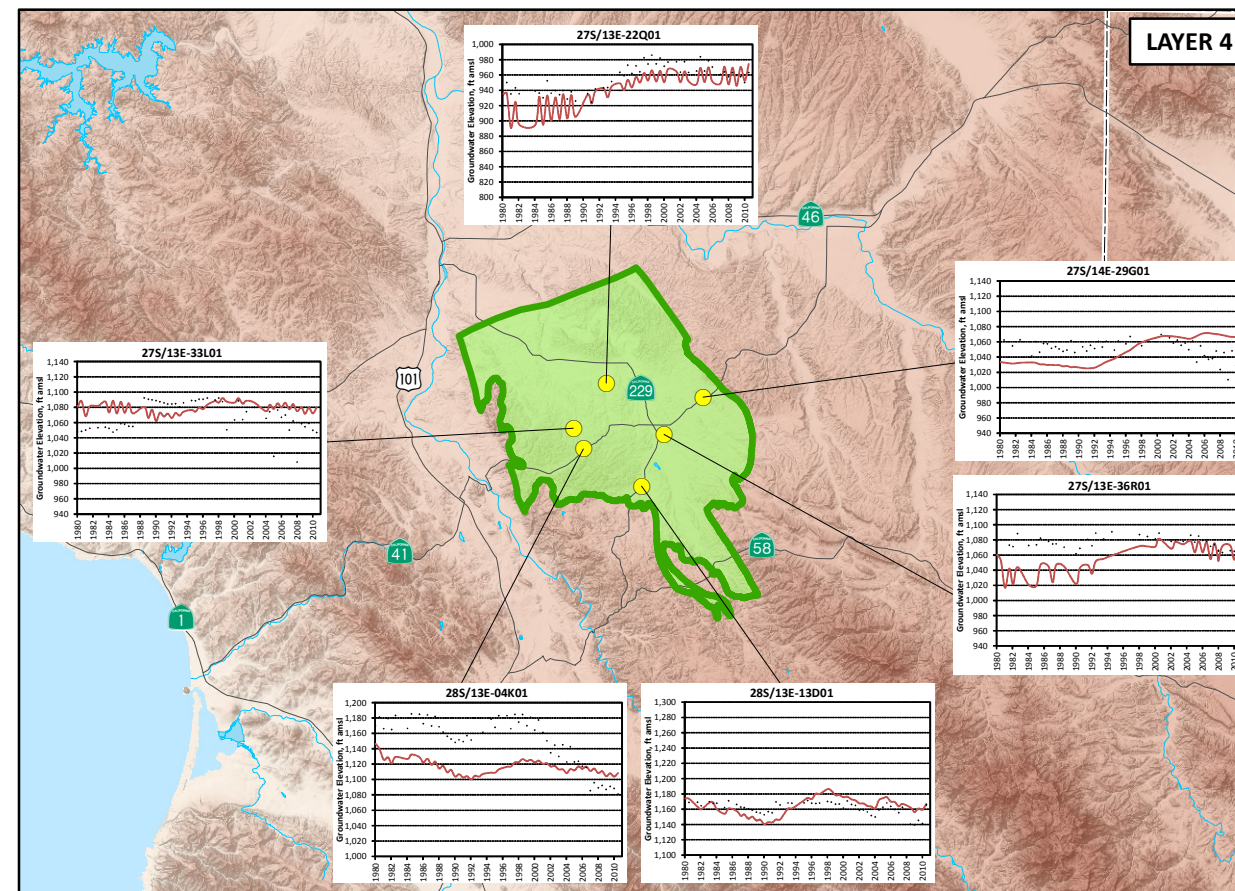
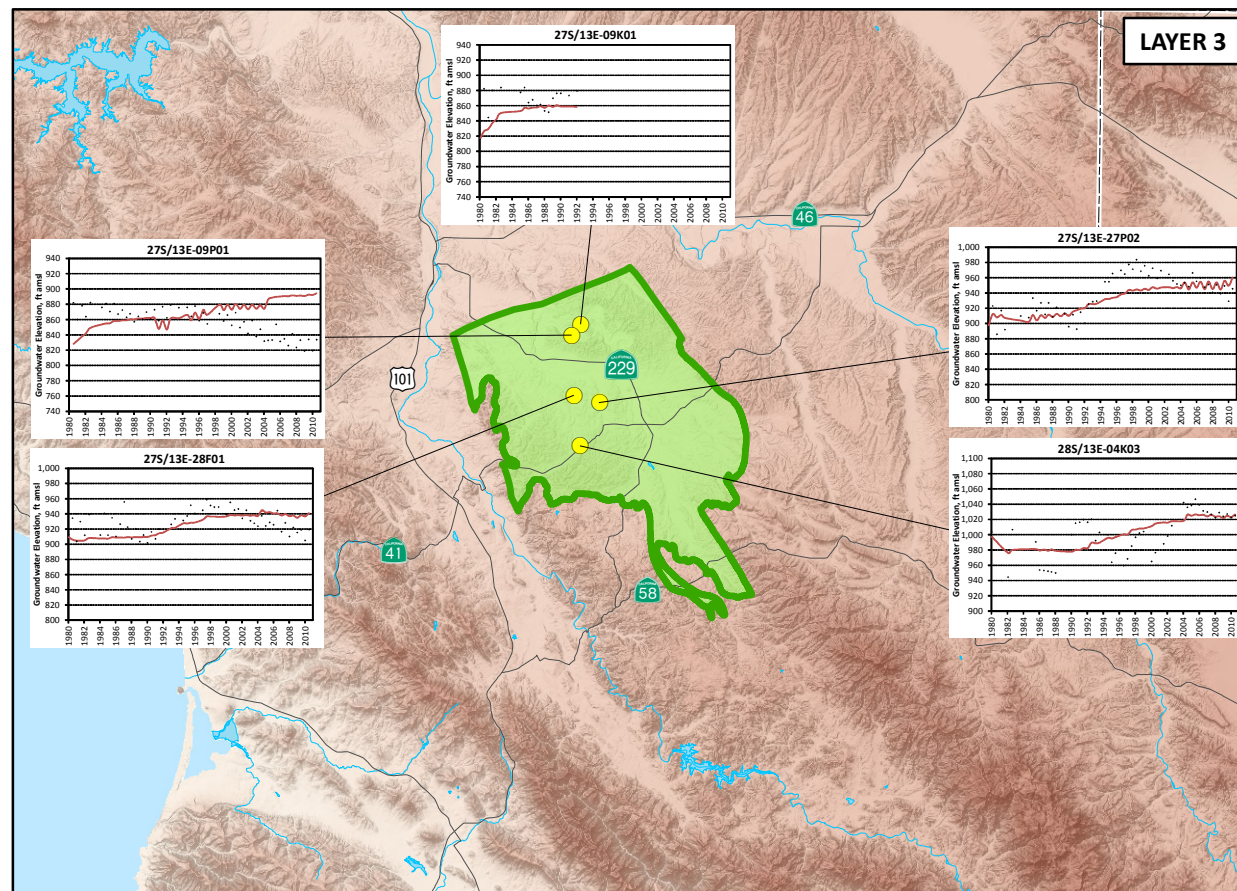
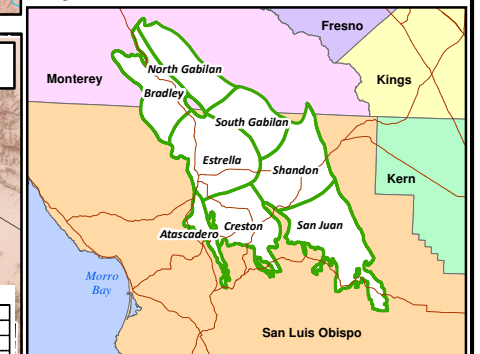


**HYDROGRAPHS FOR RECALIBRATED BASIN MODEL
CRESTON SUB-AREA**

EXPLANATION

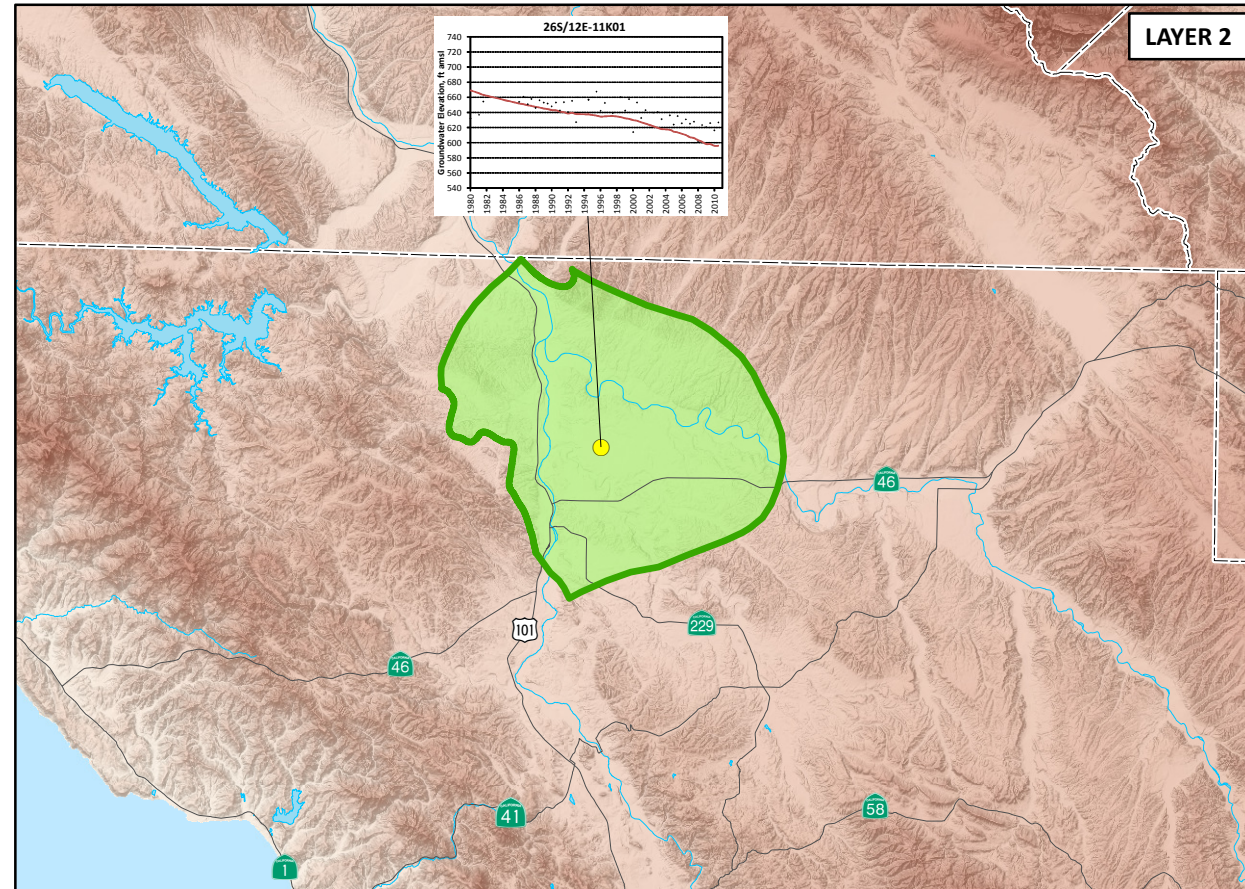
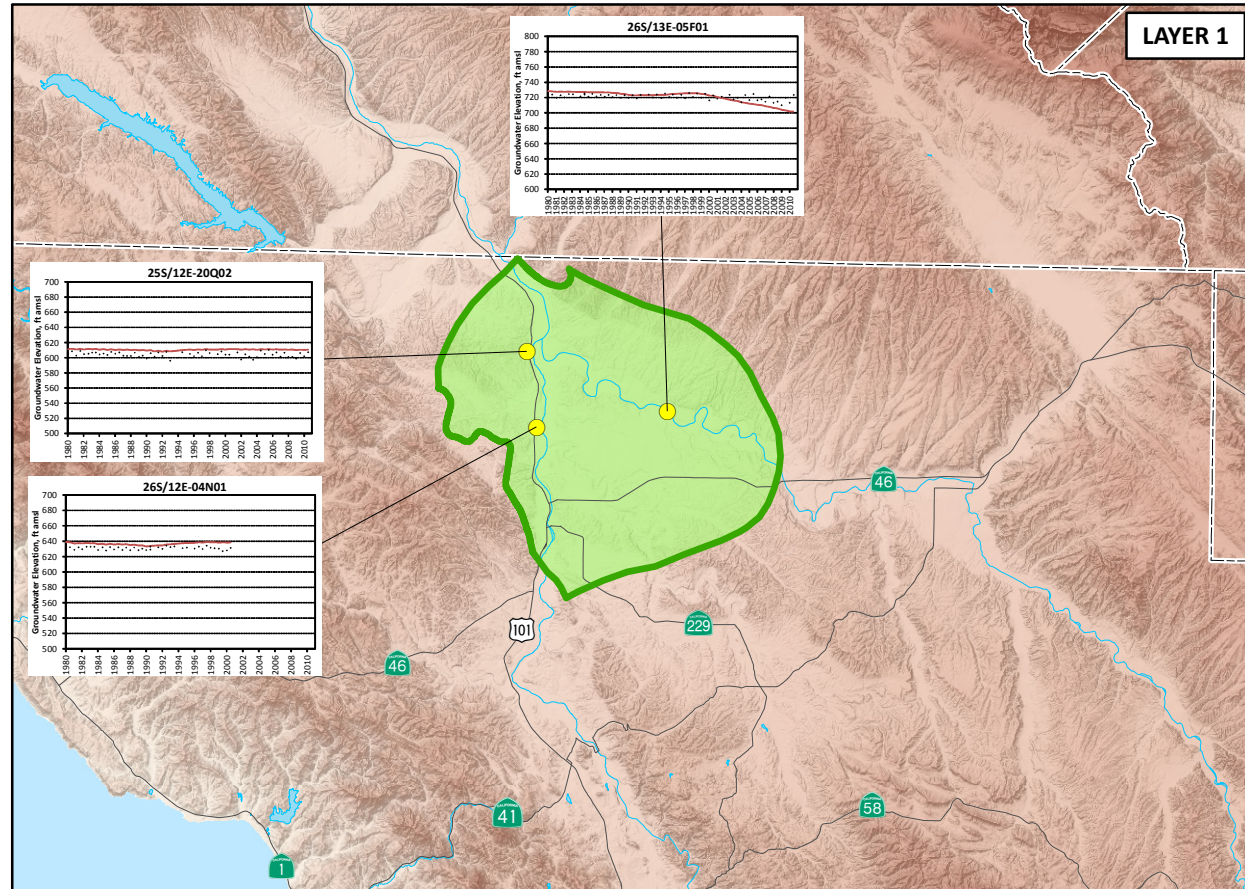
- Well Designation Within Sub-area
- Observed
- Model Generated
- Paso Robles Groundwater Basin with Sub-Area (Source: Fugro and Cleath, 2002)
- County Boundary

Regional Sub-Areas Inset



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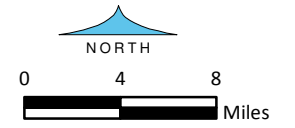
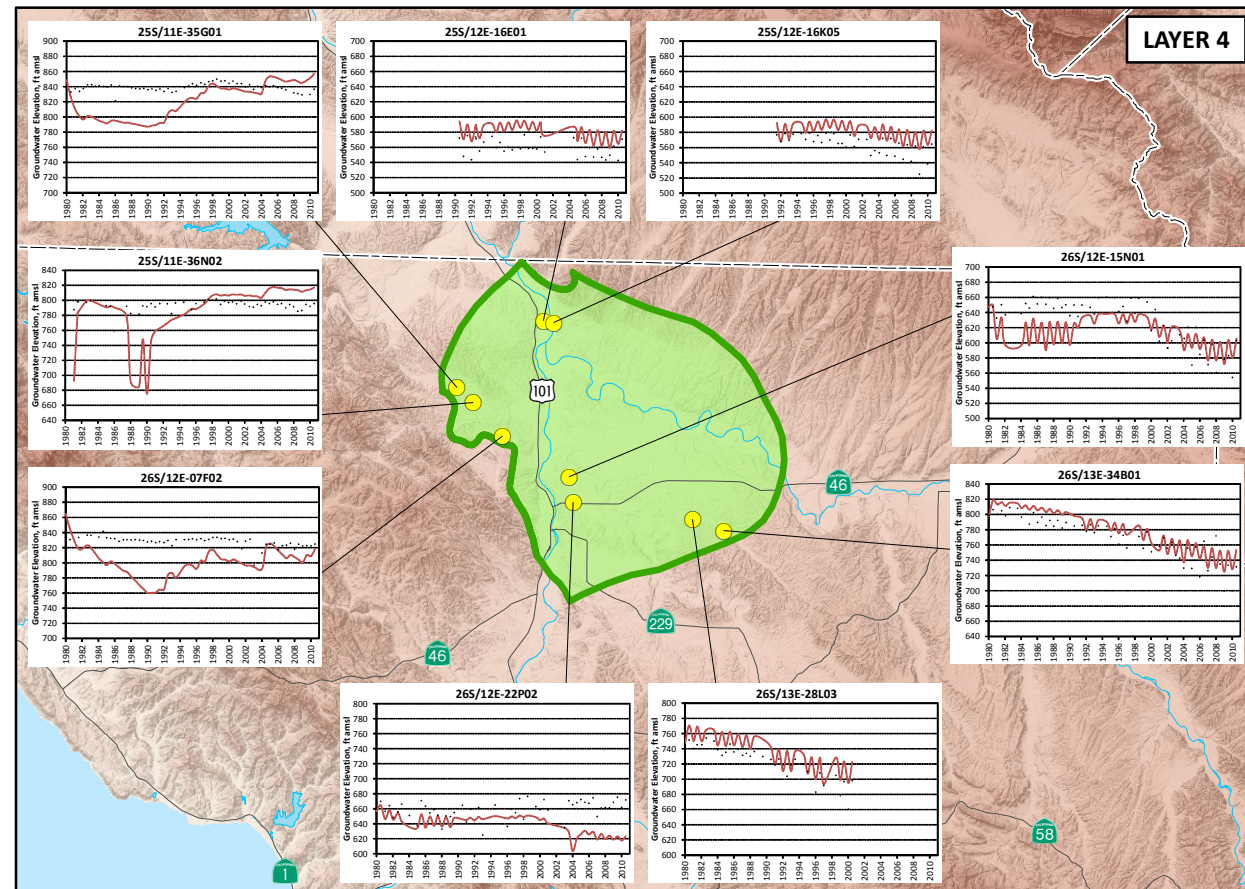
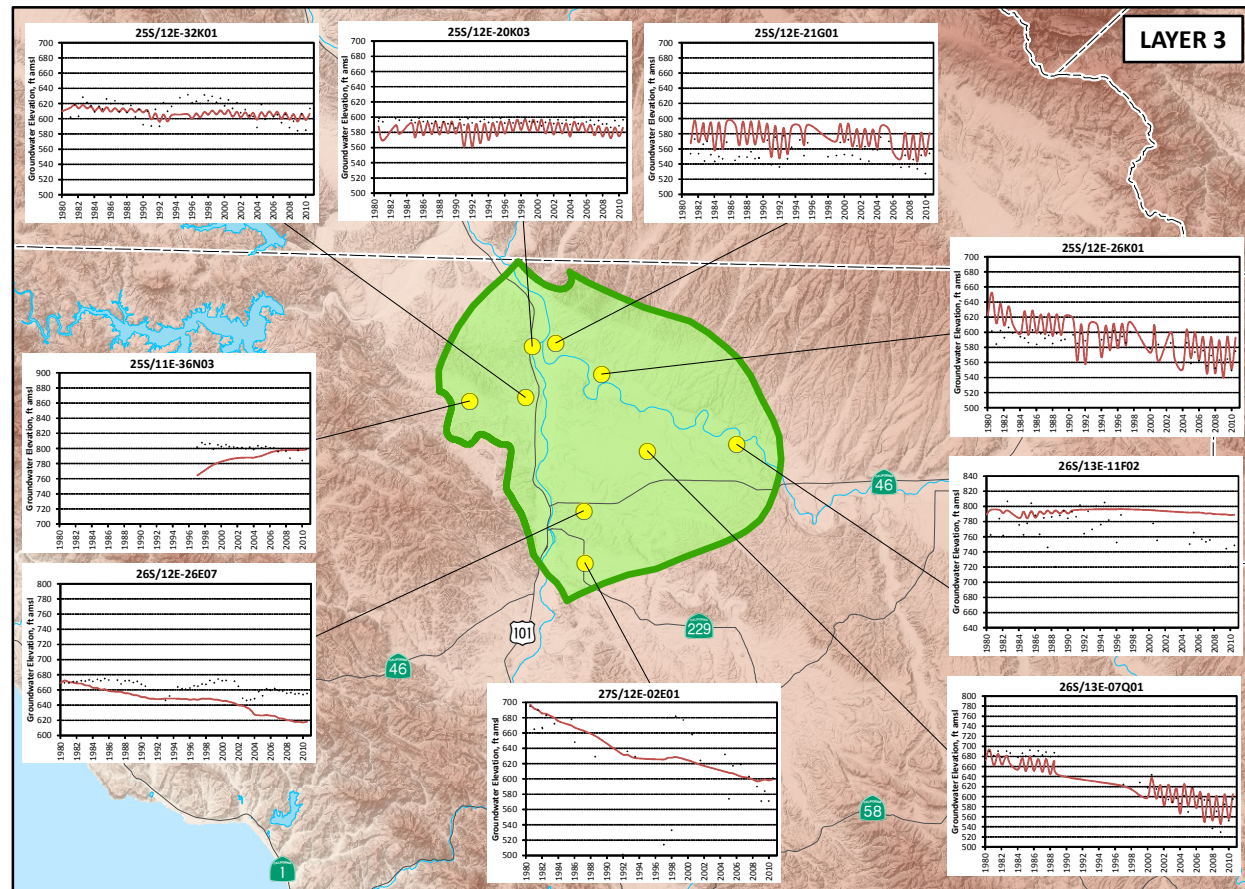
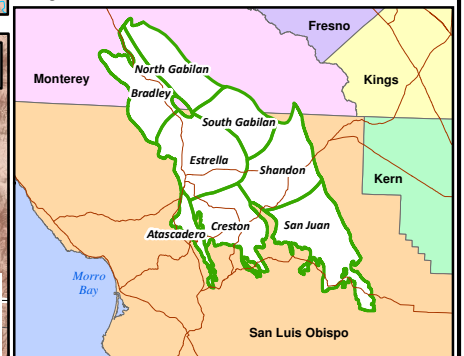


**HYDROGRAPHS FOR
RECALIBRATED BASIN MODEL
ESTRELLA SUB-AREA**

EXPLANATION

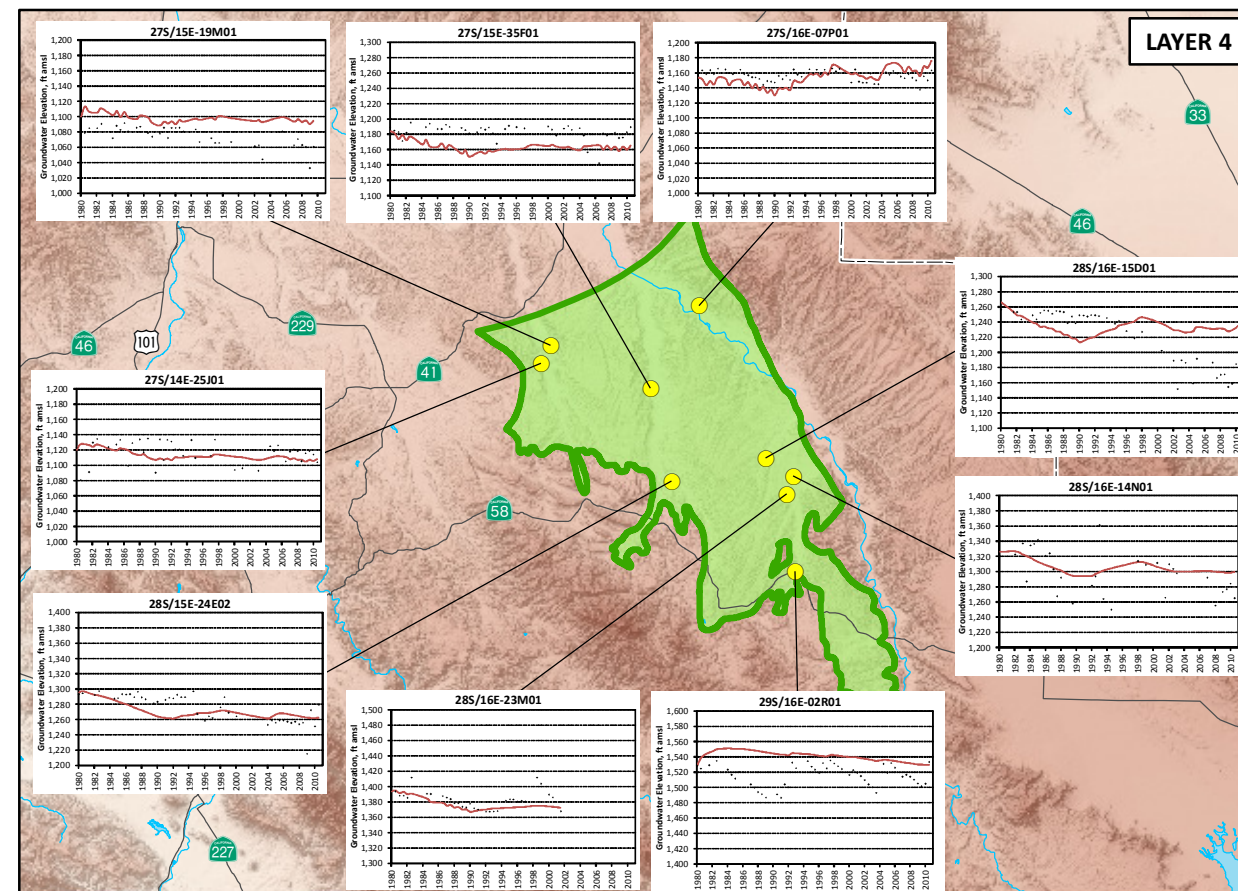
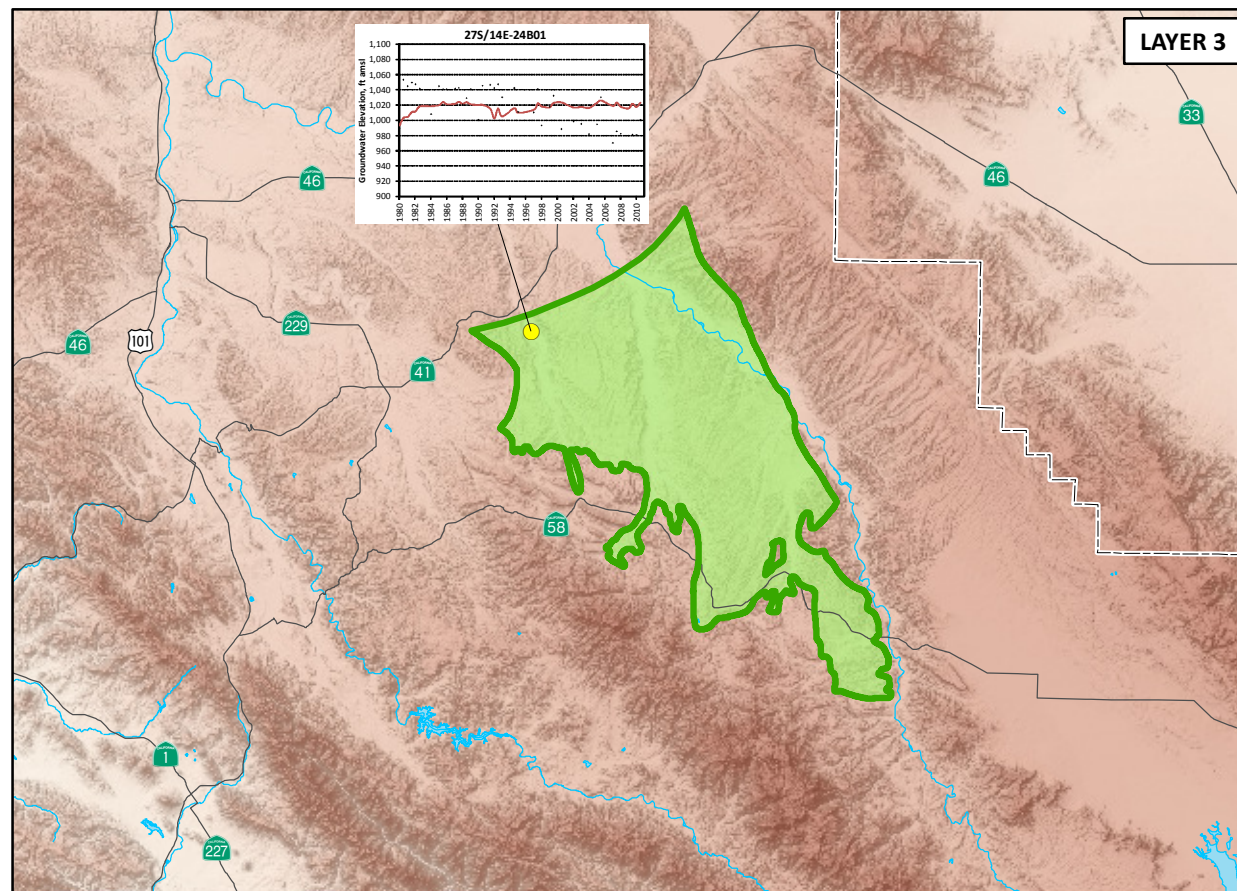
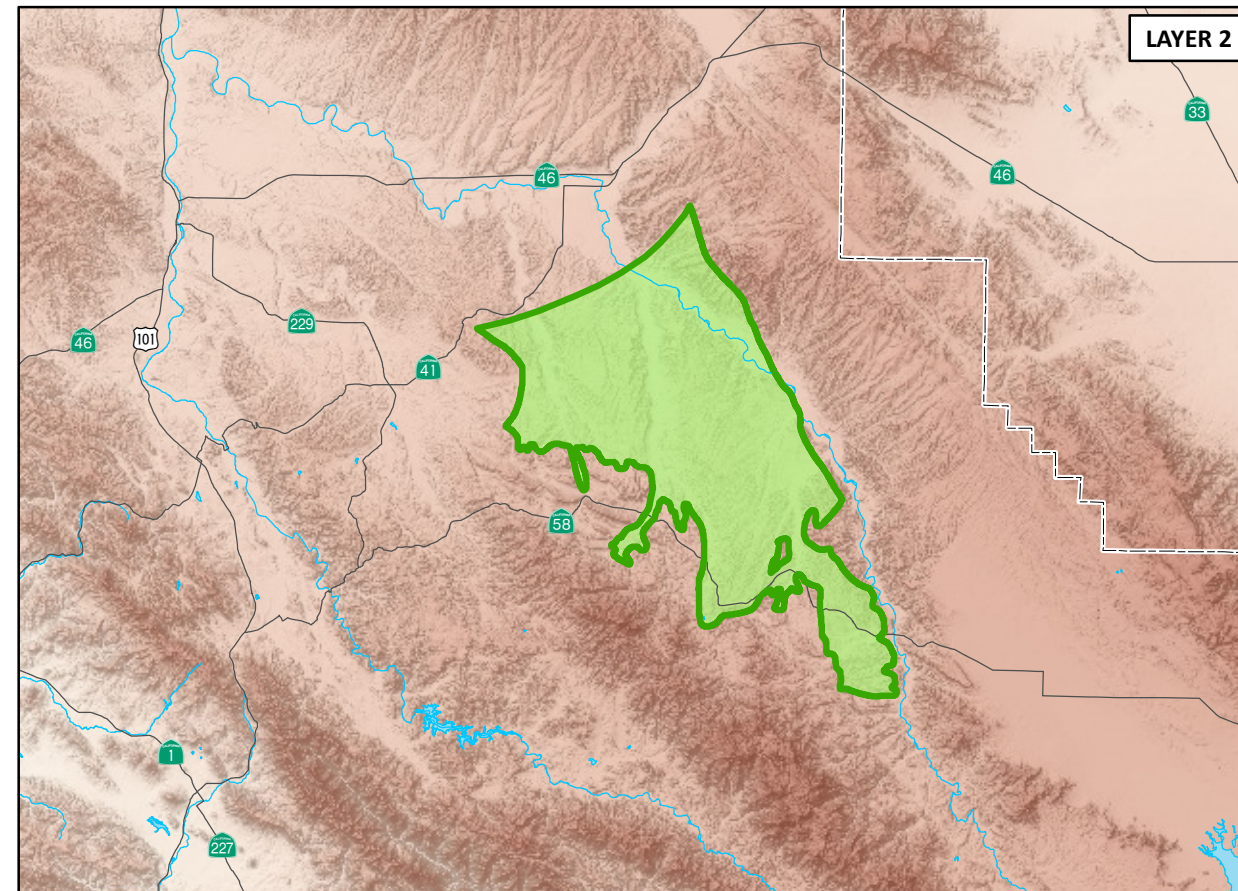
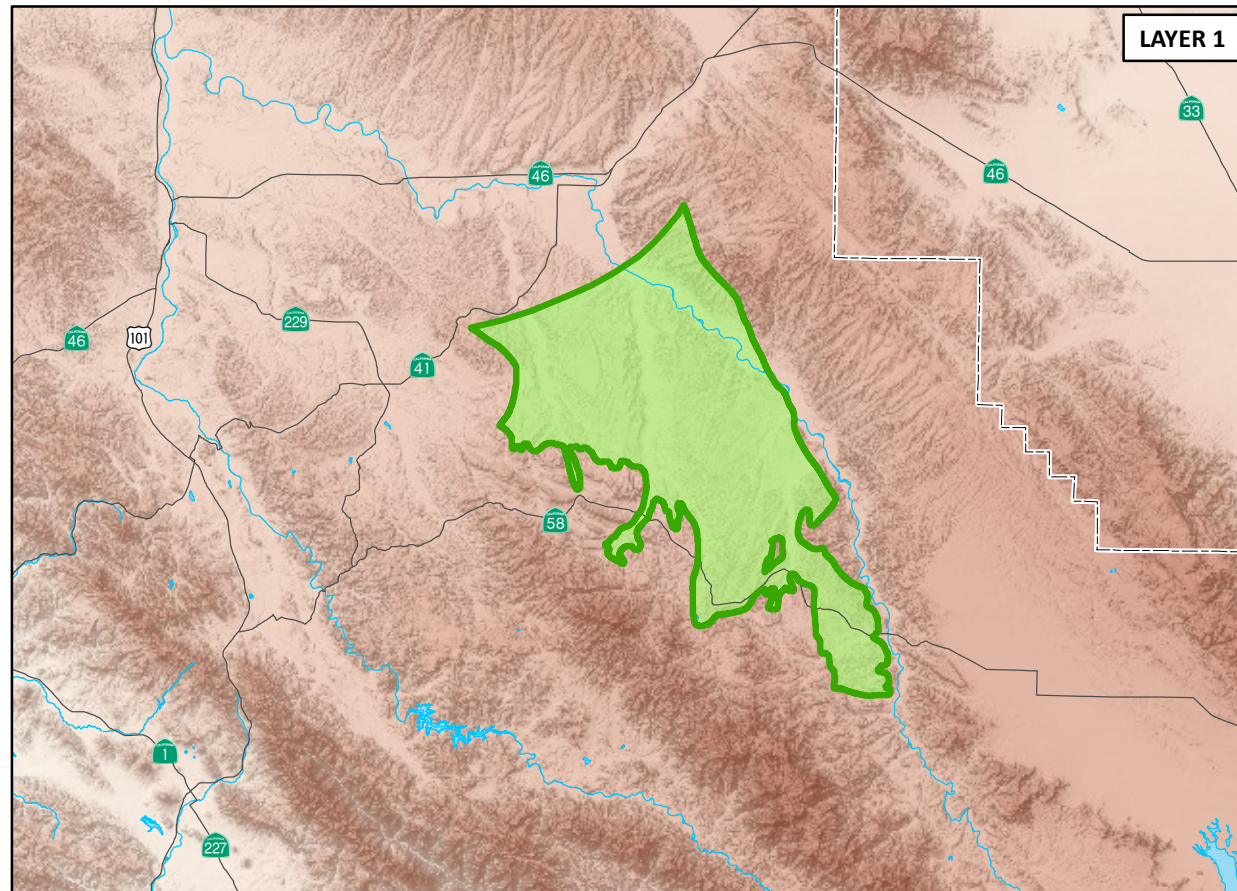
- Well Designation Within Sub-area
- Observed
- Model Generated
- Paso Robles Groundwater Basin with Sub-Area (Source: Fugro and Cleath, 2002)
- County Boundary

Regional Sub-Areas Inset



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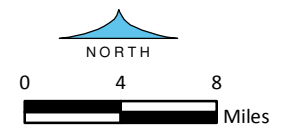


**HYDROGRAPHS FOR
RECALIBRATED BASIN MODEL
SAN JUAN SUB-AREA**

EXPLANATION

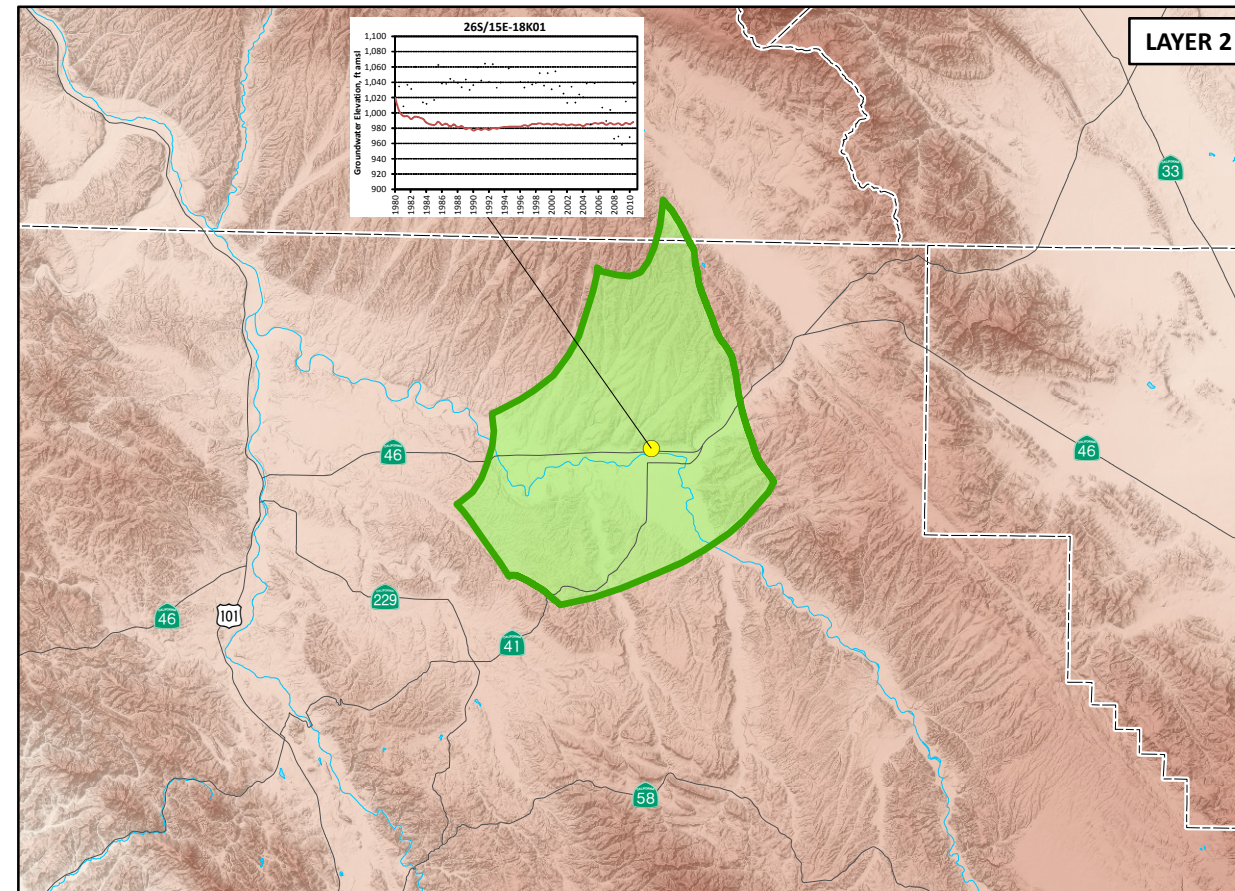
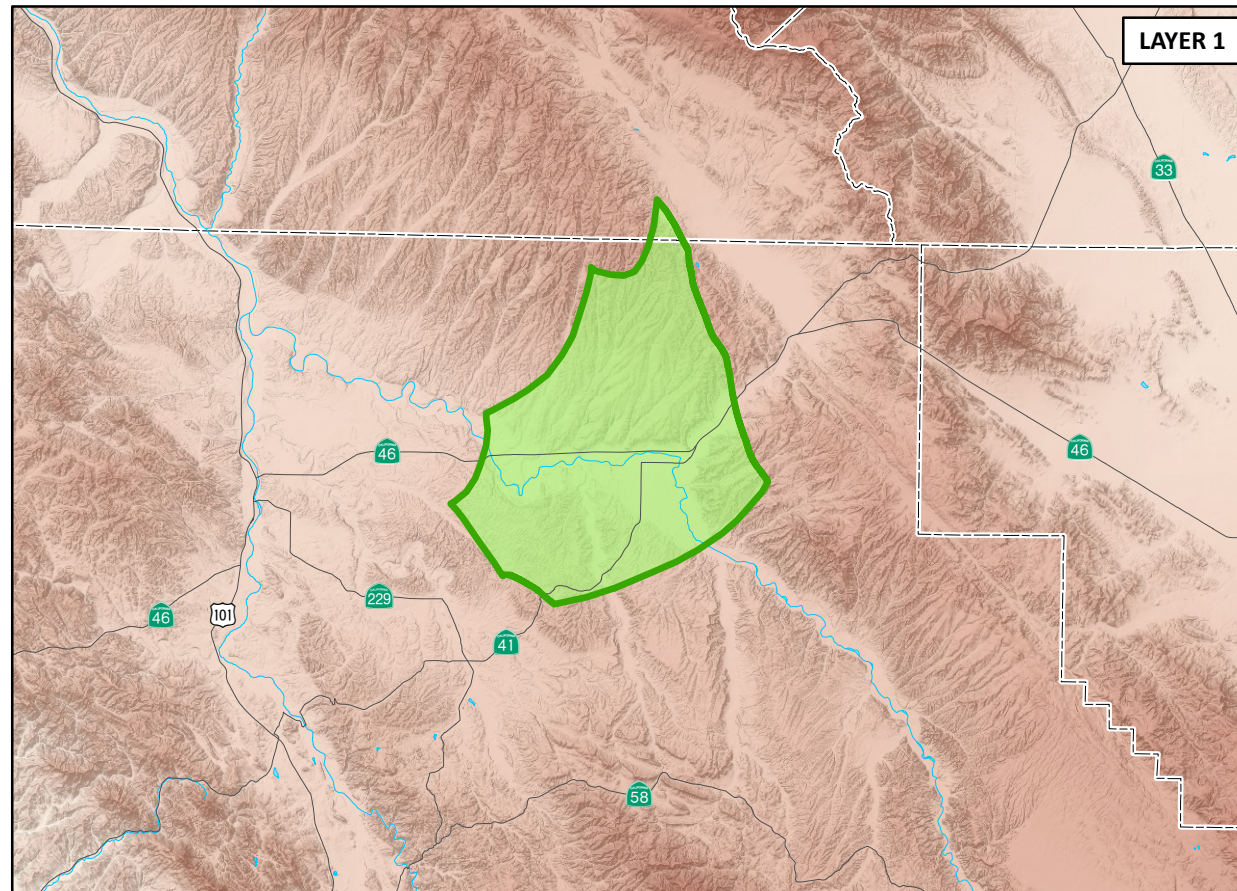
- Well Designation Within Sub-area
- Observed
- Model Generated
- Paso Robles Groundwater Basin with Sub-Area (Source: Fugro and Cleath, 2002)
- County Boundary

Regional Sub-Areas Inset



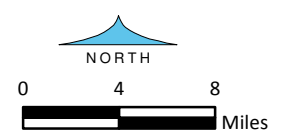
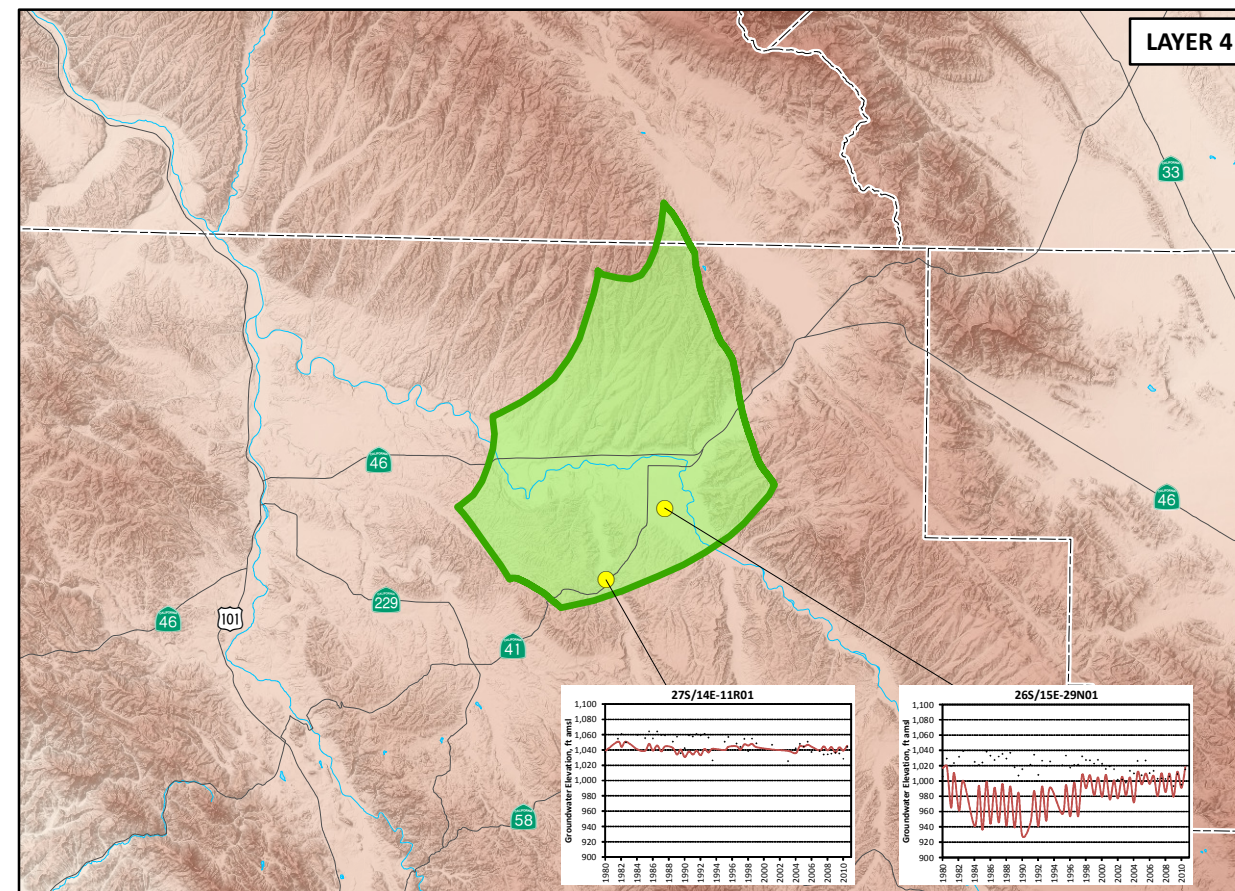
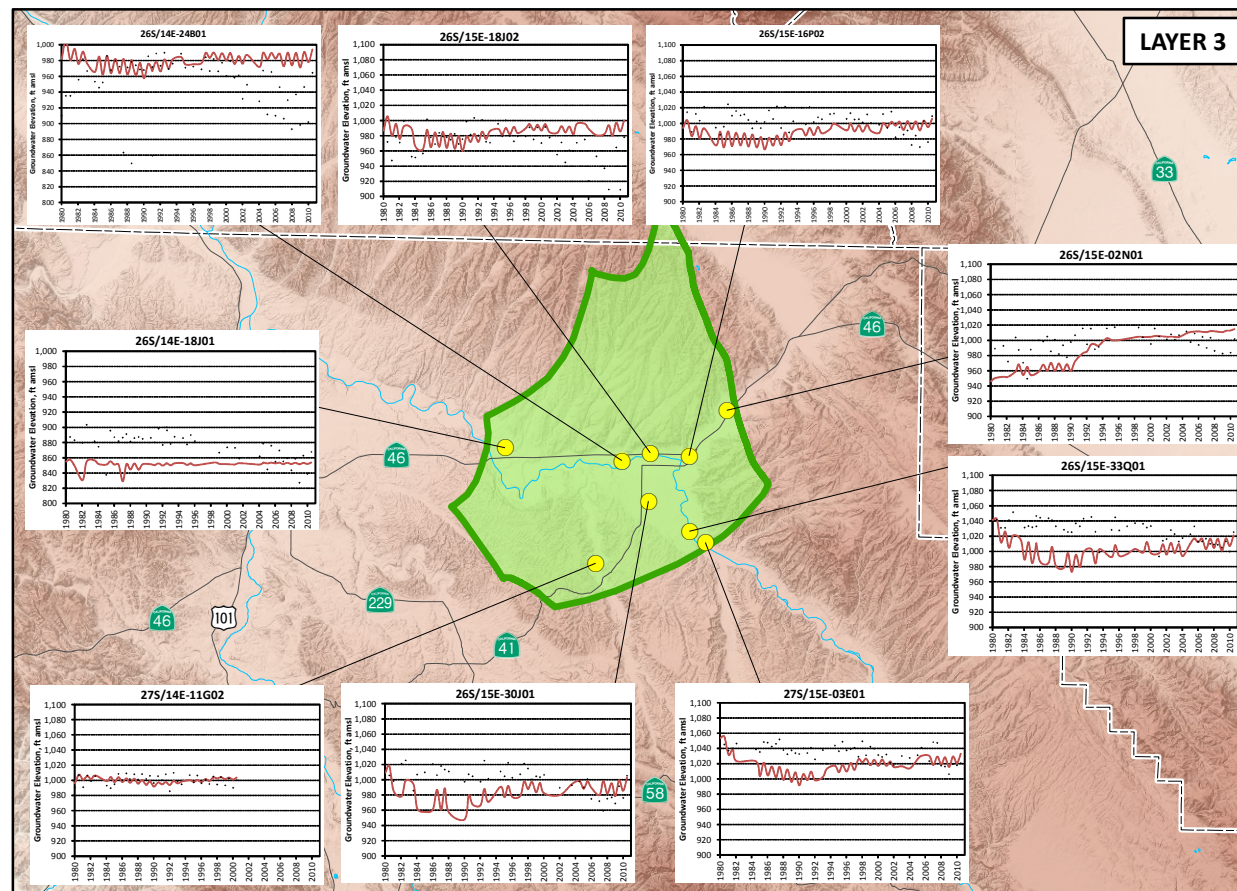
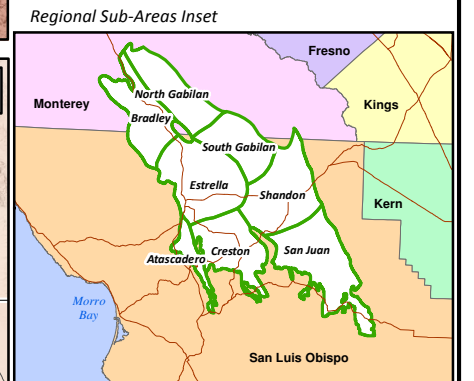
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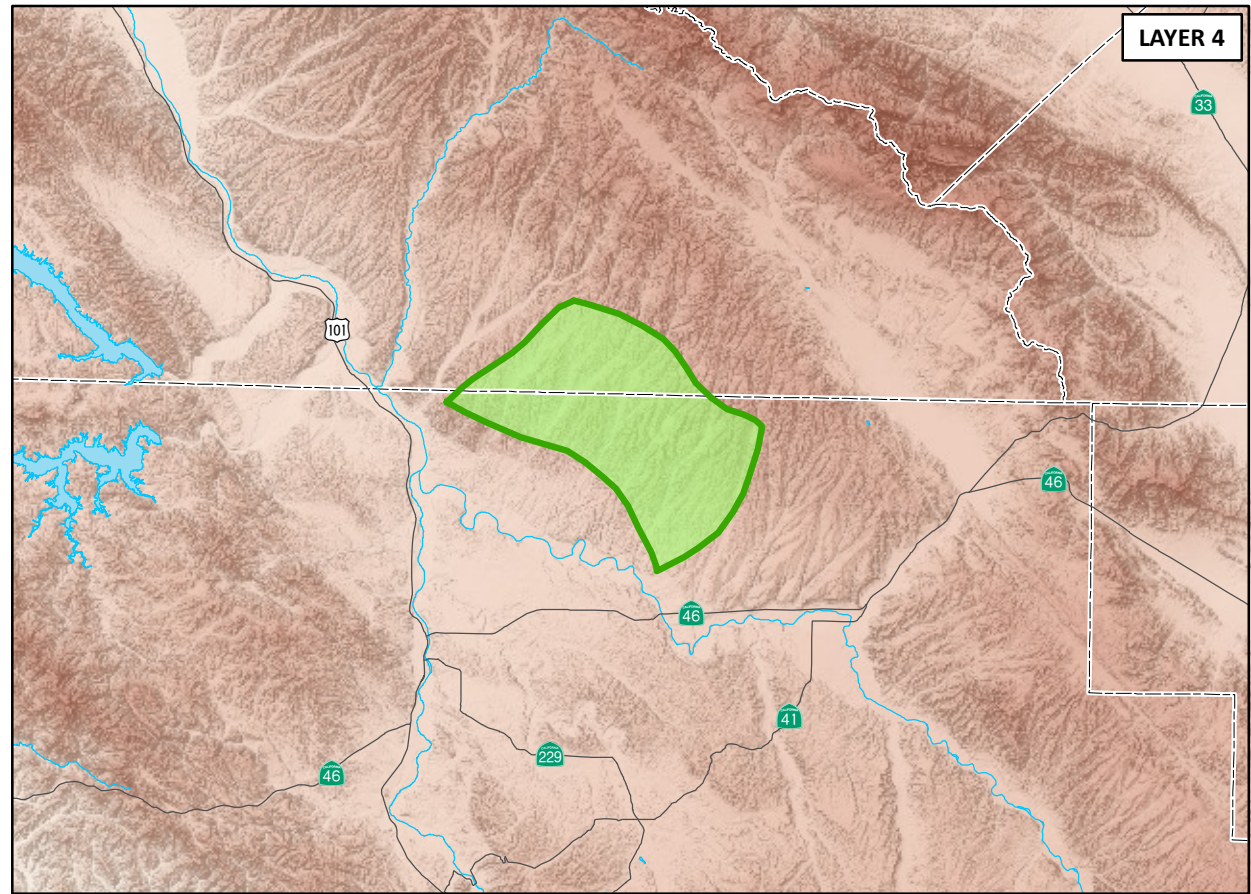
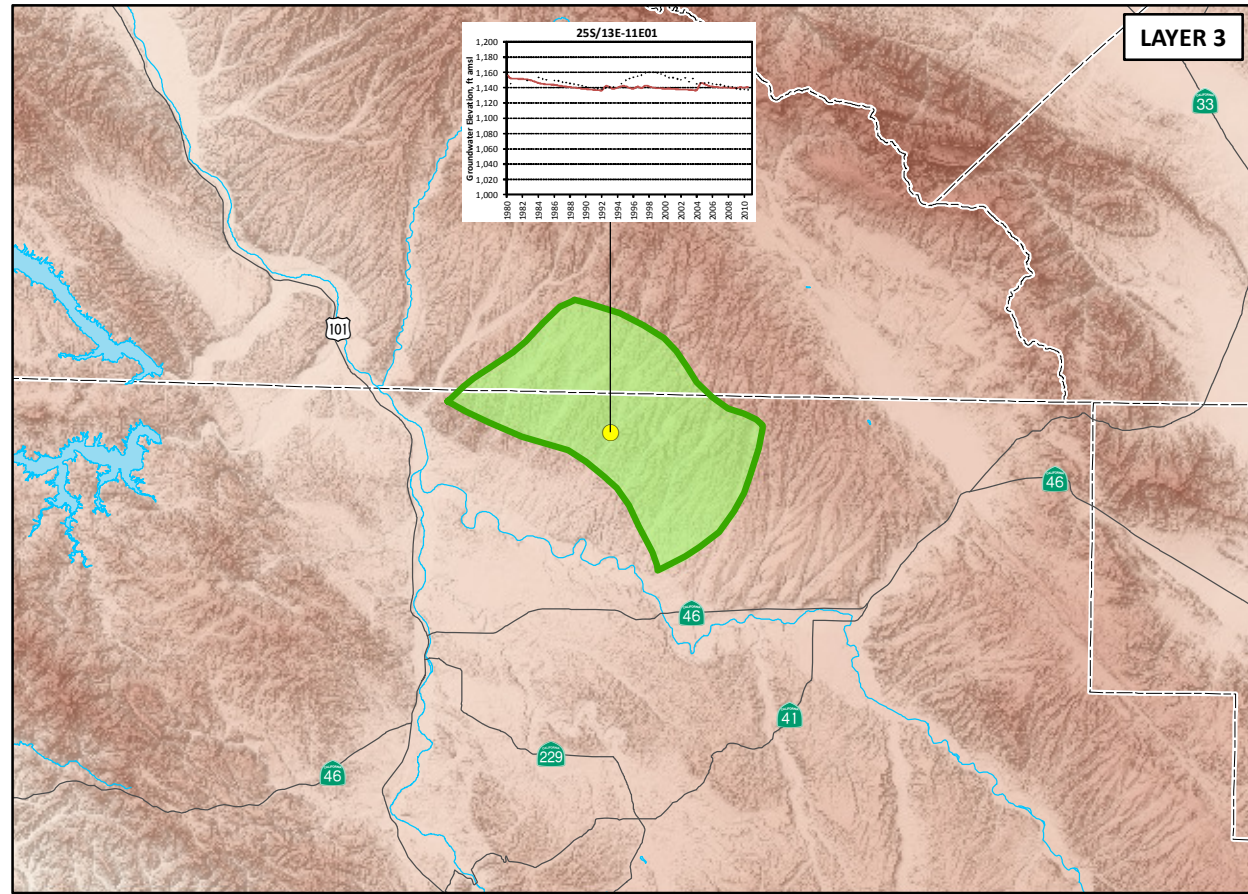
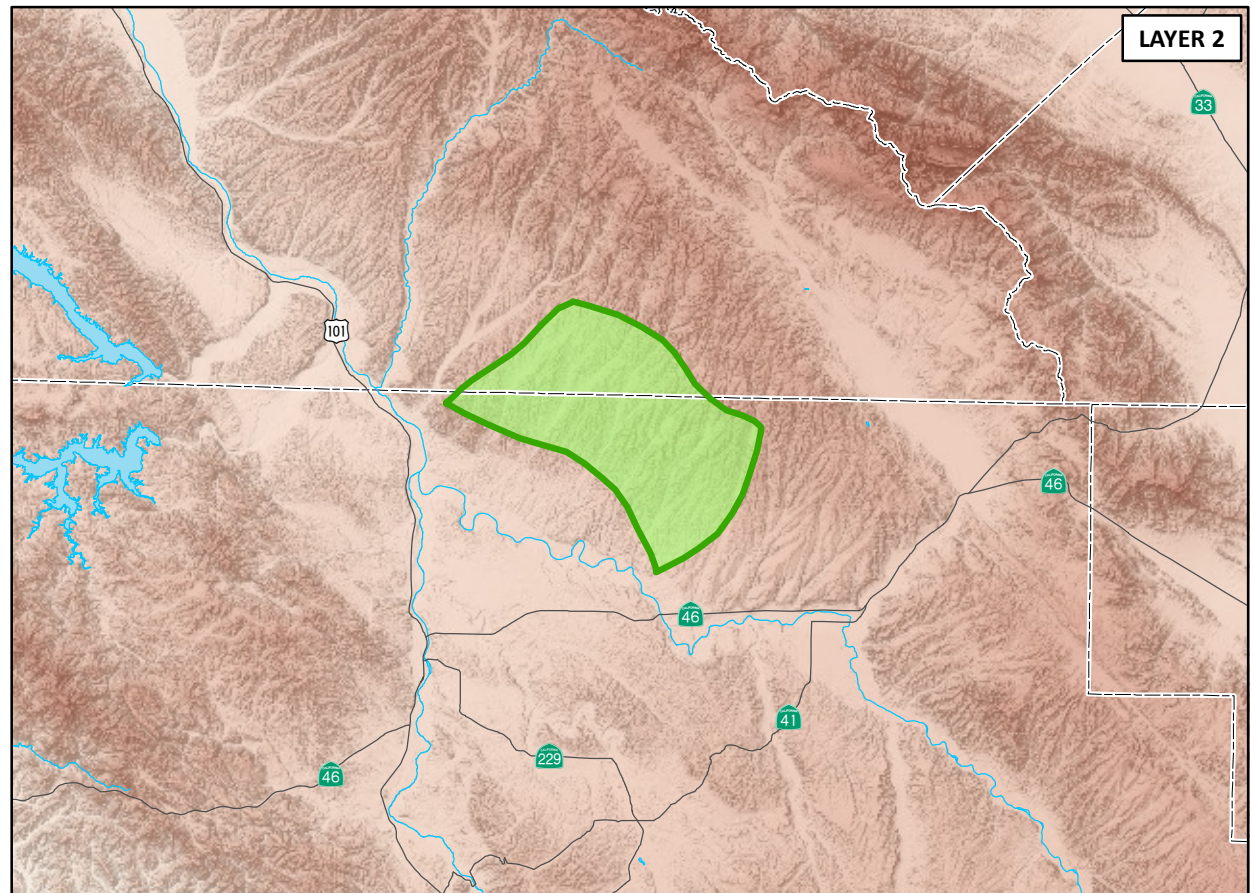
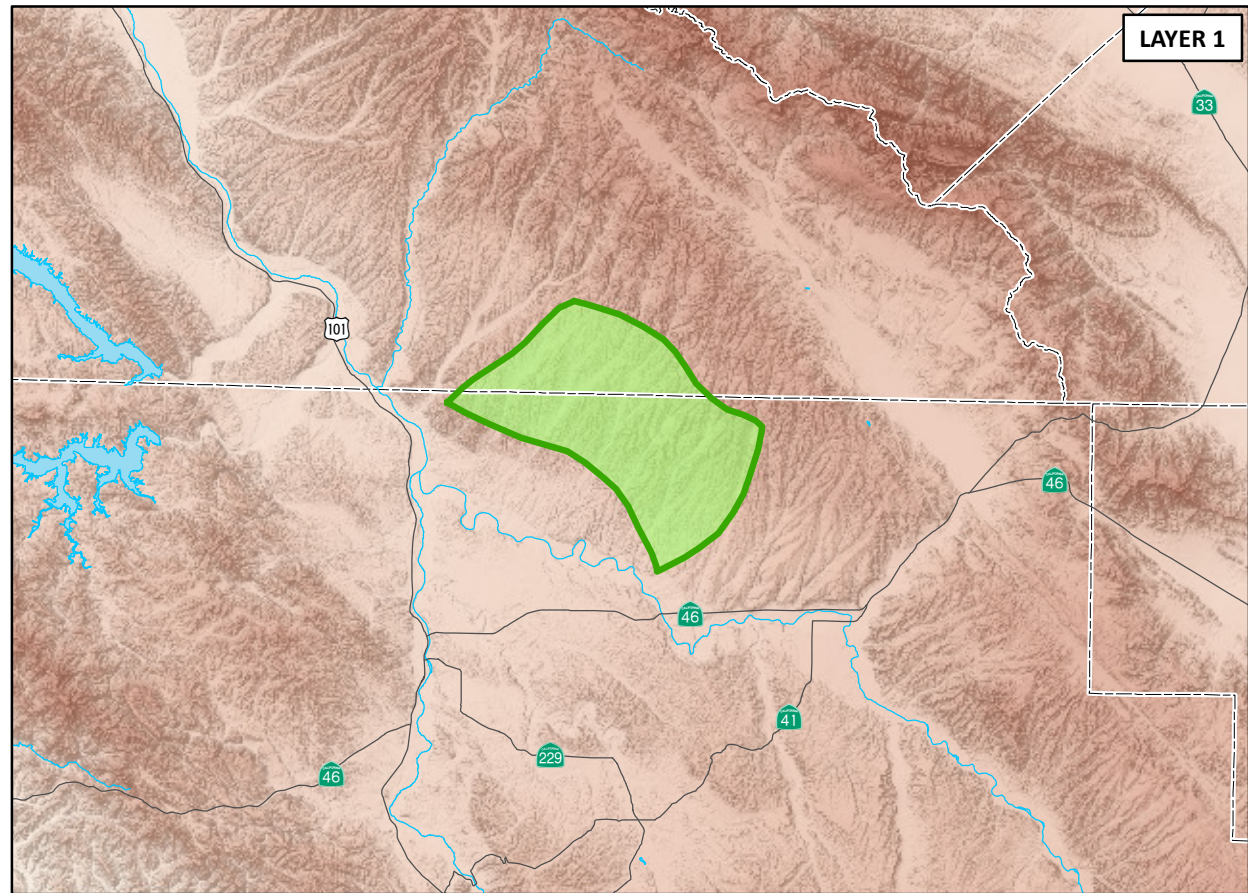
HYDROGRAPHS FOR RECALIBRATED BASIN MODEL SHANDON SUB-AREA

- EXPLANATION**
- Well Designation Within Sub-area
 - Observed
 - Model Generated
 - Paso Robles Sub-Area Boundary (Source: Fugro and Cleath, 2002)
 - County Boundary



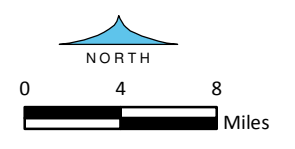
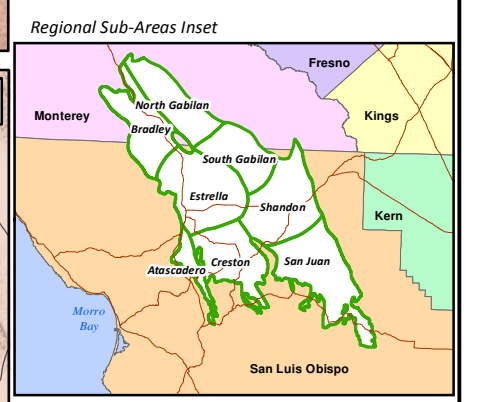
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Figure 97



**HYDROGRAPHS FOR
RECALIBRATED BASIN MODEL
SOUTH GABILAN SUB-AREA**

- EXPLANATION**
- Well Designation Within Sub-area
 - Observed
 - Model Generated
 - Paso Robles Groundwater Basin with Sub-Area (Source: Fugro and Cleath, 2002)
 - County Boundary



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Figure 98

Comparison of Measured Versus Model-Calculated Groundwater Elevations Transient Model Calibration (Water Years 1981-2011)

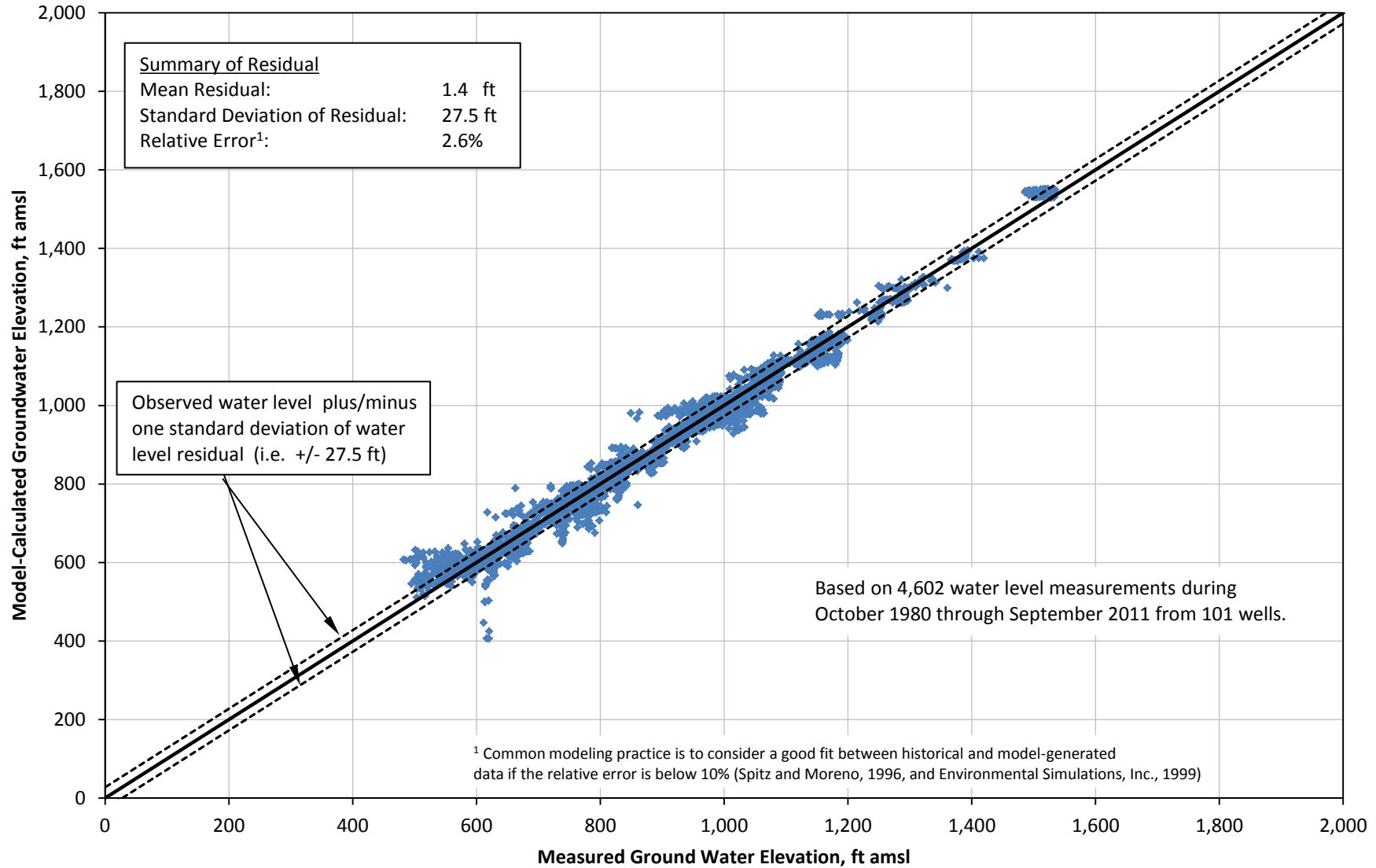


Figure 99

Temporal Distribution of Groundwater Level Residuals (Water Years 1981-2011)

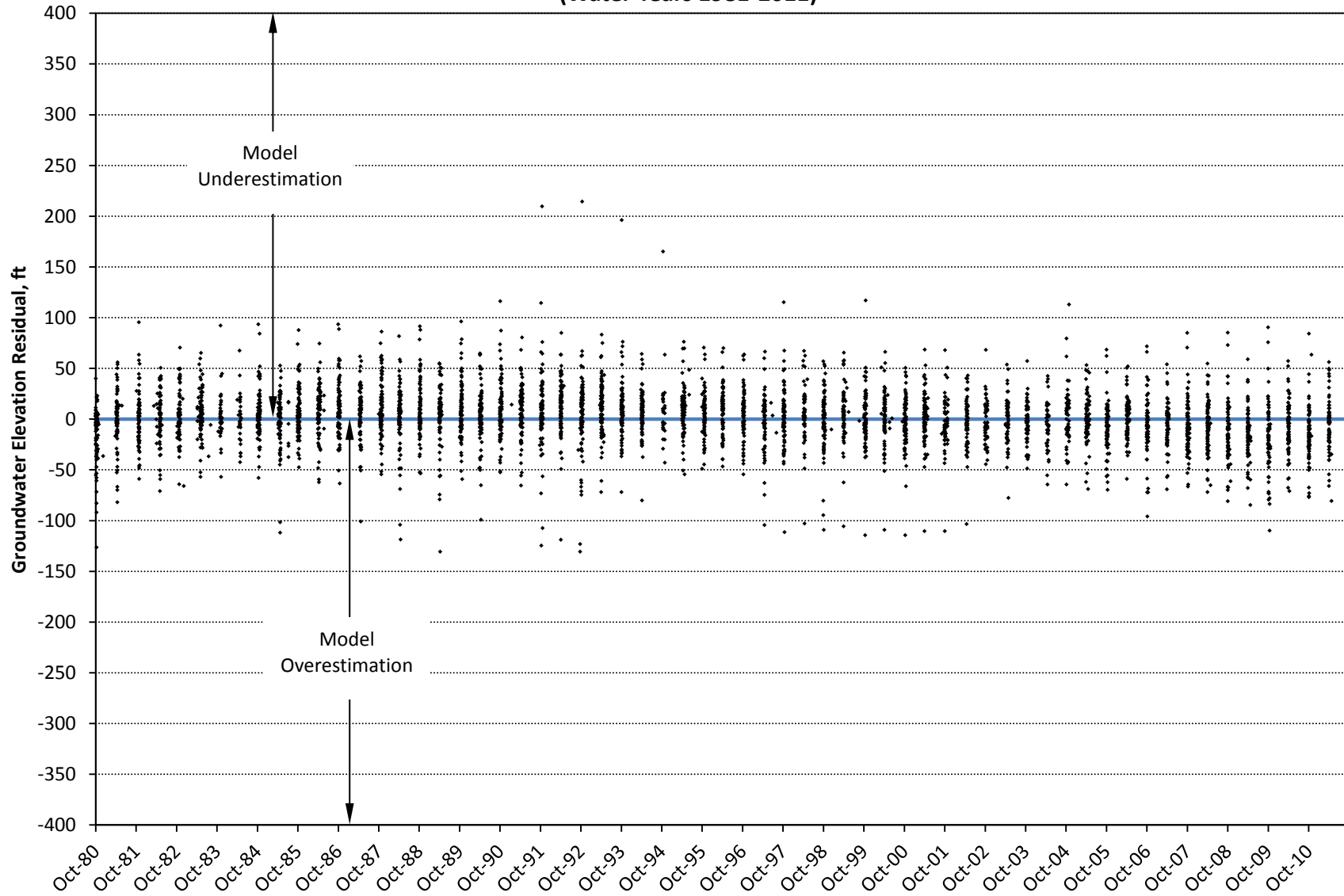


Figure 100

Histogram of Water Level Residuals Transient Model Calibration (Water Years 1981-2011)

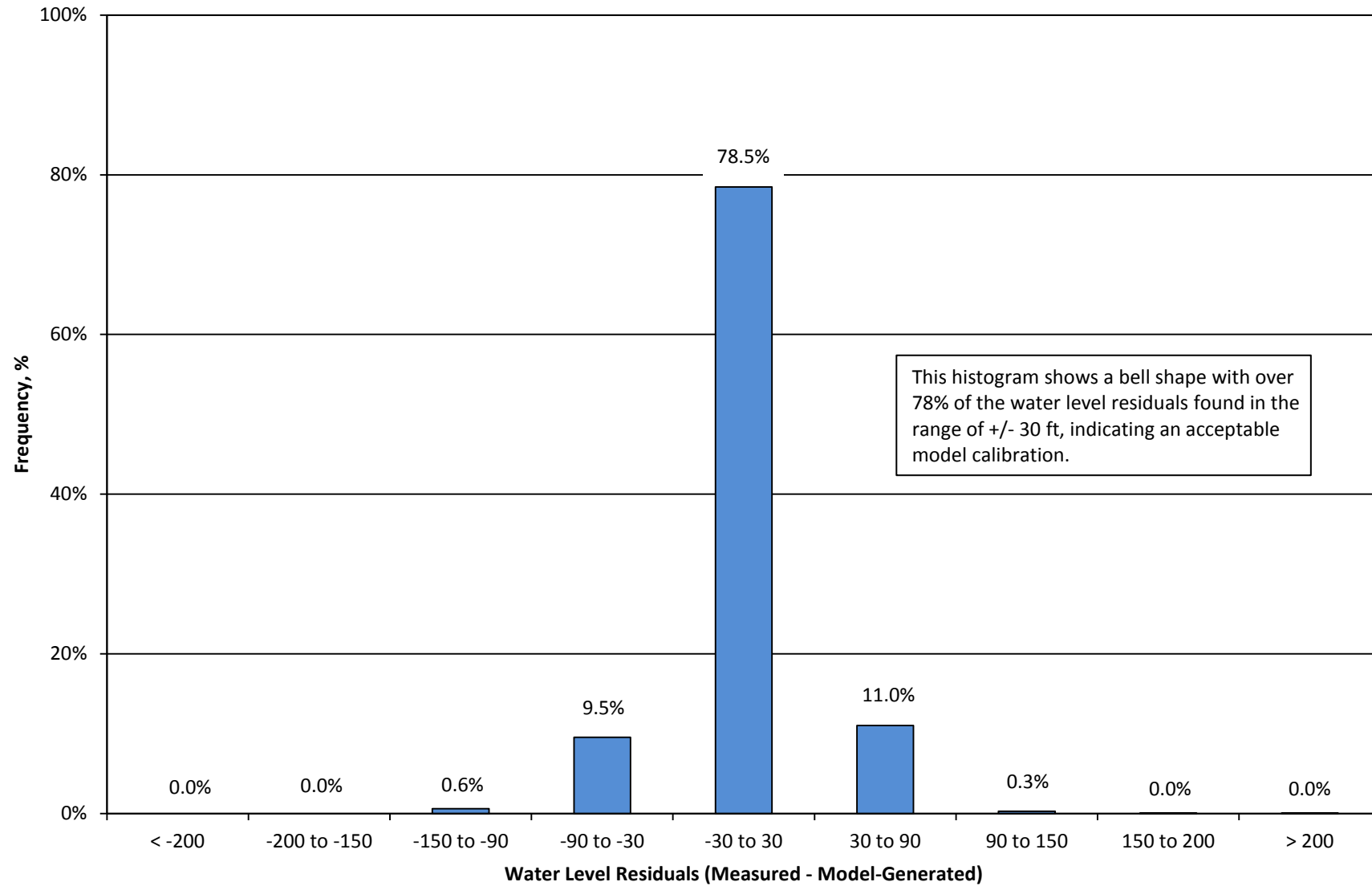


Figure 101

Normalized Sensitivity of Selected Model Parameters

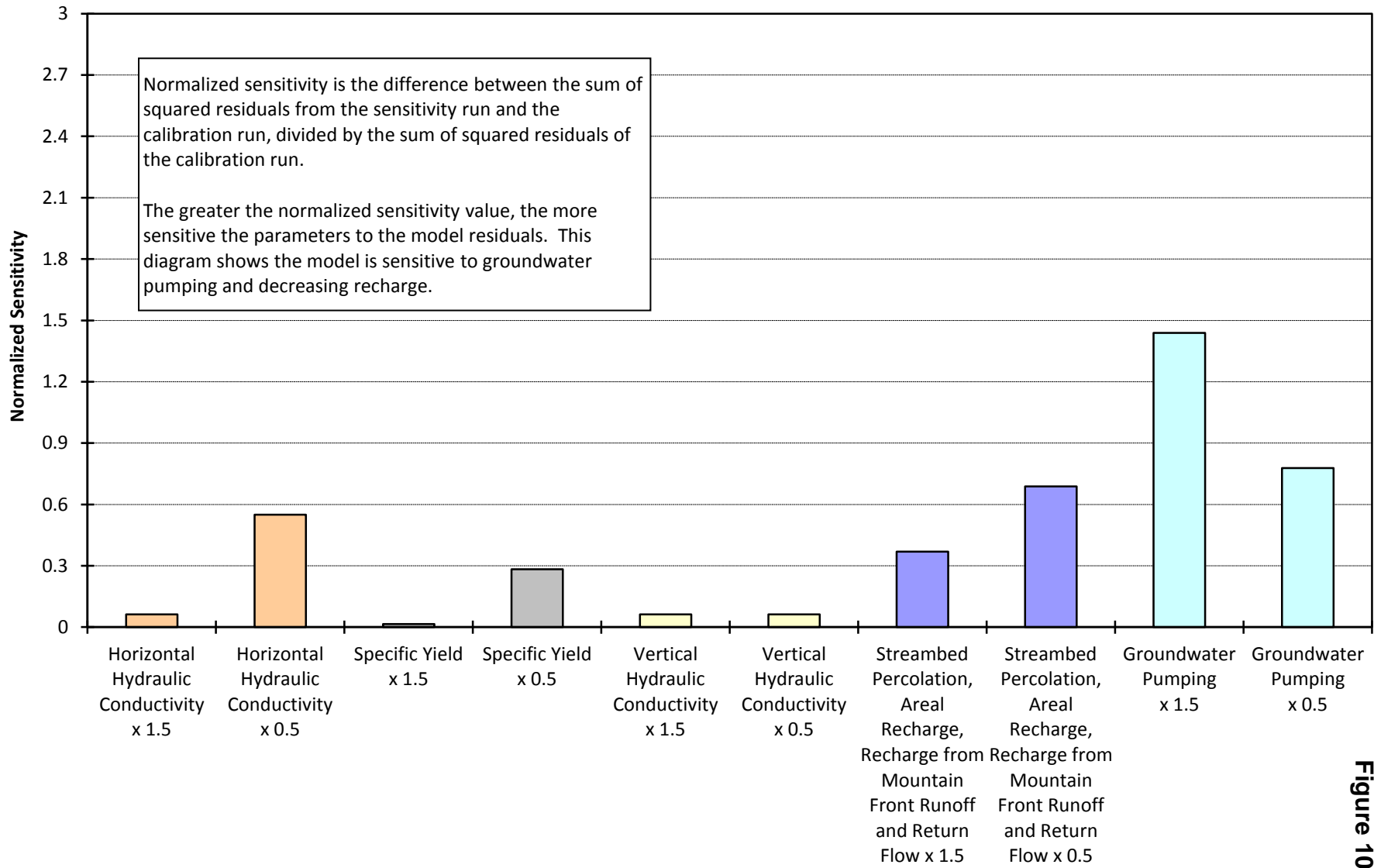


Figure 102

**Annual Precipitation and Cumulative Departure from Mean Annual Precipitation
 Paso Robles Station 046730 (Water Years 1907-2011)**

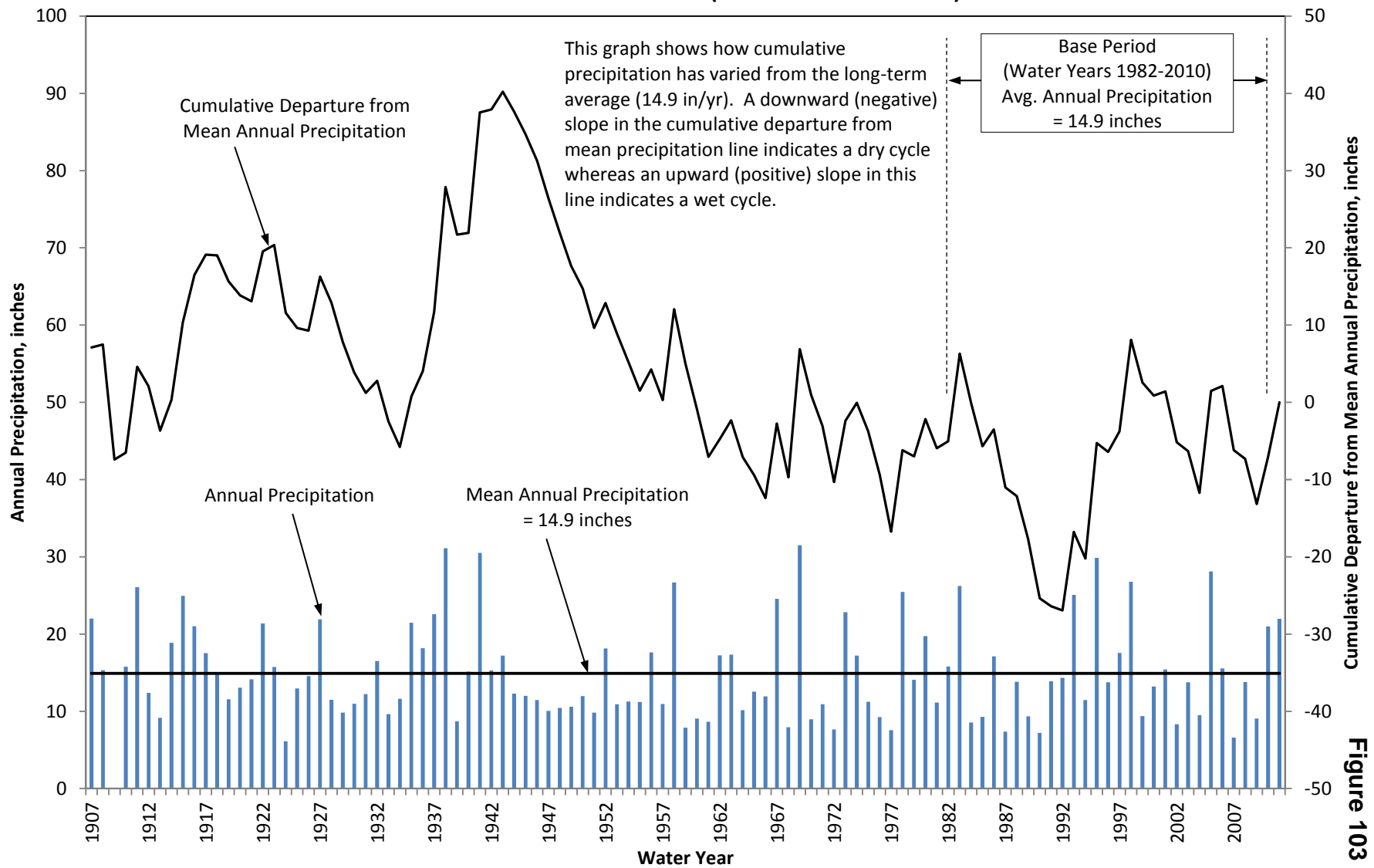
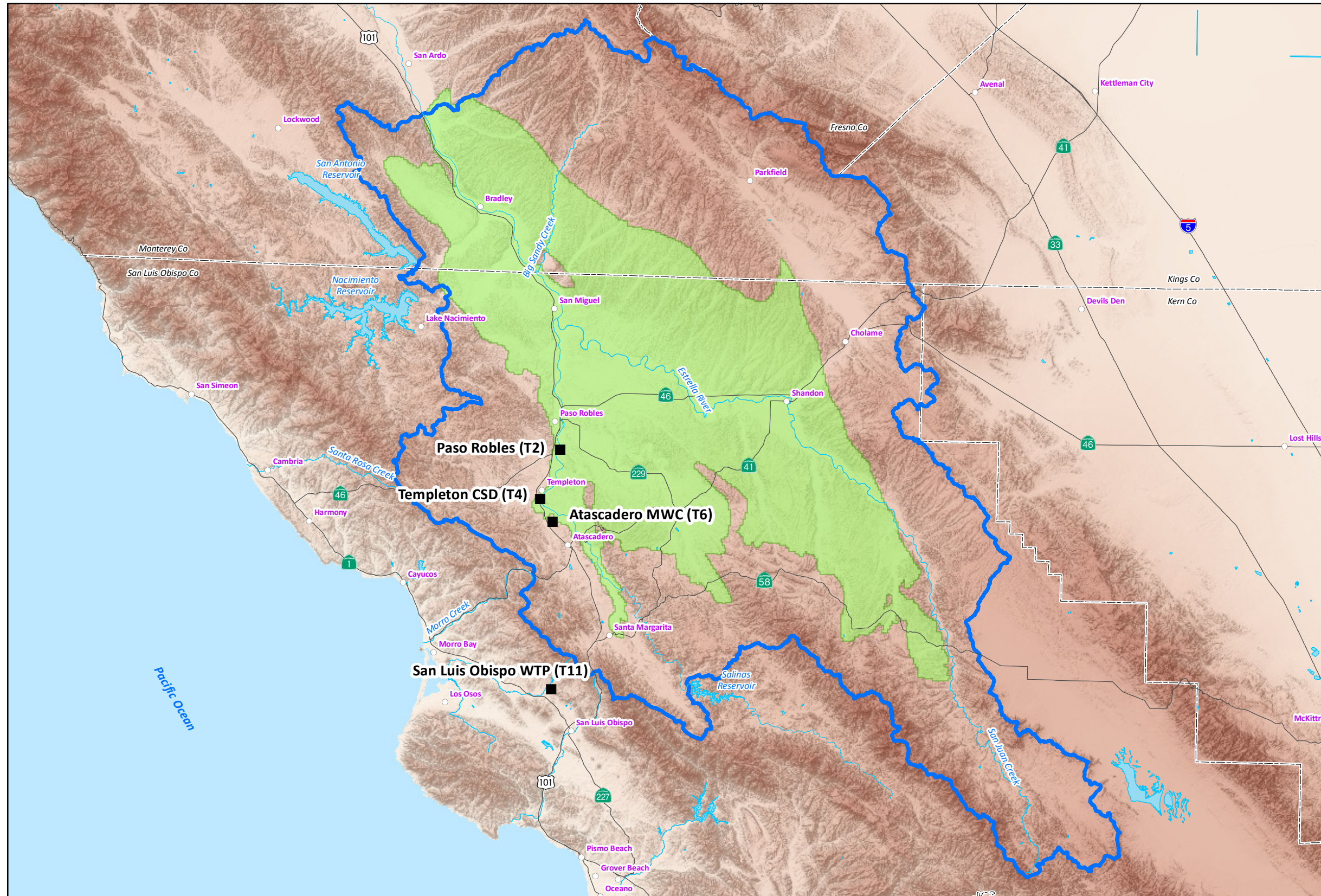


Figure 103



NACIMIENTO WATER PROJECT TURNOUT LOCATIONS

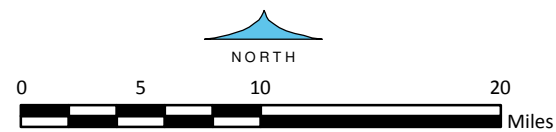
EXPLANATION

- Nacimiento Water Project Turnout
- Paso Robles Groundwater Basin Model Active Area (Source: Fugro, ETIC Engineers and Cleath, 2005)
- ▭ Paso Robles Area Watershed Boundary
- - - County Boundary

19-Dec-14

Prepared by: DWB. Map Projection: State Plane 1983, Zone V.

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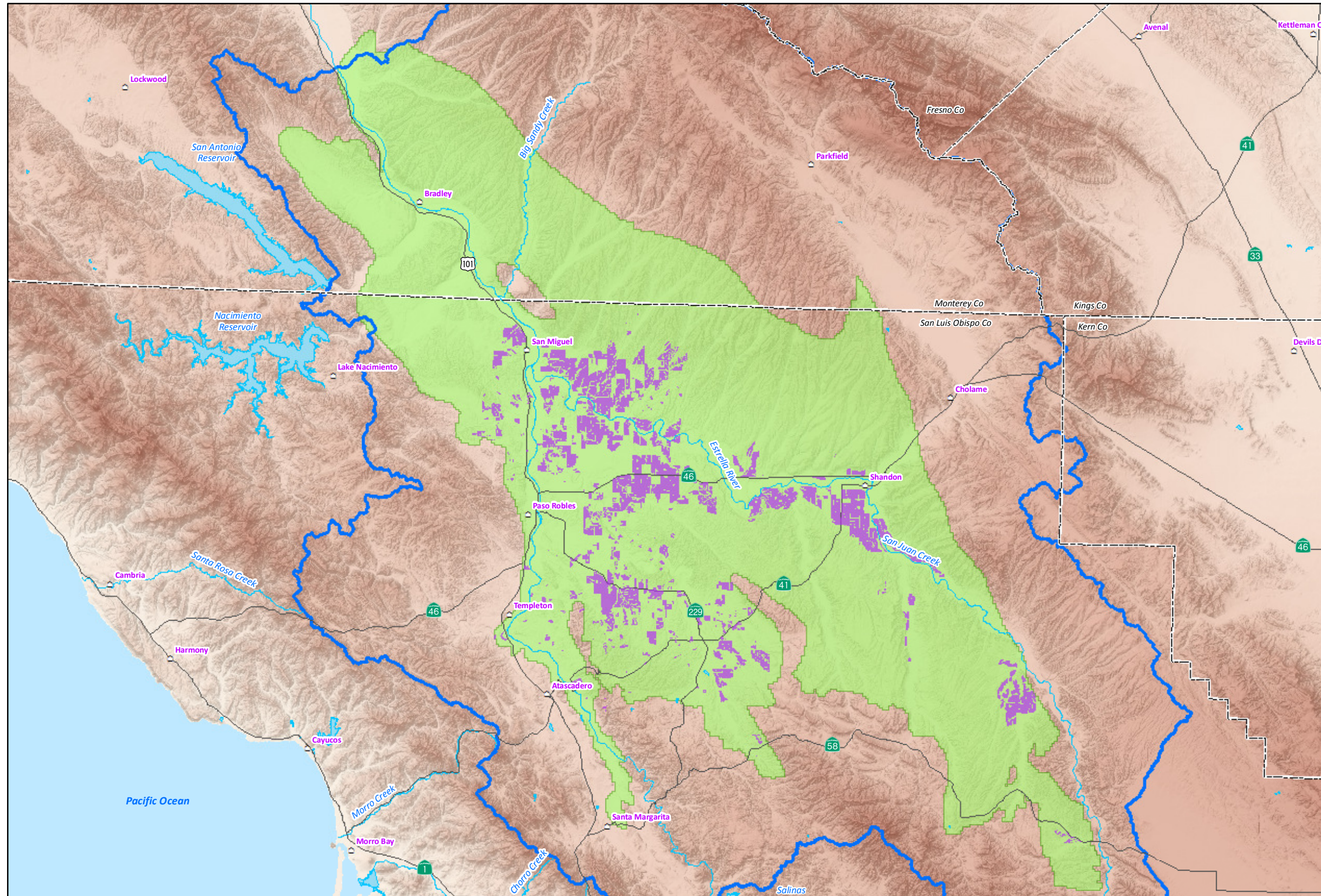


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Figure 104

**PROJECTED 2013
VINEYARDS IN THE
PASO ROBLES
GROUNDWATER BASIN**

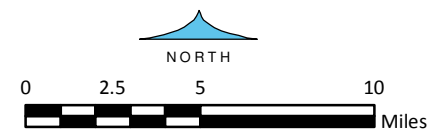


- EXPLANATION**
- Projected 2013 Vineyards in the Paso Robles Groundwater Basin (Source: SLOFCWCD, 2013)
 - Vineyard
 - Paso Robles Groundwater Basin Model Active Area (Source: Fugro, ETIC Engineers and Cleath, 2005)
 - Paso Robles Area Watershed Boundary
 - County Boundary

19-Dec-14

Prepared by: DWB. Map Projection: State Plane 1983, Zone V.

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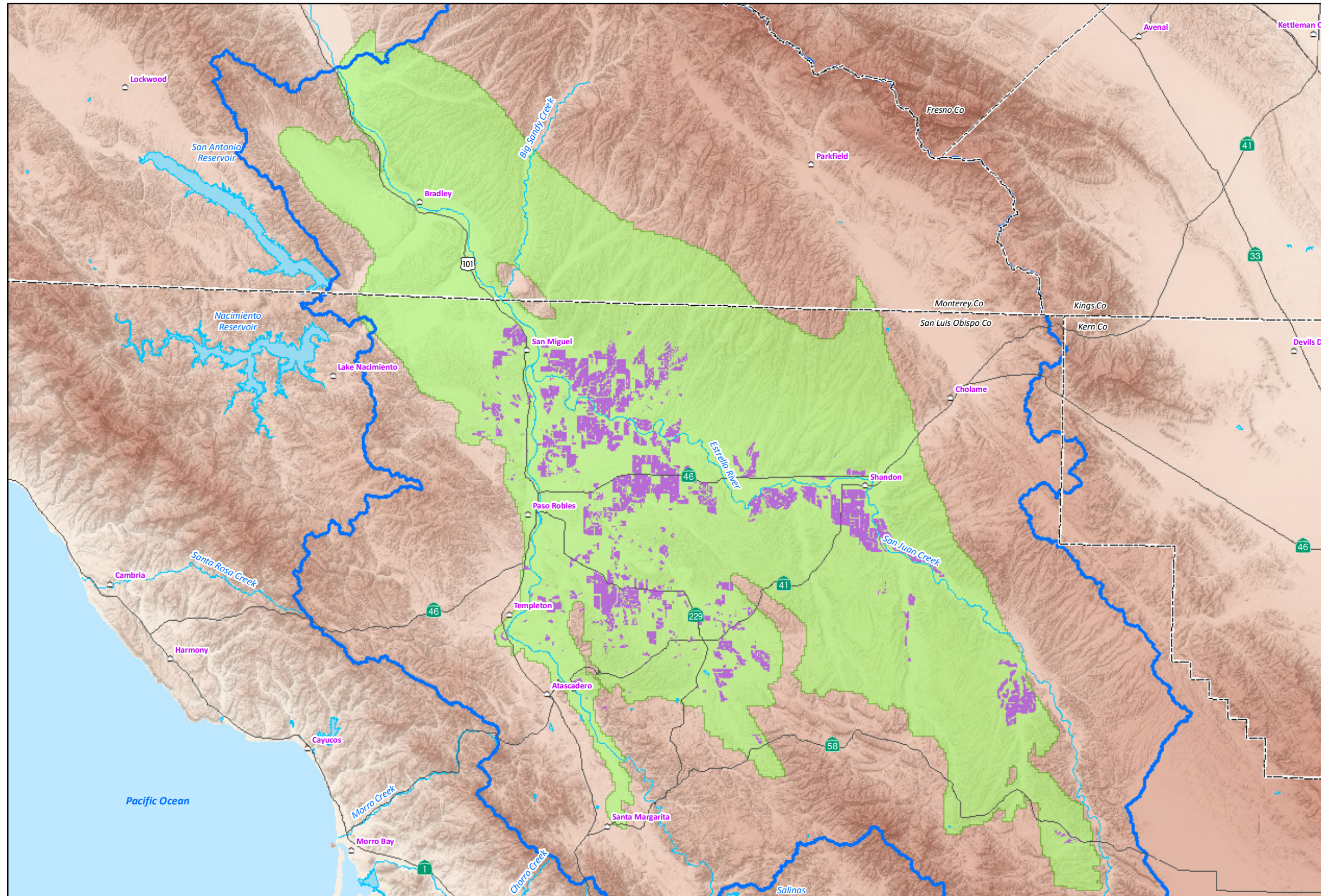


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Figure 105

**PROJECTED 2014
VINEYARDS IN THE
PASO ROBLES
GROUNDWATER BASIN**

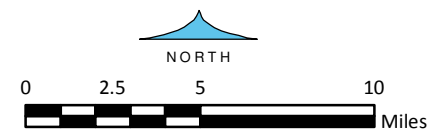


- EXPLANATION**
- Projected 2014 Vineyards in the Paso Robles Groundwater Basin (Source: SLOFCWCD, 2013)
 - Vineyard
 - Paso Robles Groundwater Basin Model Active Area (Source: Fugro, ETIC Engineers and Cleath, 2005)
 - Paso Robles Area Watershed Boundary
 - County Boundary

19-Dec-14

Prepared by: DWB. Map Projection: State Plane 1983, Zone V.

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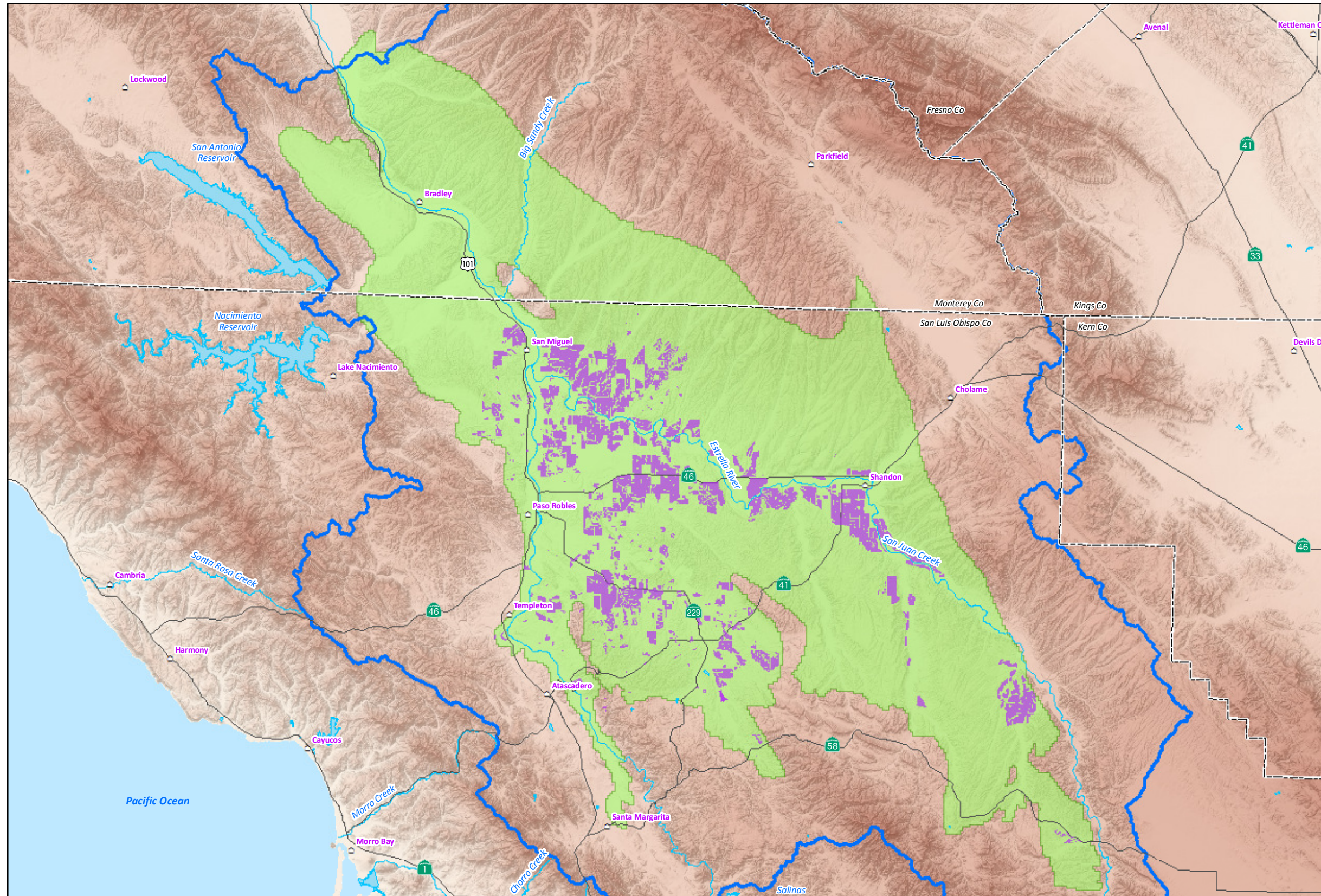


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Figure 106

**PROJECTED 2017
VINEYARDS IN THE
PASO ROBLES
GROUNDWATER BASIN**



EXPLANATION

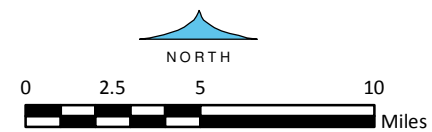
Projected 2017 Vineyards
in the Paso Robles Groundwater Basin
(Source: SLOFCWCD, 2013)

- Vineyard
- Paso Robles Groundwater Basin Model Active Area (Source: Fugro, ETIC Engineers and Cleath, 2005)
- Paso Robles Area Watershed Boundary
- County Boundary

19-Dec-14

Prepared by: DWB. Map Projection: State Plane 1983, Zone V.

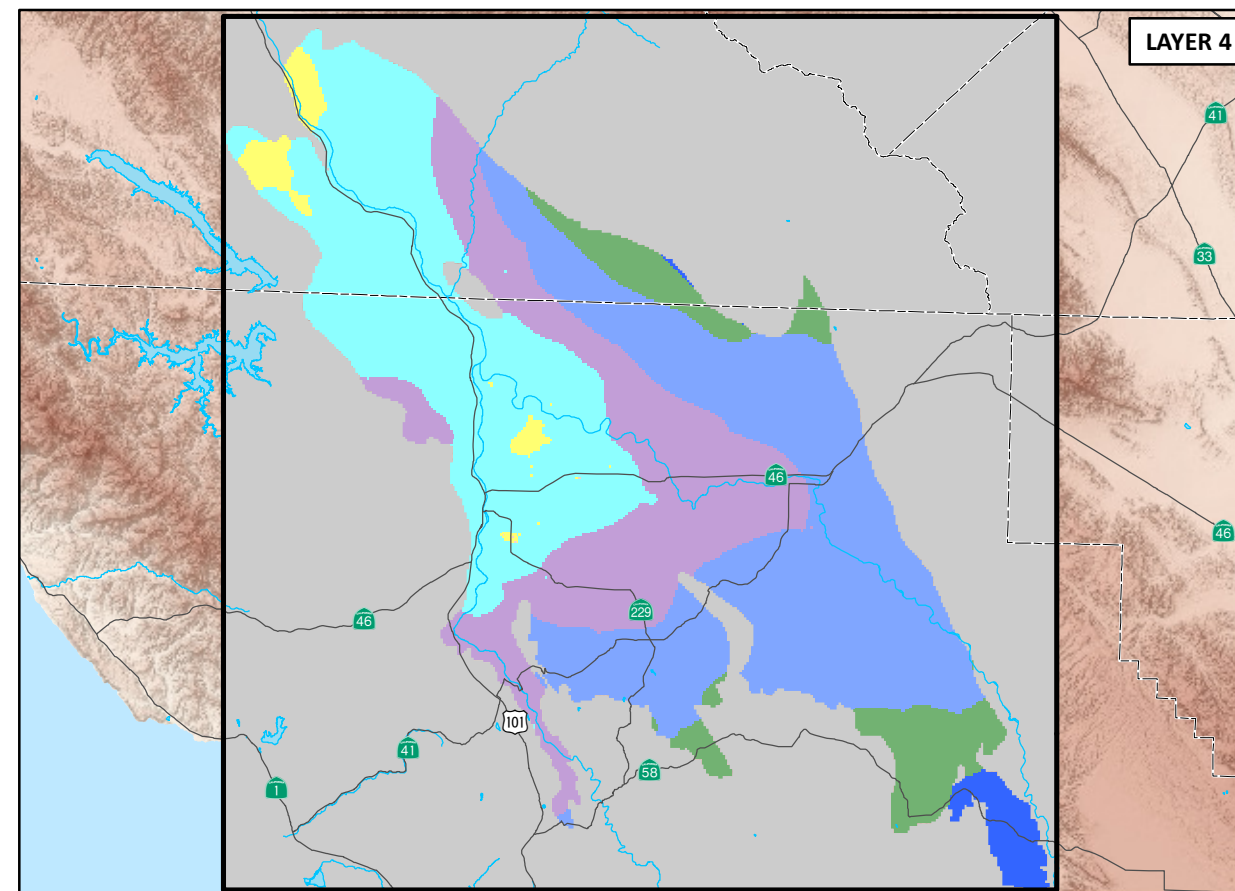
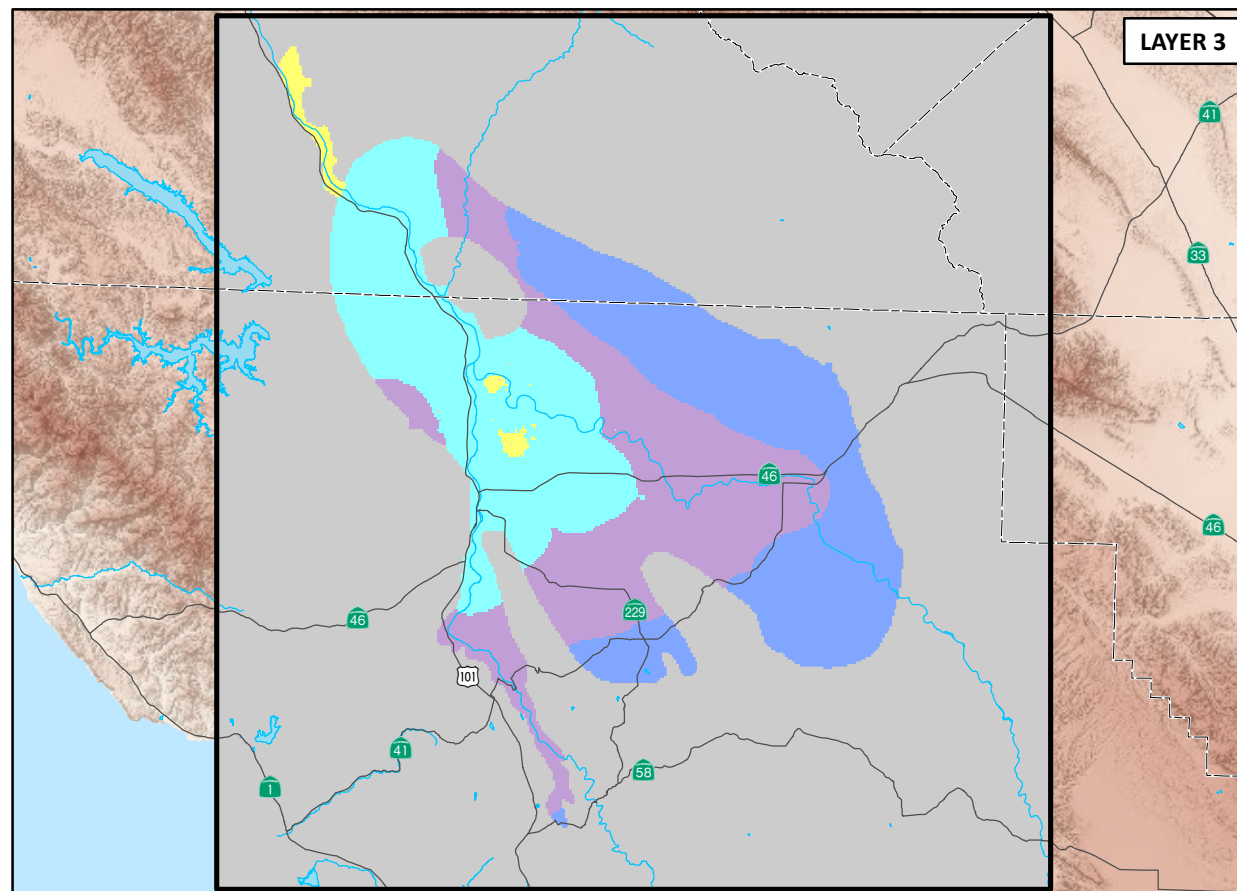
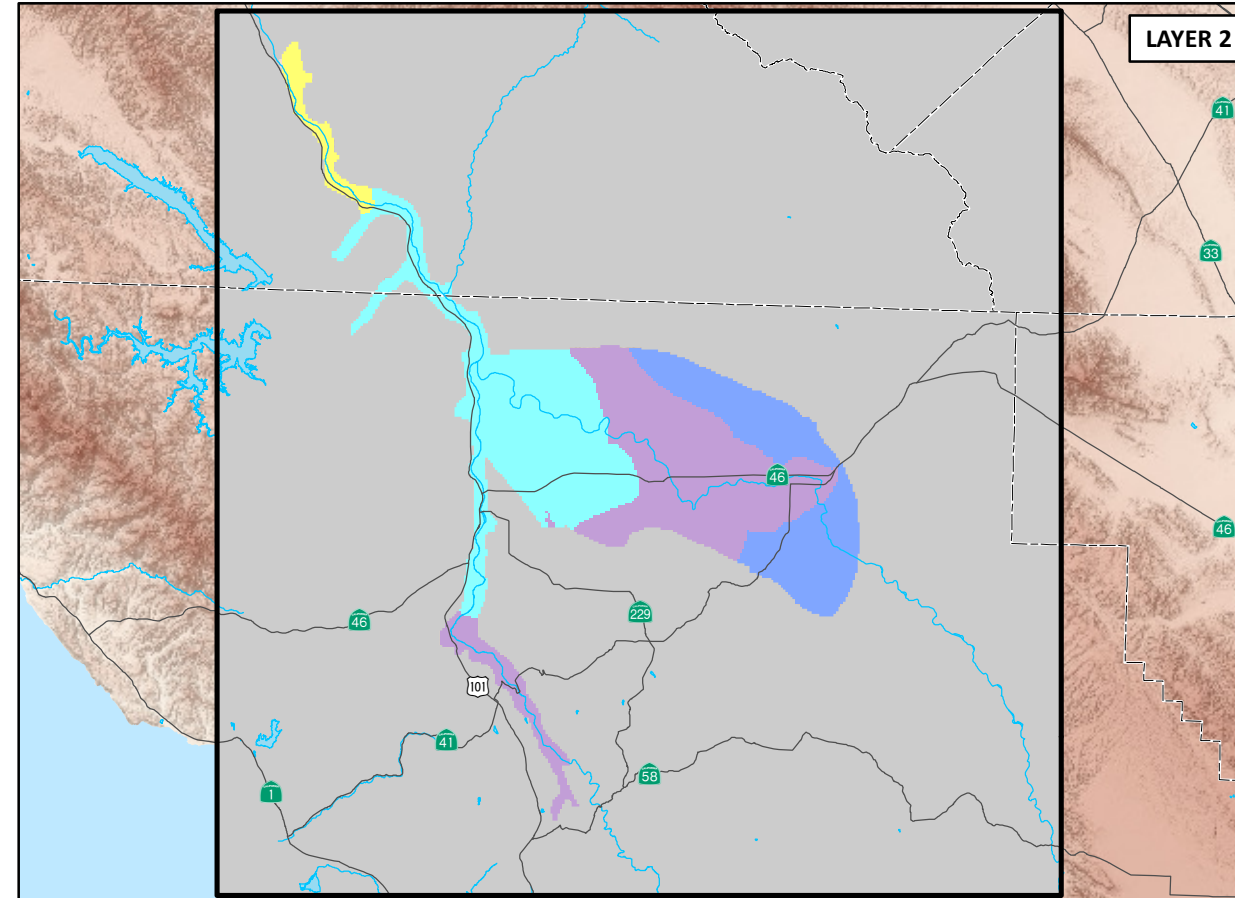
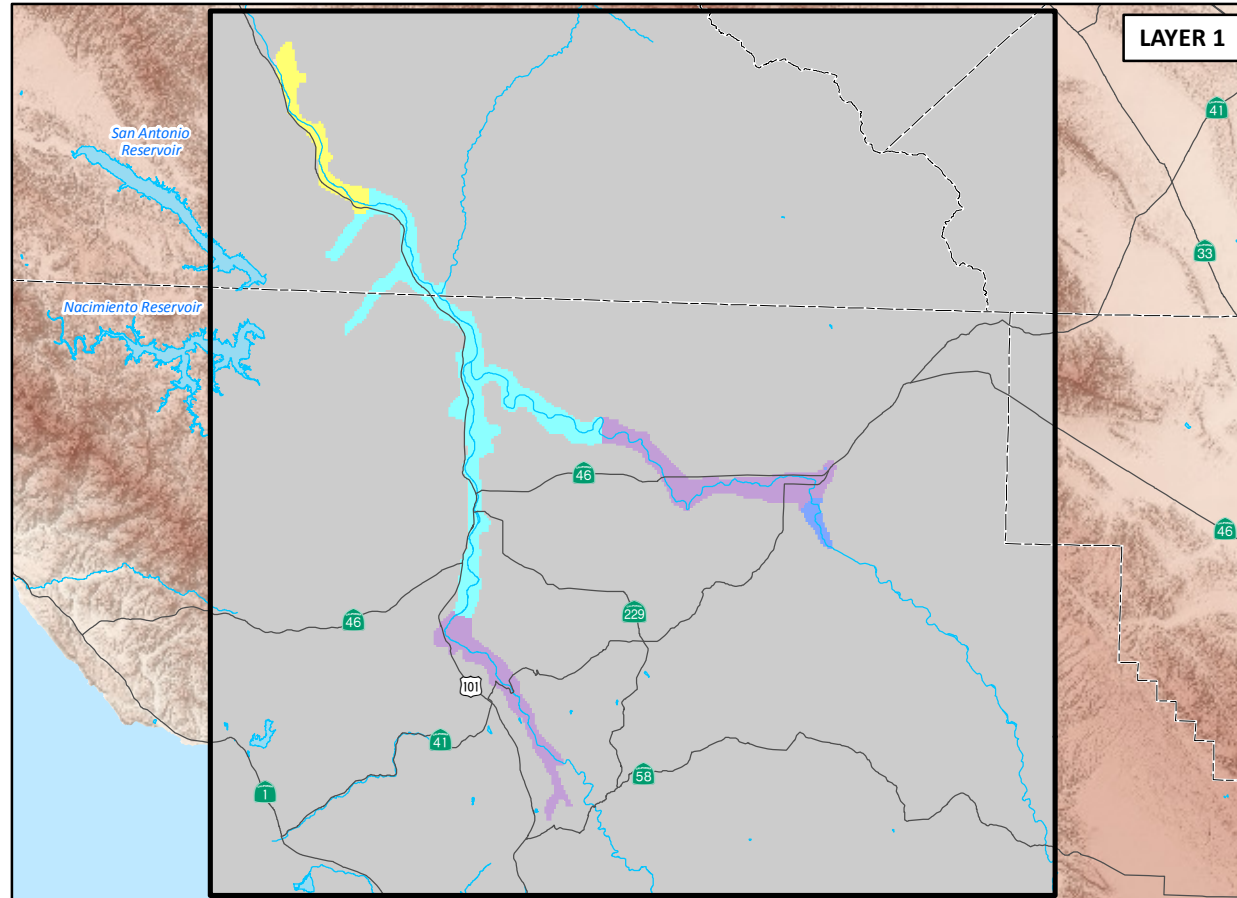
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Figure 107



INITIAL GROUNDWATER ELEVATIONS USED FOR PREDICTIVE MODEL RUNS END OF TRANSIENT CALIBRATION (SEPTEMBER 2011)

EXPLANATION

Initial Groundwater Elevation (ft amsl)

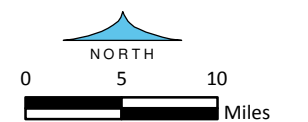
- 400 - 500
- 500 - 750
- 750 - 1,000
- 1,000 - 1,250
- 1,250 - 1,500
- 1,500 - 1,750

Paso Robles Groundwater Basin Model Domain

Paso Robles Groundwater Basin Model Inactive Area

(Source: Fugro, ETIC Engineers and Cleath, 2005)

County Boundary

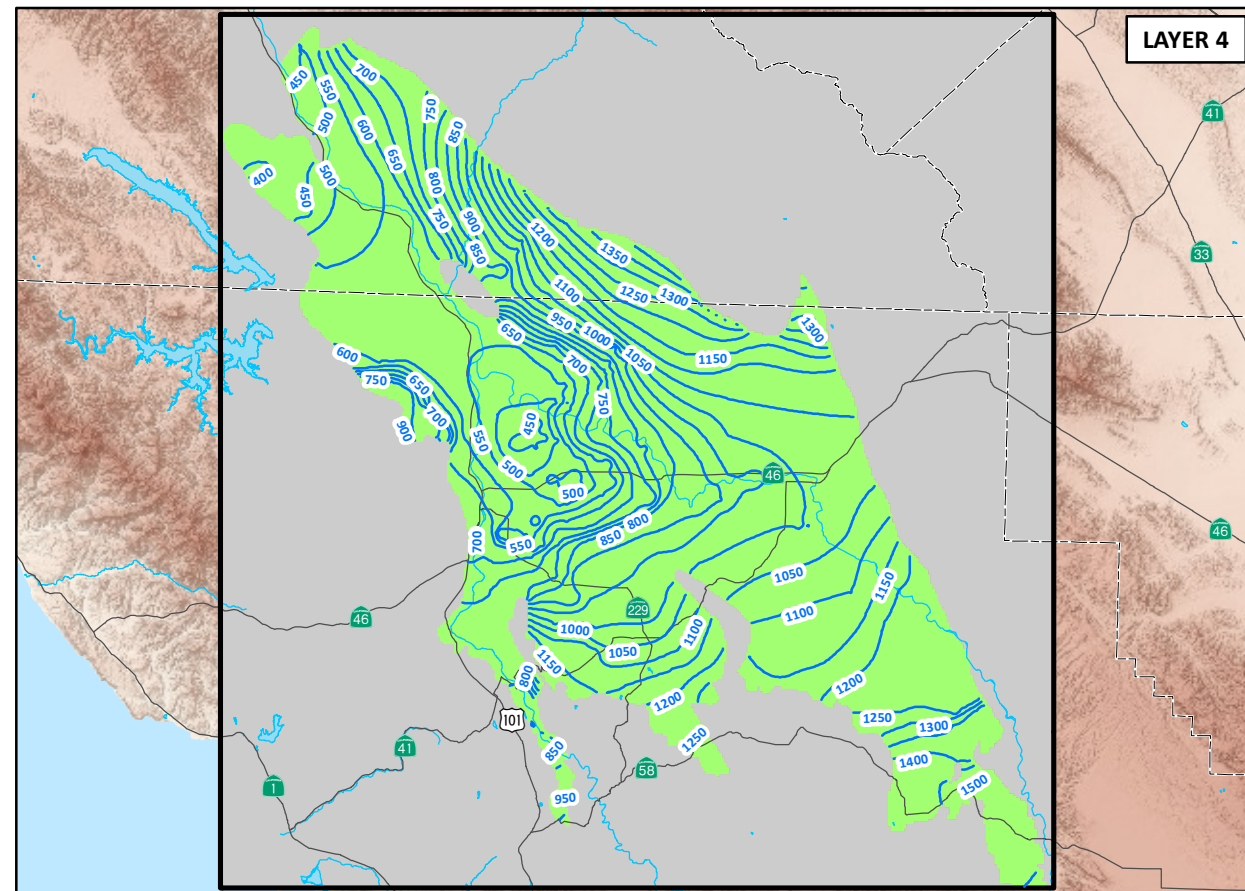
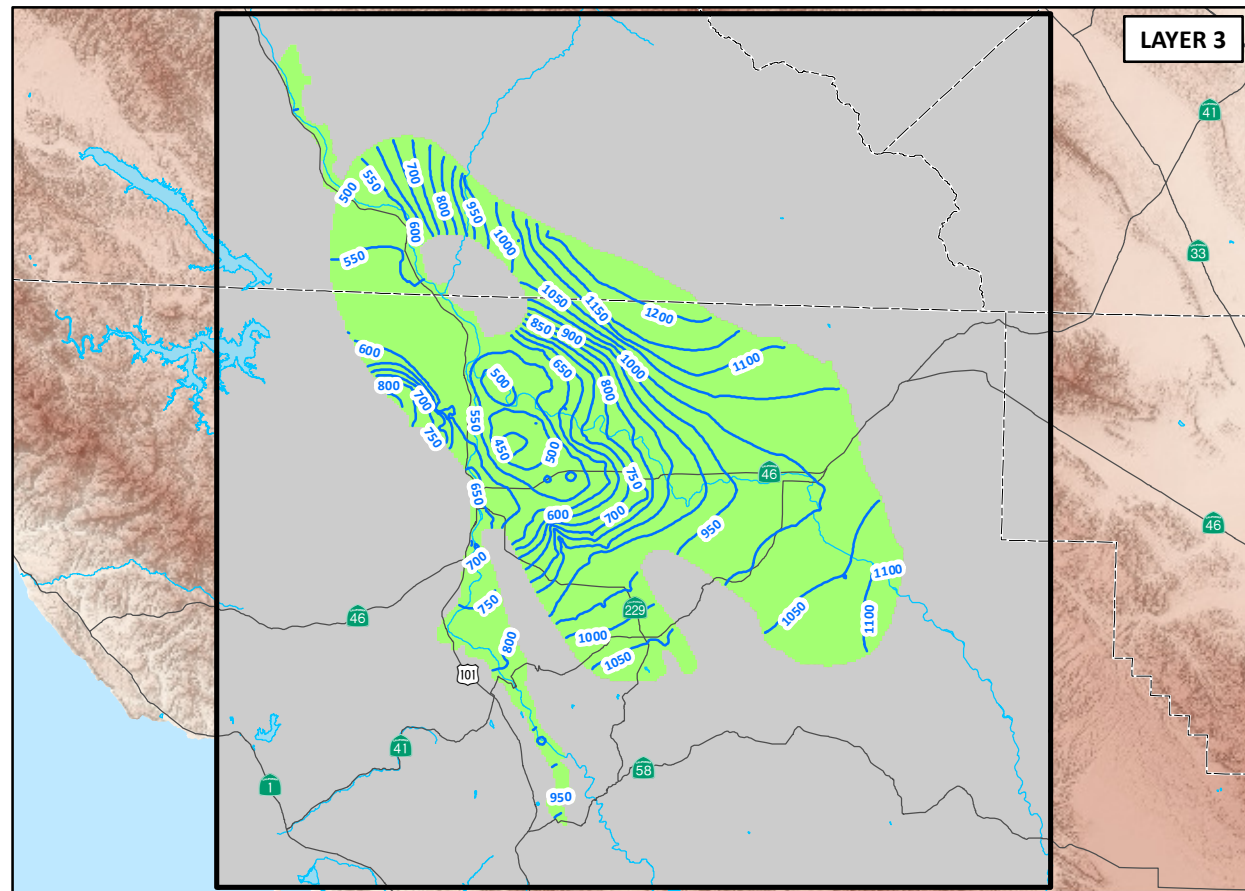
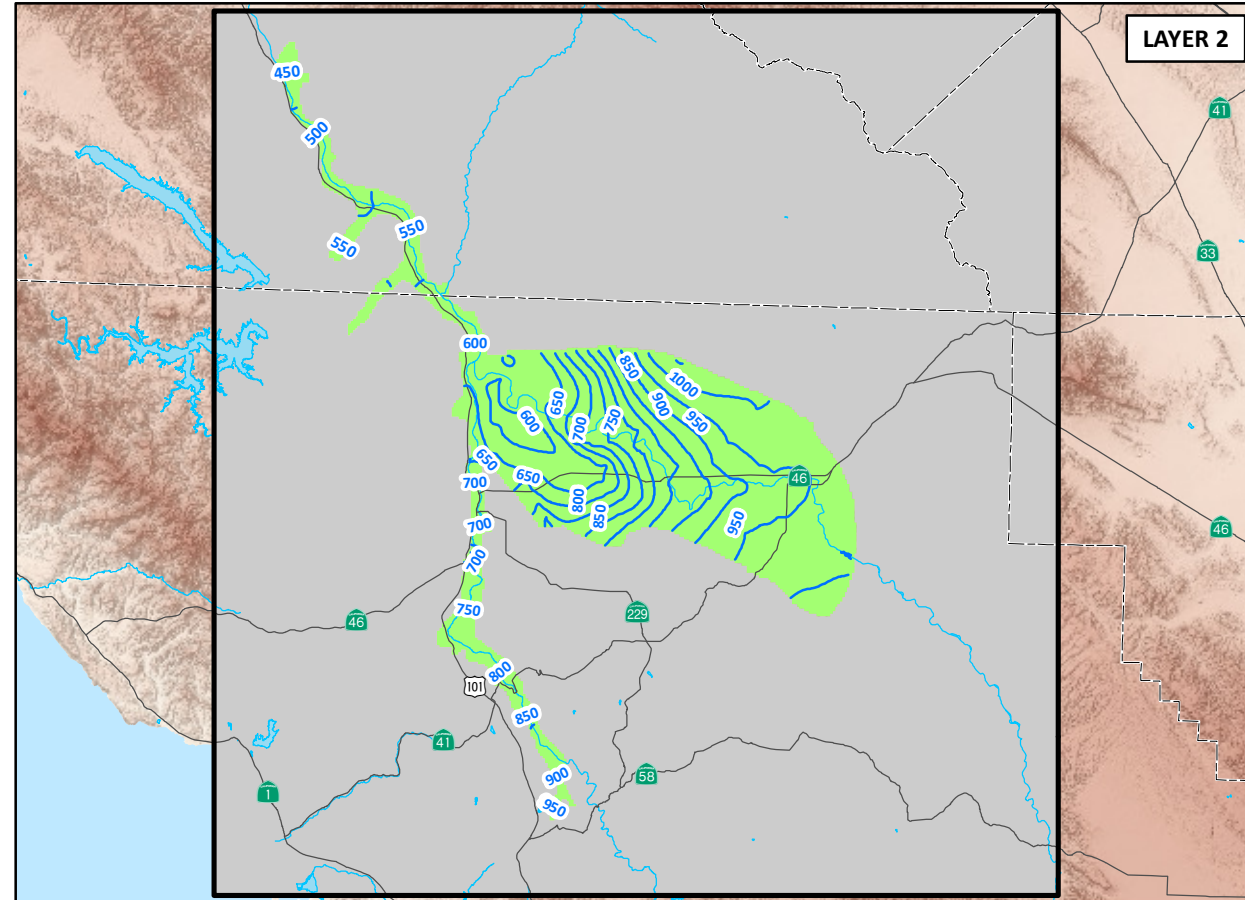
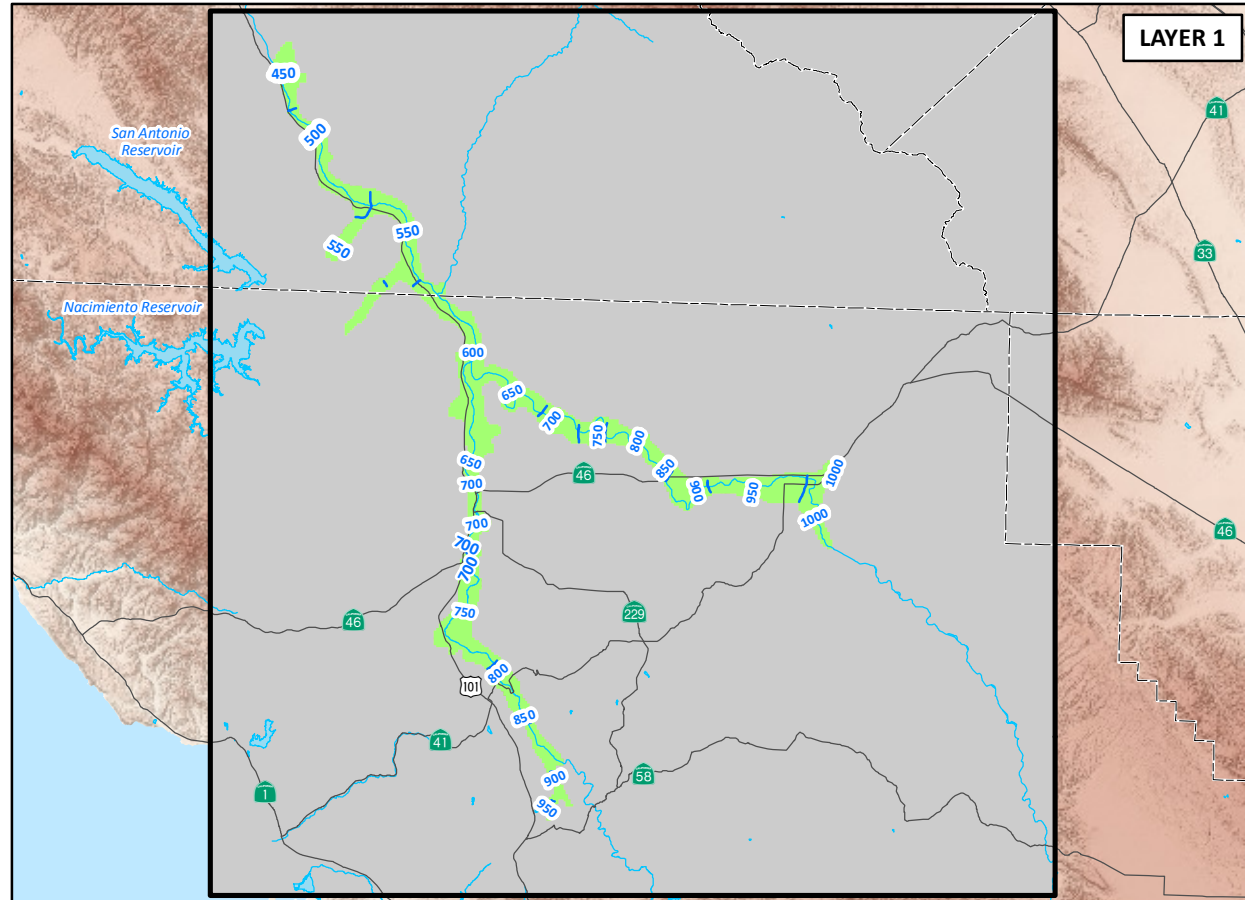


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SAN LUIS OBISPO COUNTY FLOOD CONTROL AND WATER CONSERVATION DISTRICT

PASO ROBLES GROUNDWATER BASIN MODEL UPDATE



**MODEL-GENERATED
GROUNDWATER
ELEVATIONS
IN SEPTEMBER 2040
MODEL RUN 1**

EXPLANATION

— 1150 — Groundwater Elevations (ft amsl)

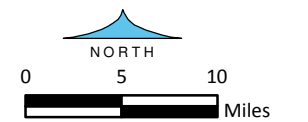
□ Paso Robles Groundwater Basin Model Domain

■ Paso Robles Groundwater Basin Model Active Area

■ Paso Robles Groundwater Basin Model Inactive Area

(Source: Fugro, ETIC Engineers and Cleath, 2005)

----- County Boundary

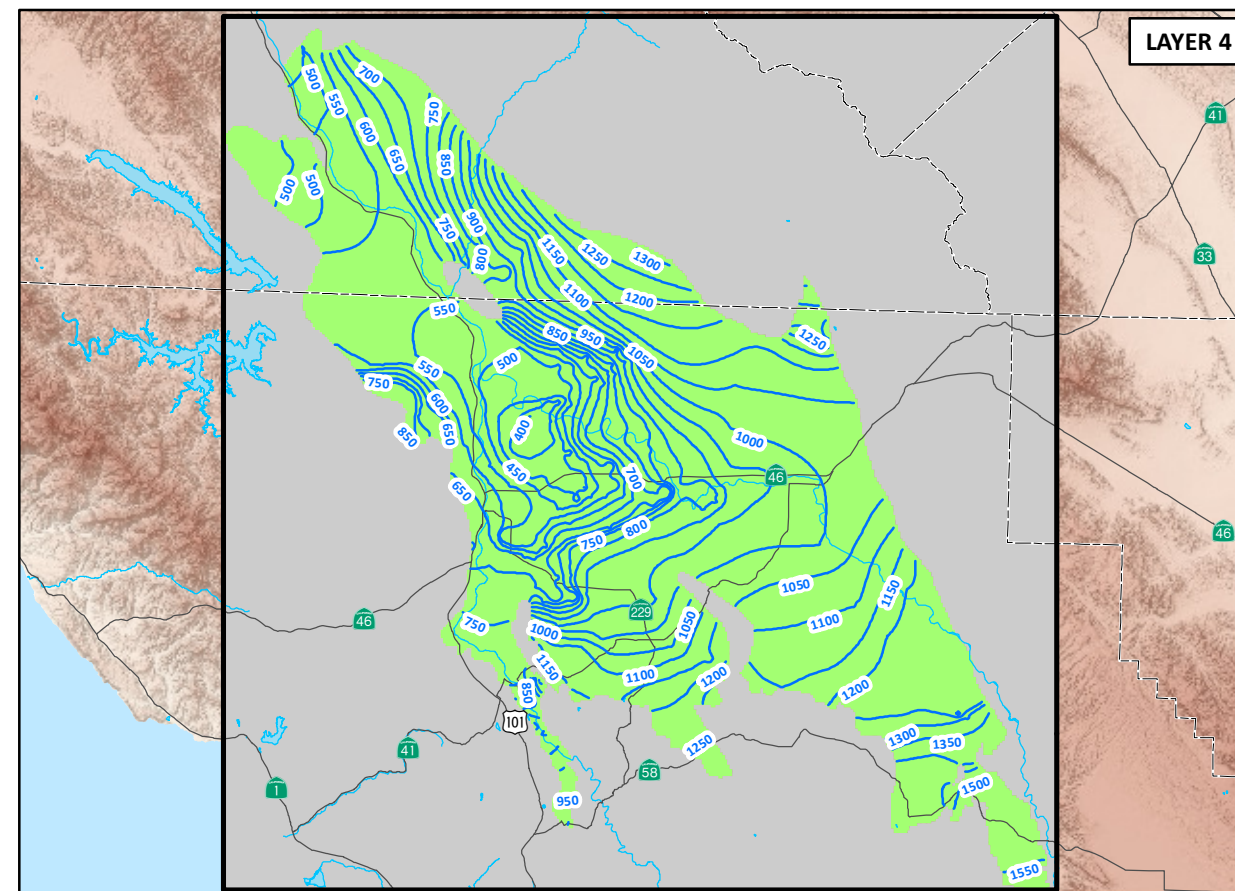
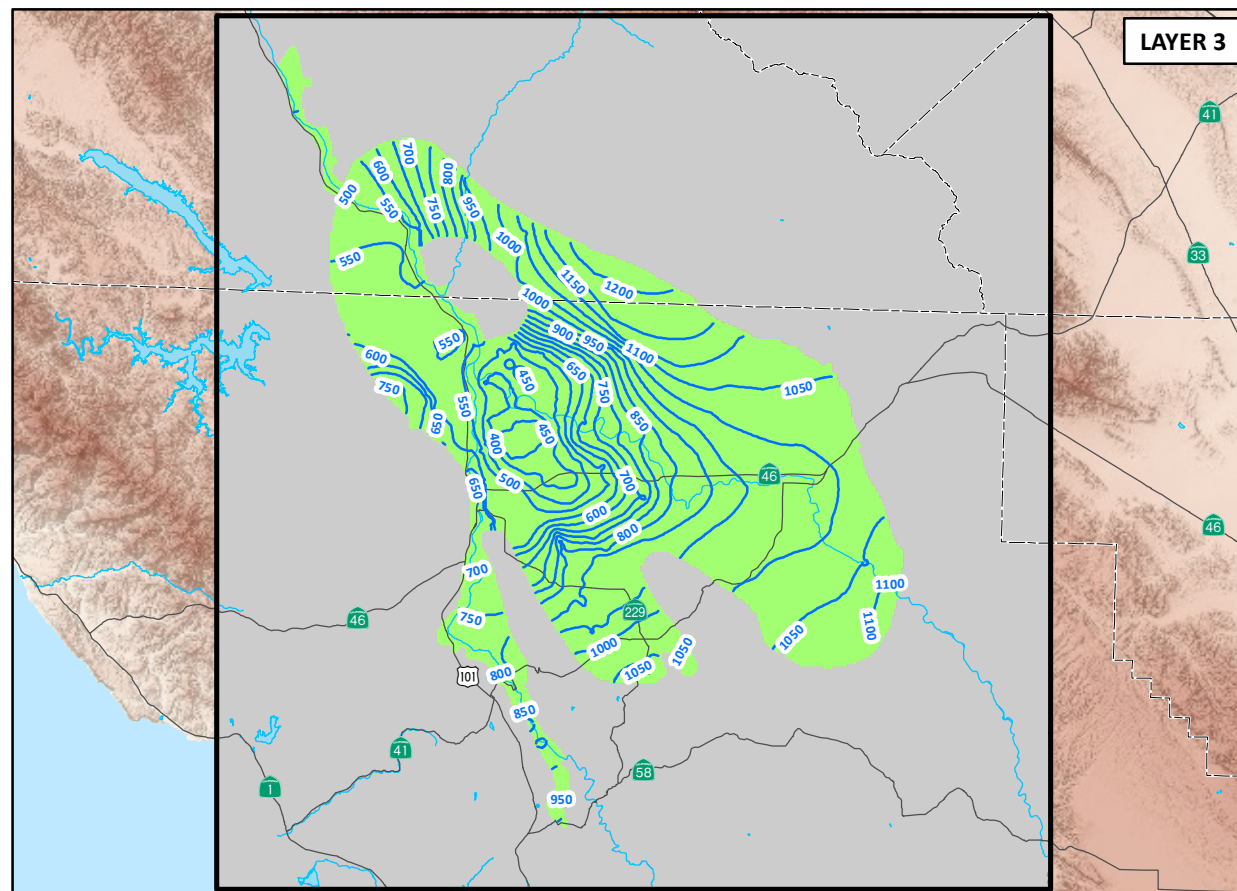
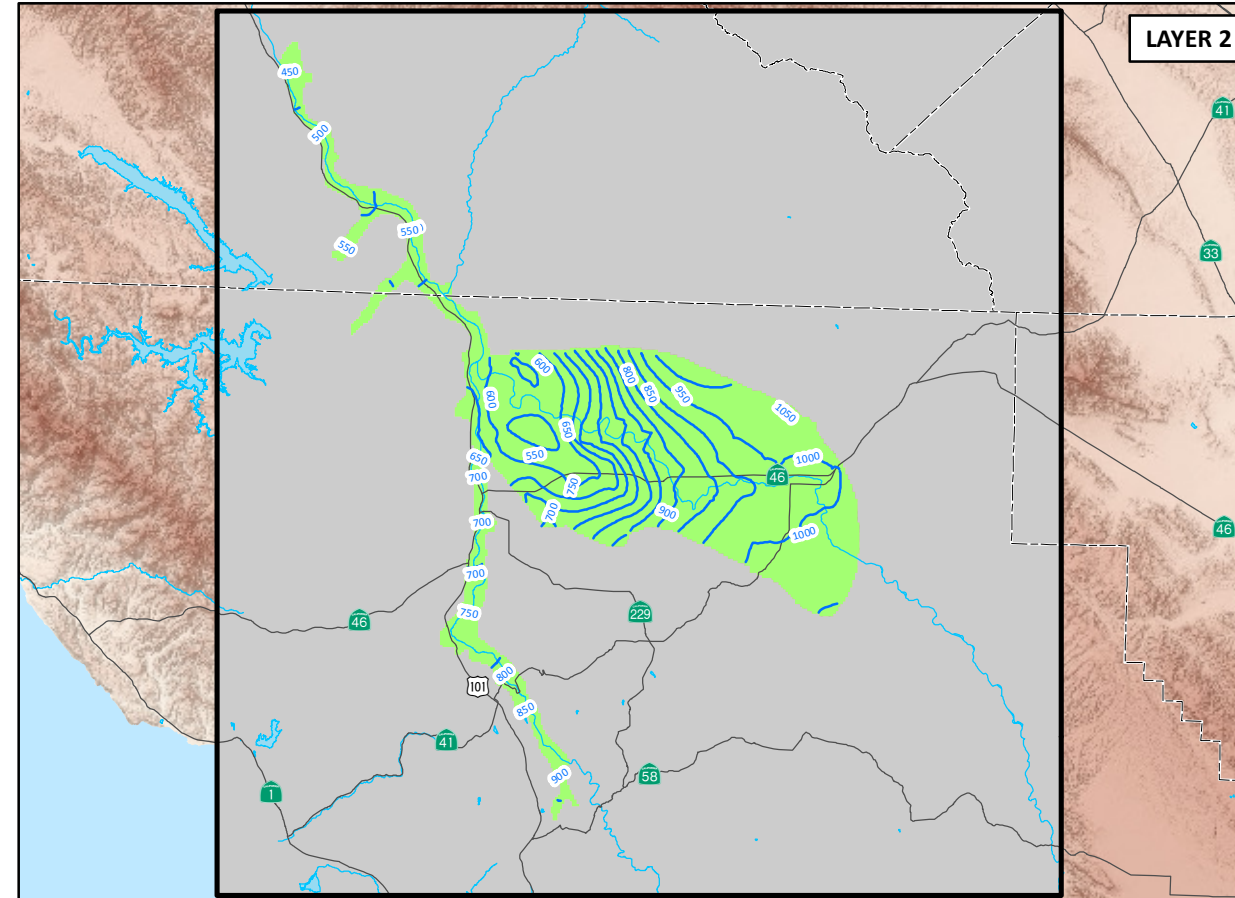
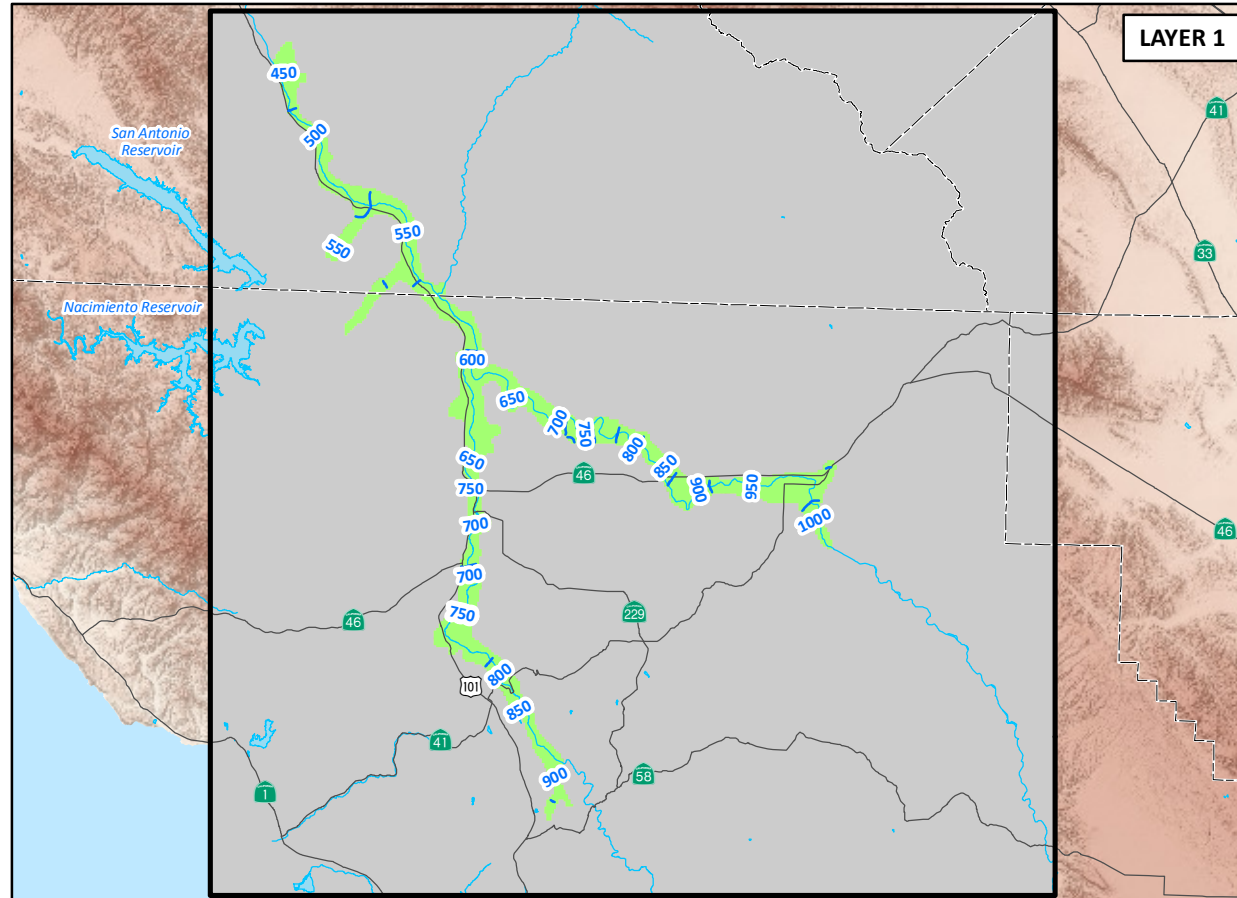


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SAN LUIS OBISPO COUNTY FLOOD CONTROL AND WATER CONSERVATION DISTRICT

PASO ROBLES GROUNDWATER BASIN MODEL UPDATE



MODEL-GENERATED
GROUNDWATER
ELEVATIONS
IN SEPTEMBER 2040
MODEL RUN 2

EXPLANATION

— 1150 — Groundwater Elevations (ft amsl)

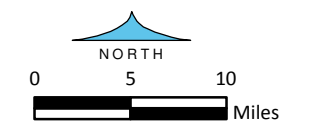
□ Paso Robles Groundwater Basin Model Domain

■ Paso Robles Groundwater Basin Model Active Area

■ Paso Robles Groundwater Basin Model Inactive Area

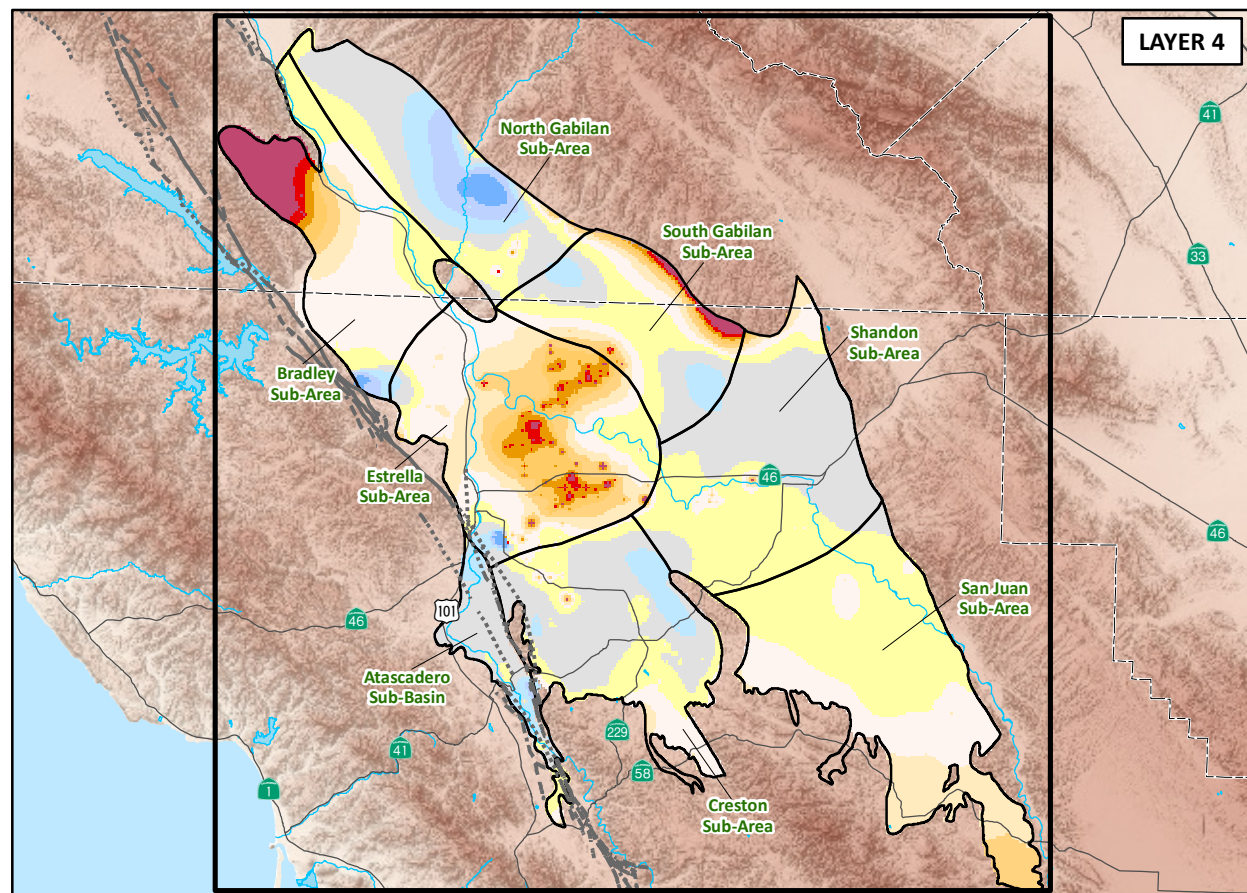
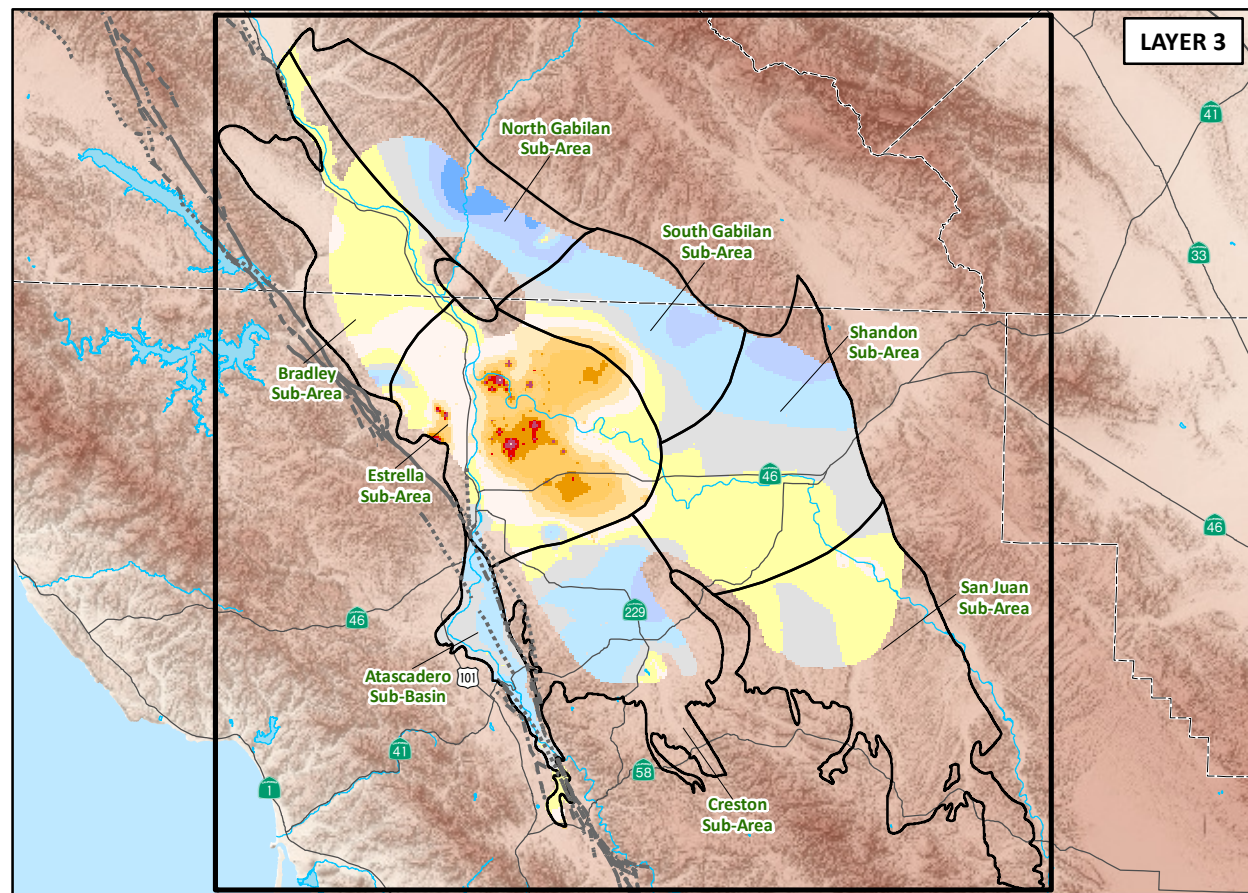
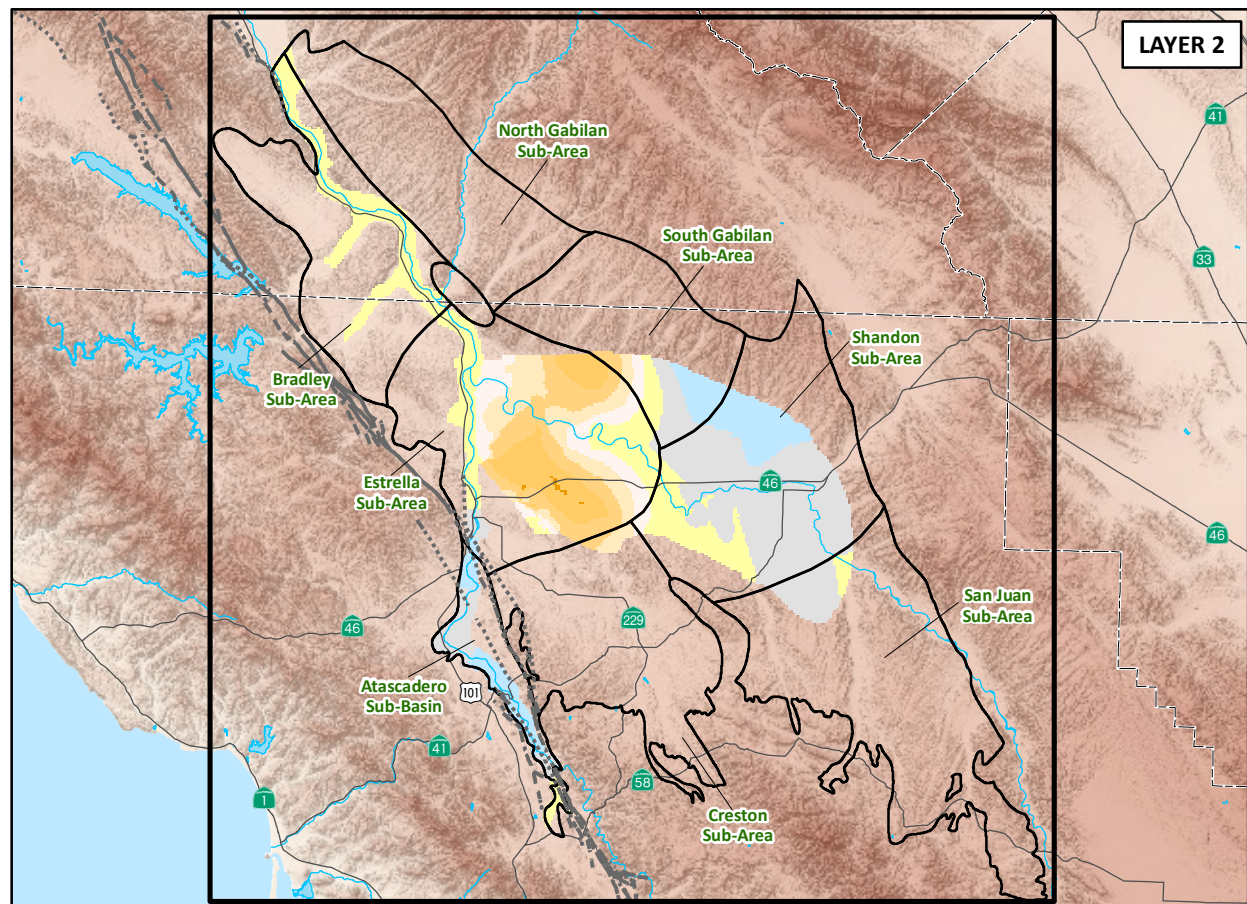
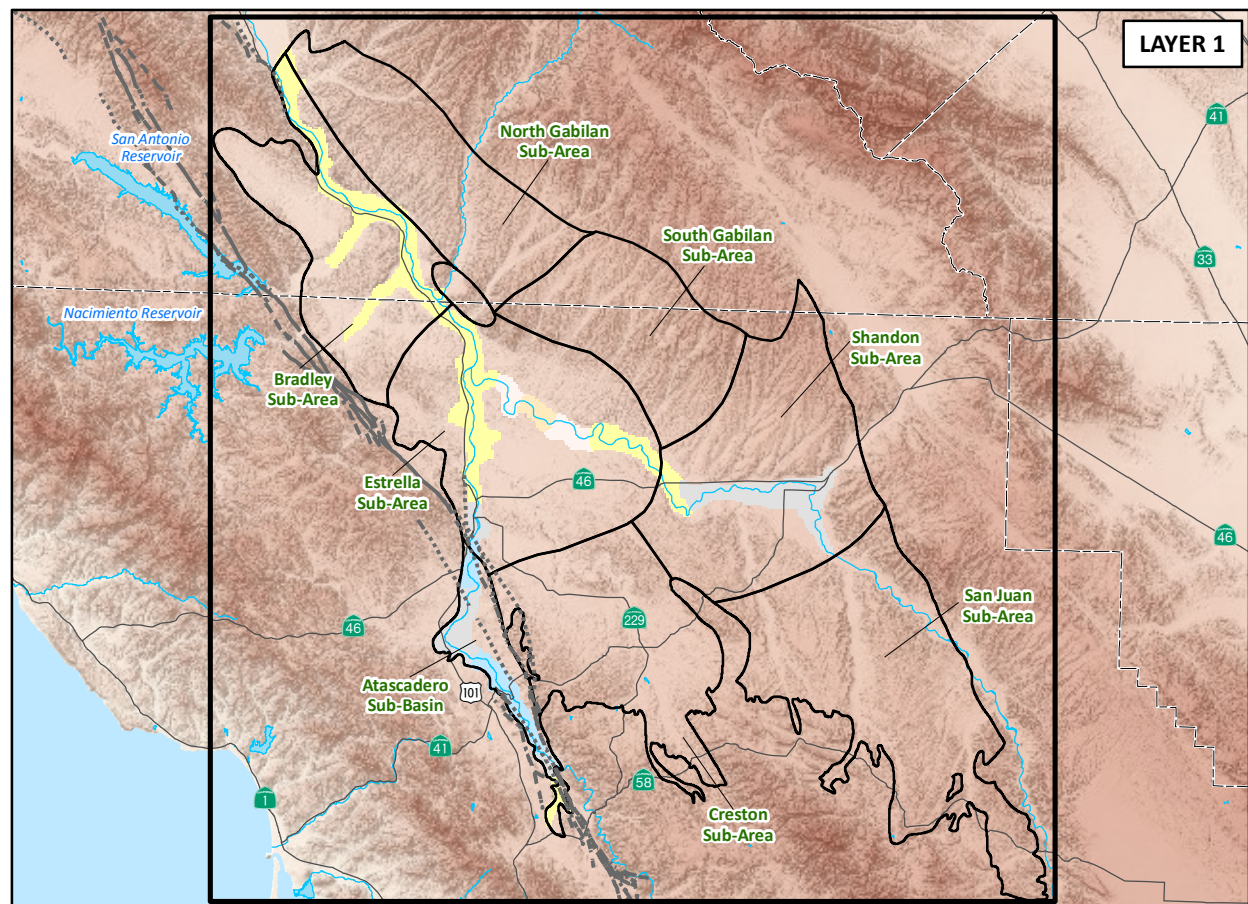
(Source: Fugro, ETIC Engineers and Cleath, 2005)

----- County Boundary



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MODEL-GENERATED CHANGES IN GROUNDWATER ELEVATIONS BETWEEN WATER YEAR 2011 AND 2040 MODEL RUN 1

EXPLANATION

Model-Generated Changes in Groundwater Elevations (ft)

- More than -70 ft
- 69 to -60 ft
- 59 to -50 ft
- 49 to -40 ft
- 39 to -30 ft
- 29 to -20 ft
- 19 to -10 ft
- 9 to 0 ft
- 1 to 10 ft
- 10 to 20 ft
- 21 to 30 ft
- More than 30 ft

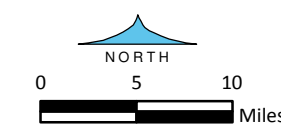
Paso Robles Groundwater Basin Model Domain

Paso Robles Groundwater Basin Boundary with Sub-Areas (Source: Fugro and Cleath, 2002)

— Fault (solid where known, dashed where inferred, dotted where concealed)

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--- County Boundary



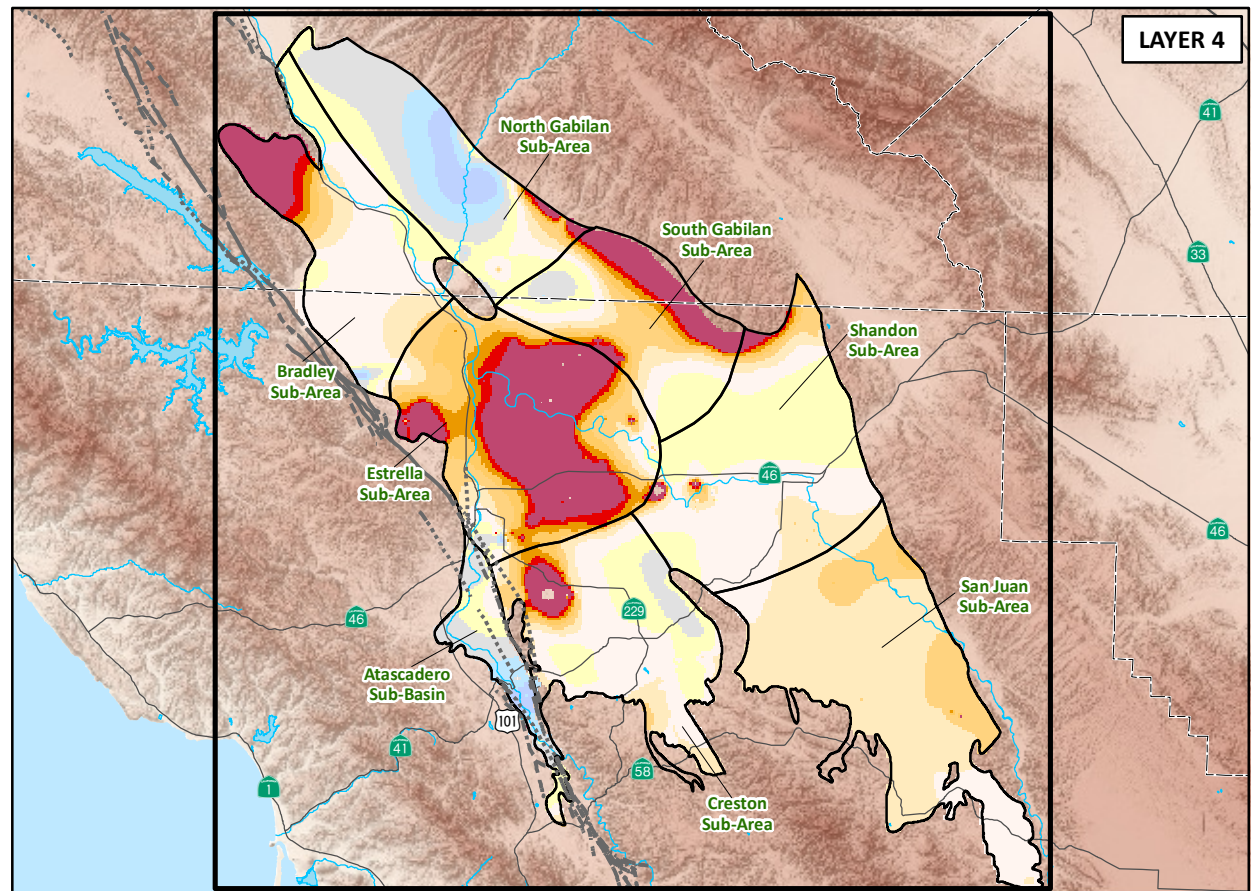
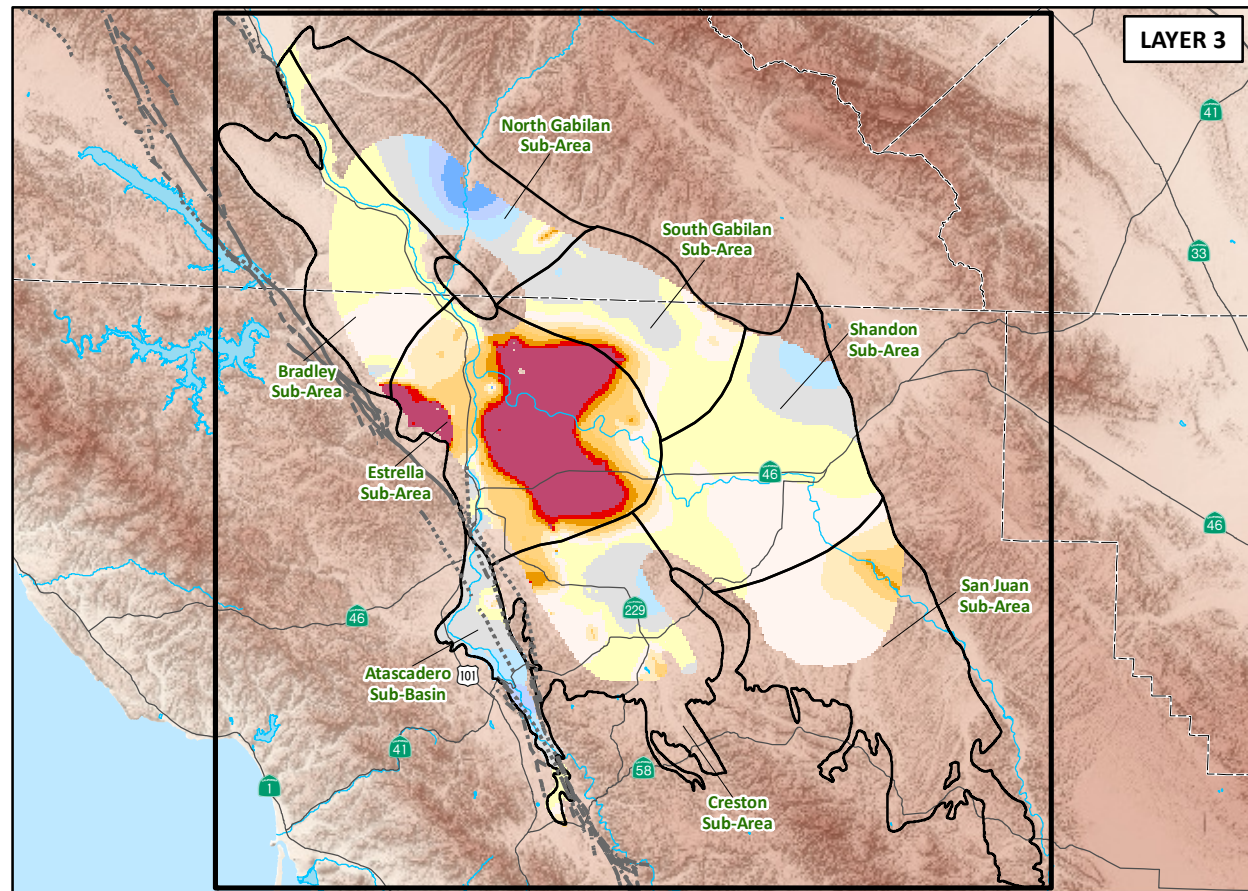
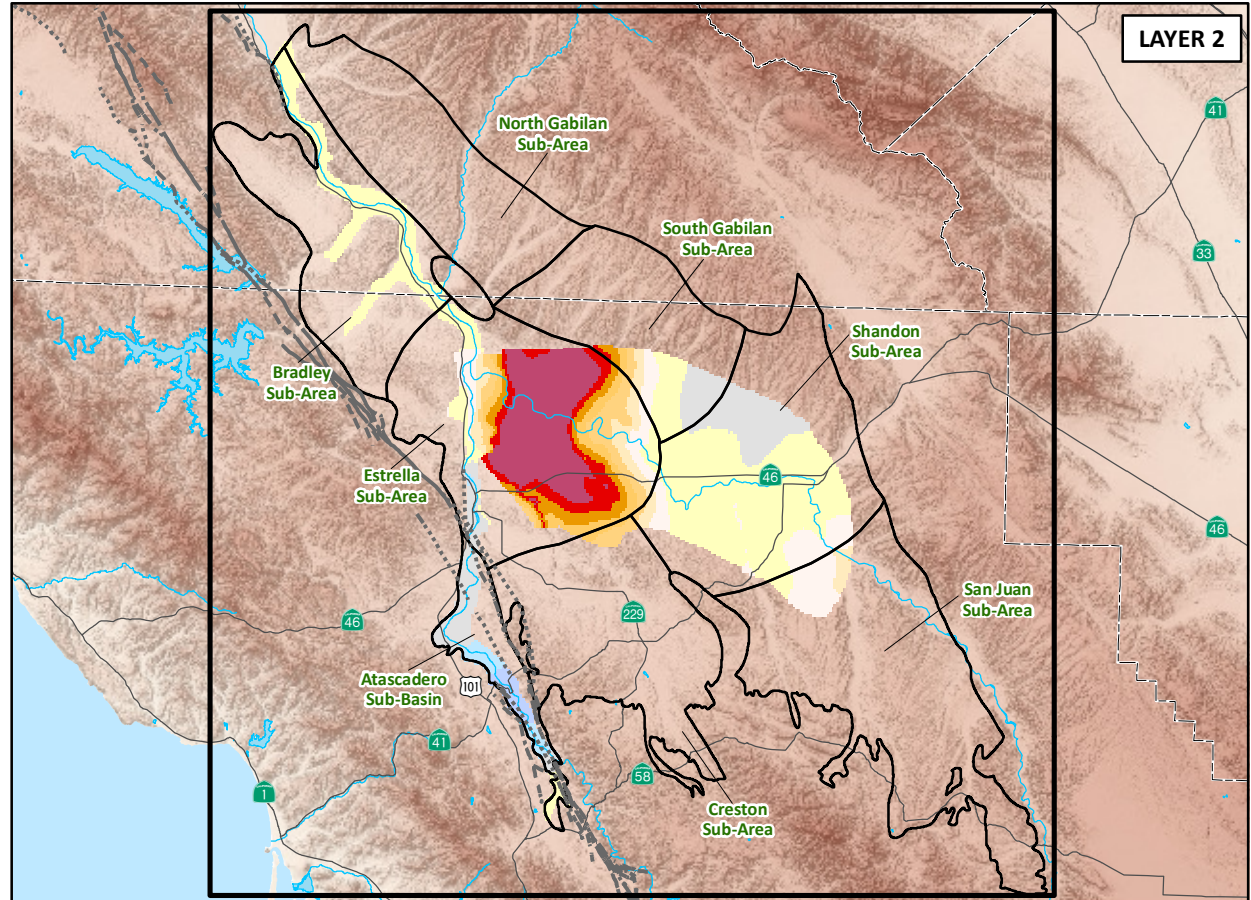
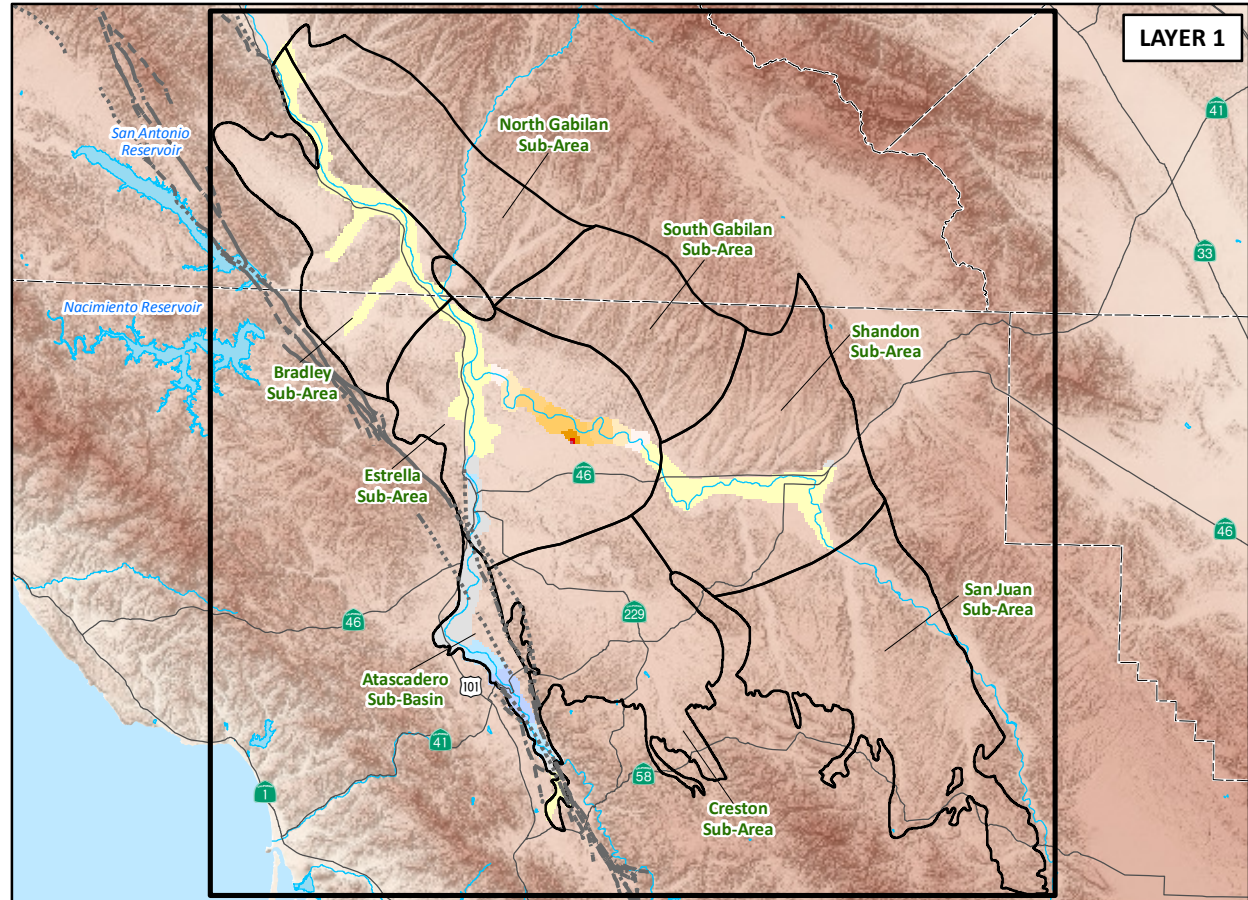
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Figure 111

SAN LUIS OBISPO COUNTY FLOOD CONTROL AND WATER CONSERVATION DISTRICT

PASO ROBLES GROUNDWATER BASIN MODEL UPDATE



MODEL-GENERATED CHANGES IN GROUNDWATER ELEVATIONS BETWEEN WATER YEAR 2011 AND 2040 MODEL RUN 2

EXPLANATION

Model-Generated Changes in Groundwater Elevations (ft)

- More than -70 ft
- 69 to -60 ft
- 59 to -50
- 49 to -40 ft
- 39 to -30 ft
- 29 to -20 ft
- 19 to -10 ft
- 9 to 0 ft
- 1 to 10 ft
- 10 to 20 ft
- 21 to 30 ft
- More than 30 ft

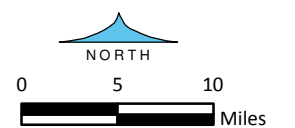
Paso Robles Groundwater Basin Model Domain

Paso Robles Groundwater Basin Boundary with Sub-Areas (Source: Fugro and Cleath, 2002)

Fault (solid where known, dashed where inferred, dotted where concealed)

Reproduced with permission, Division of Mines and Geology, CD-ROM 2000-006 (2000), Digital database of faults from the Fault Activity Map of California and Adjacent Areas.

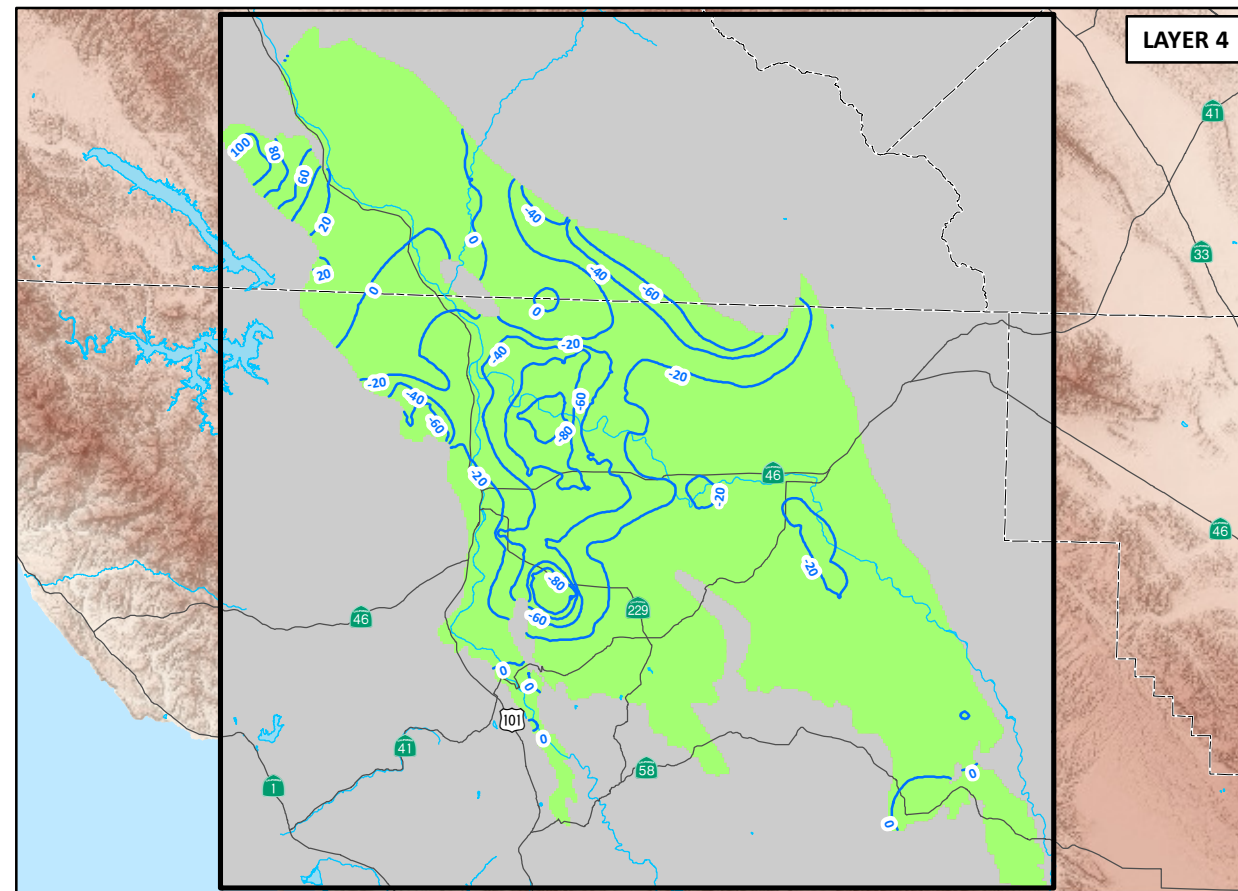
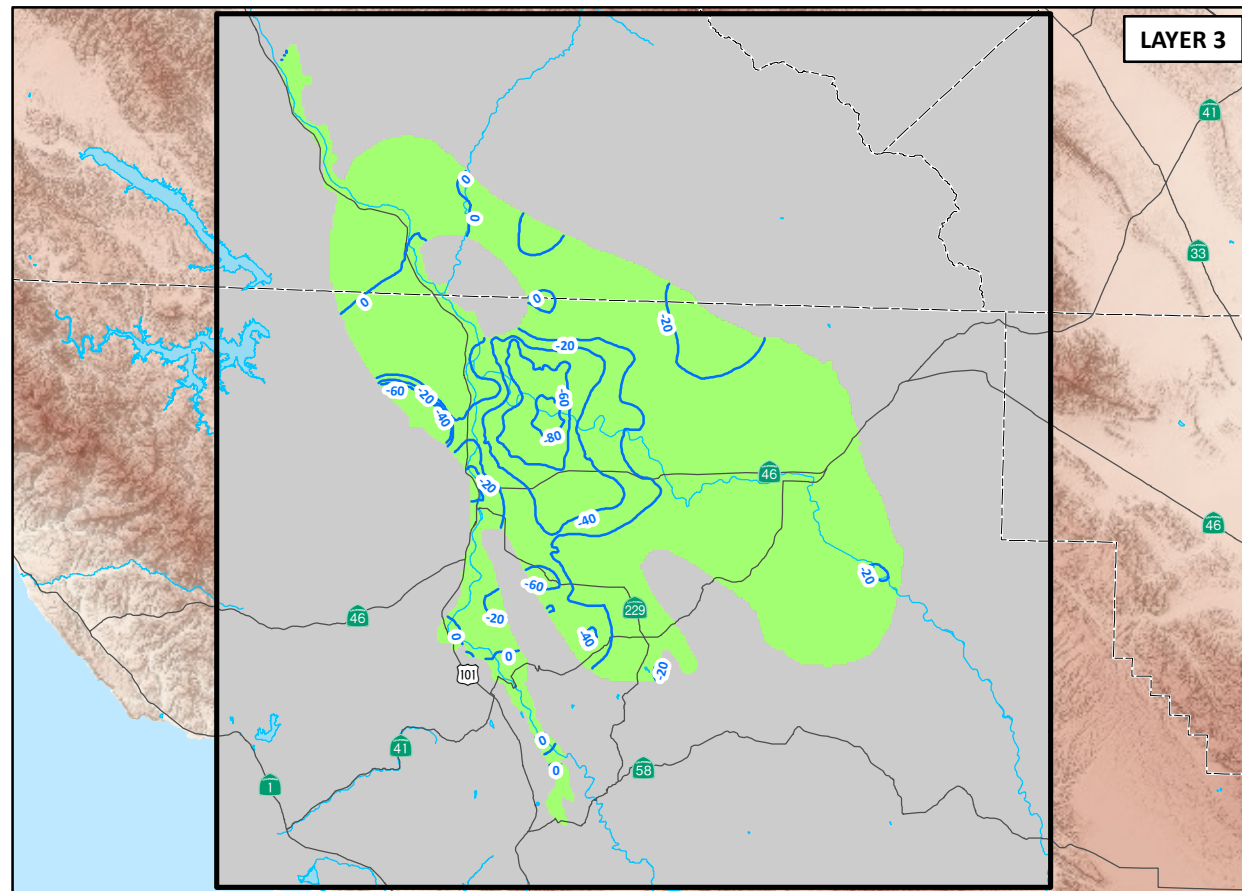
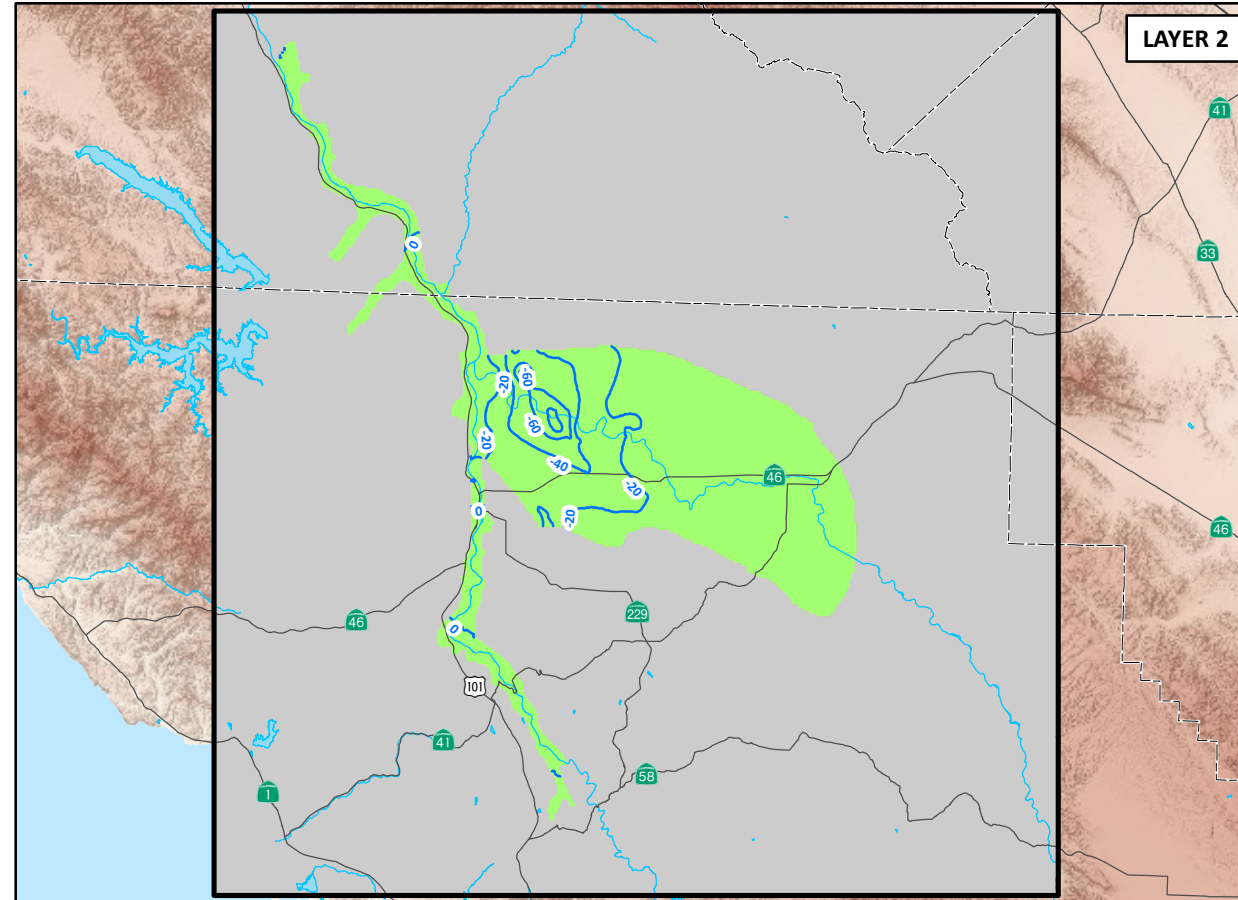
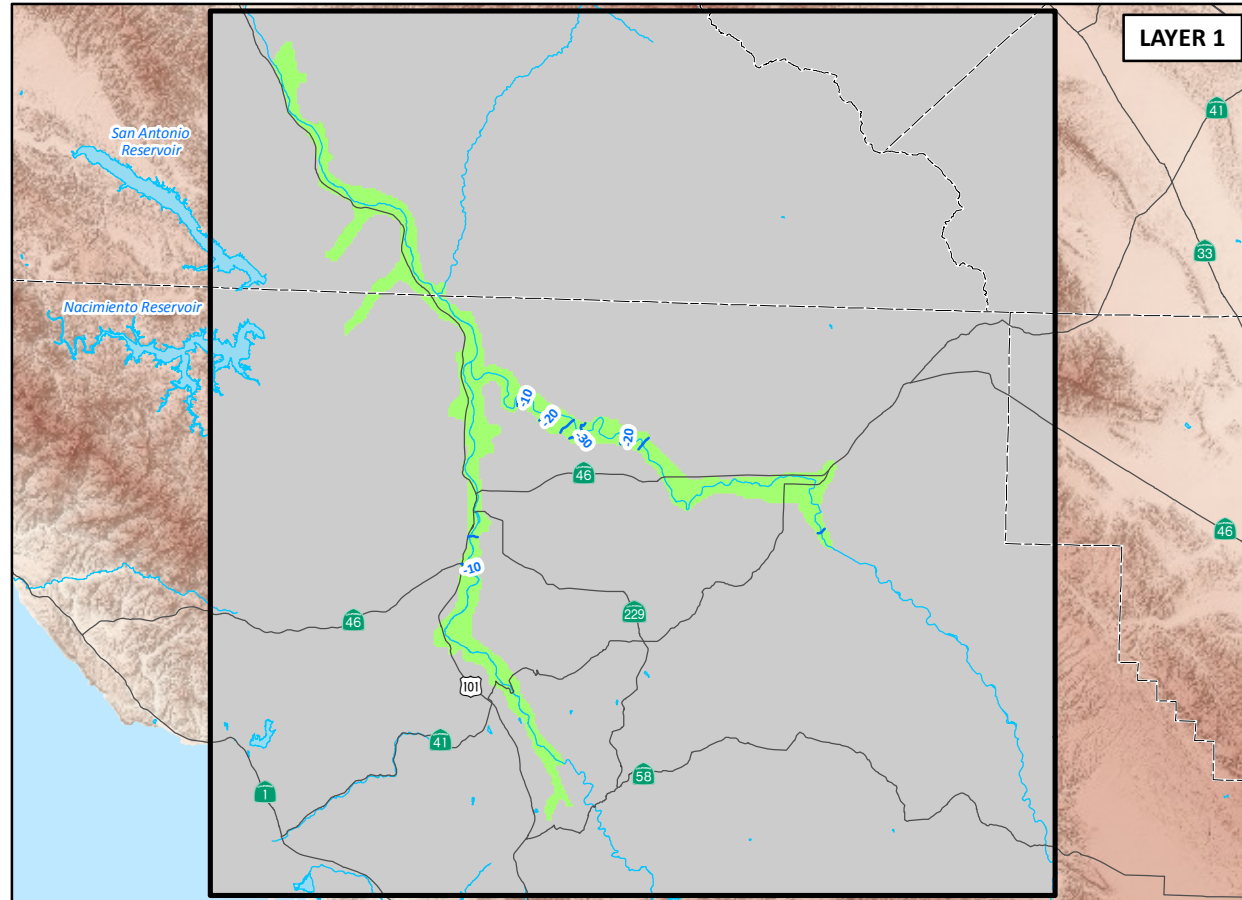
County Boundary



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Figure 112



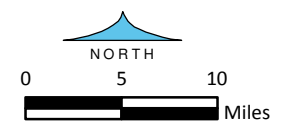
MODEL-GENERATED DIFFERENCES IN GROUNDWATER ELEVATIONS BETWEEN MODEL RUN 1 AND MODEL RUN 2 END OF PREDICTIVE PERIOD (SEPTEMBER 2040)

EXPLANATION

-  10 Model-Generated Differences in Groundwater Elevations (ft)
-  Paso Robles Groundwater Basin Model Domain
-  Paso Robles Groundwater Basin Model Active Area
-  Paso Robles Groundwater Basin Model Inactive Area

(Source: Fugro, ETIC Engineers and Cleath, 2005)

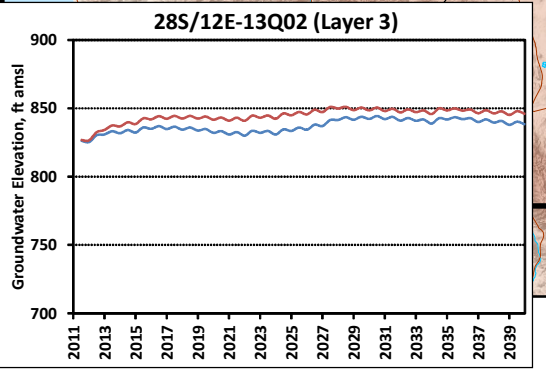
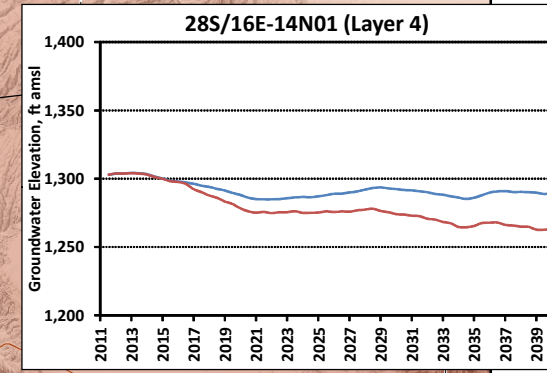
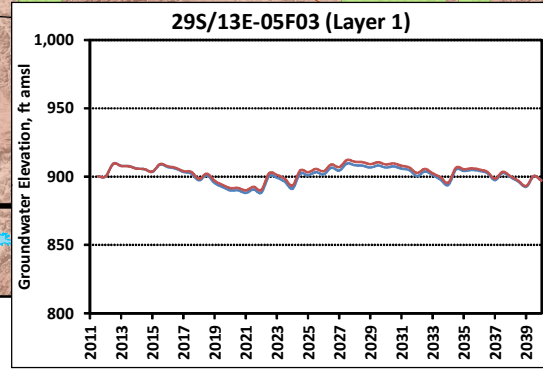
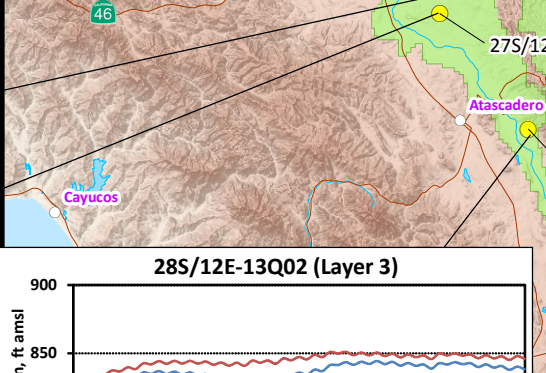
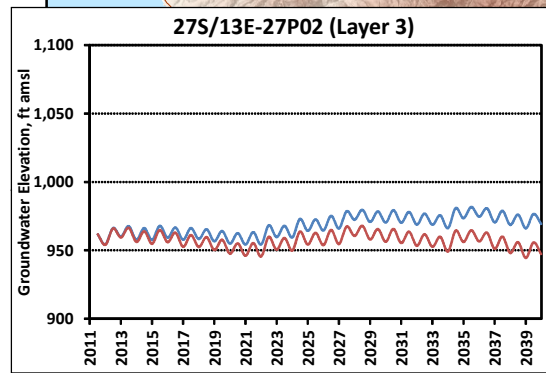
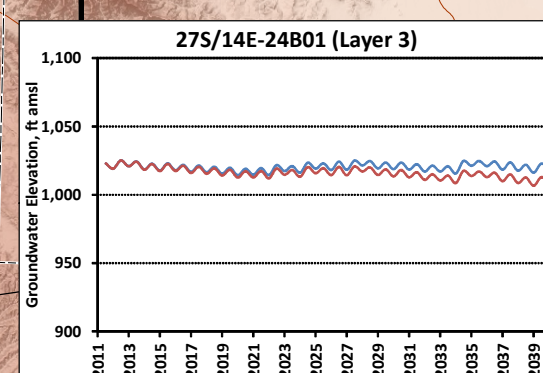
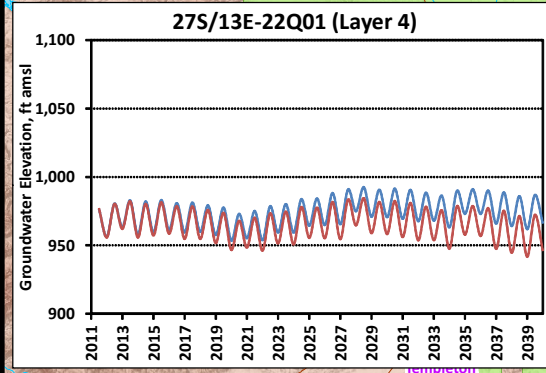
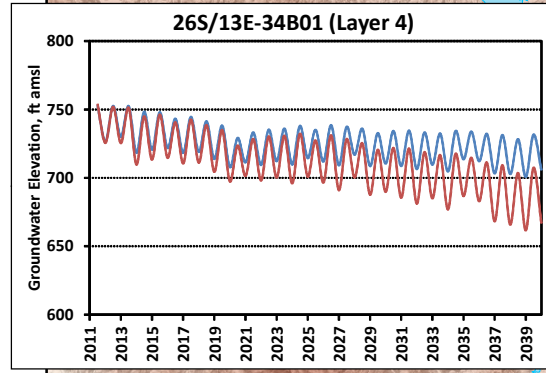
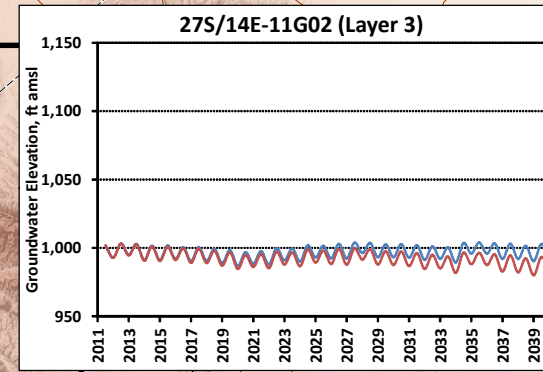
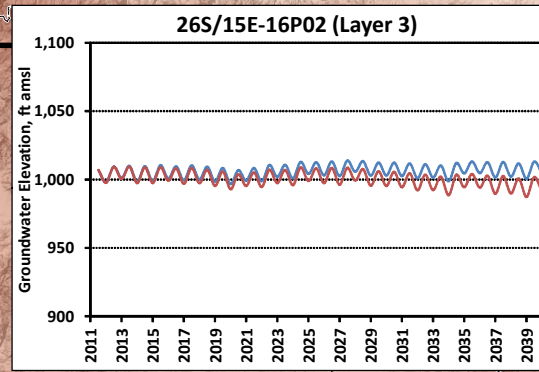
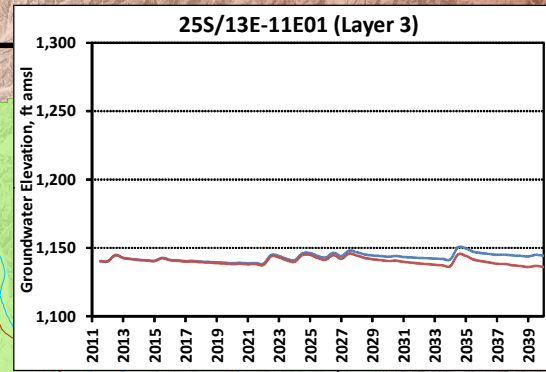
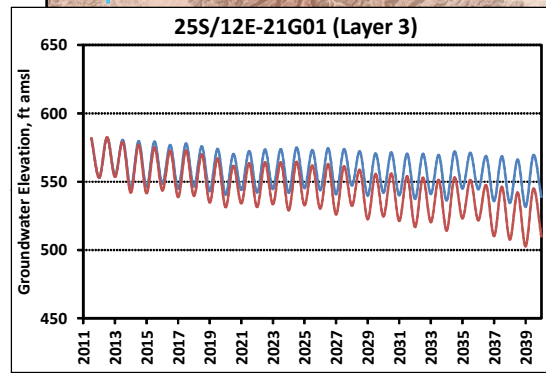
----- County Boundary



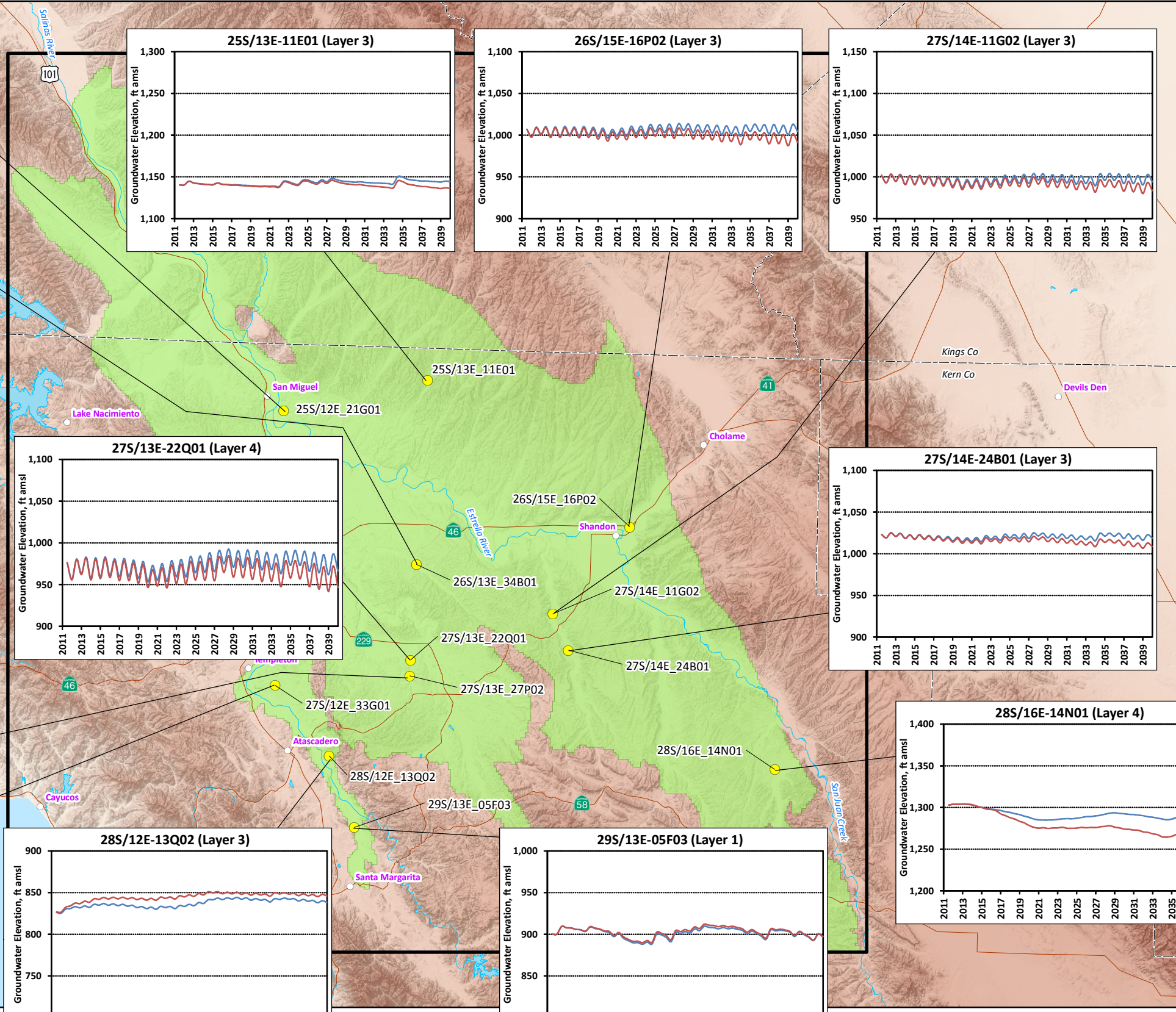
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**SELECTED HYDROGRAPHS
UNDER MODEL RUN 1 AND
MODEL RUN 2 CONDITIONS
(WATER YEARS 2012 TO 2040)**



- EXPLANATION**
- Model Run 1
 - Model Run 2
 - Well Location
 - Paso Robles Groundwater Basin Model Domain
 - Paso Robles Groundwater Basin Model Active Area
 - (Source: Fugro, ETIC Engineers and Cleath, 2005)
 - County Boundary



19-Dec-14

Prepared by: DWB. Map Projection: State Plane 1983, Zone V.

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Figure 114

**Total Annual Inflow for Paso Robles Groundwater Basin
 Model Run 1 (Water Years 2012-2040)**

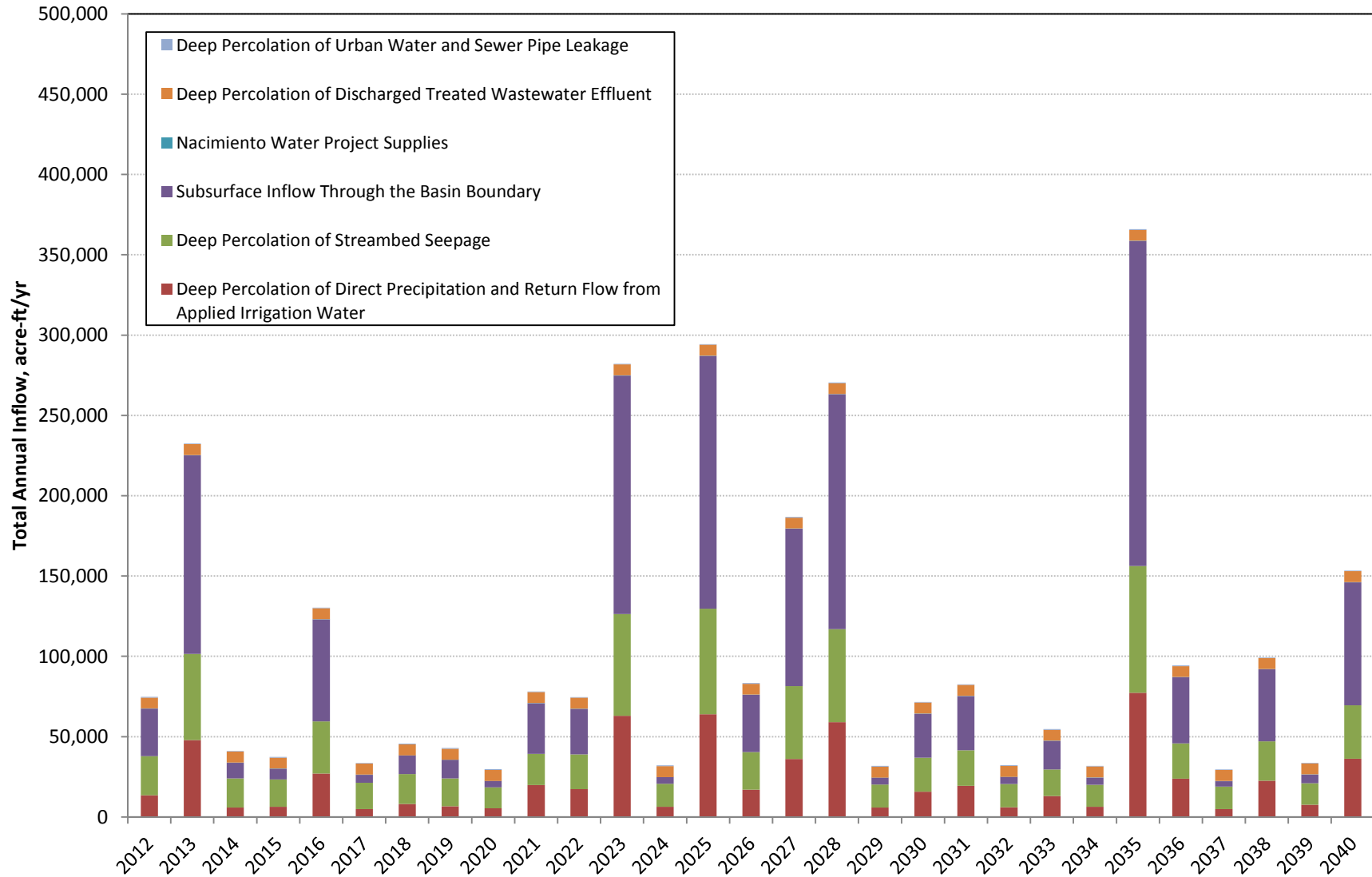


Figure 115

**Total Annual Inflow for Paso Robles Groundwater Basin
 Model Run 2 (Water Years 2012-2040)**

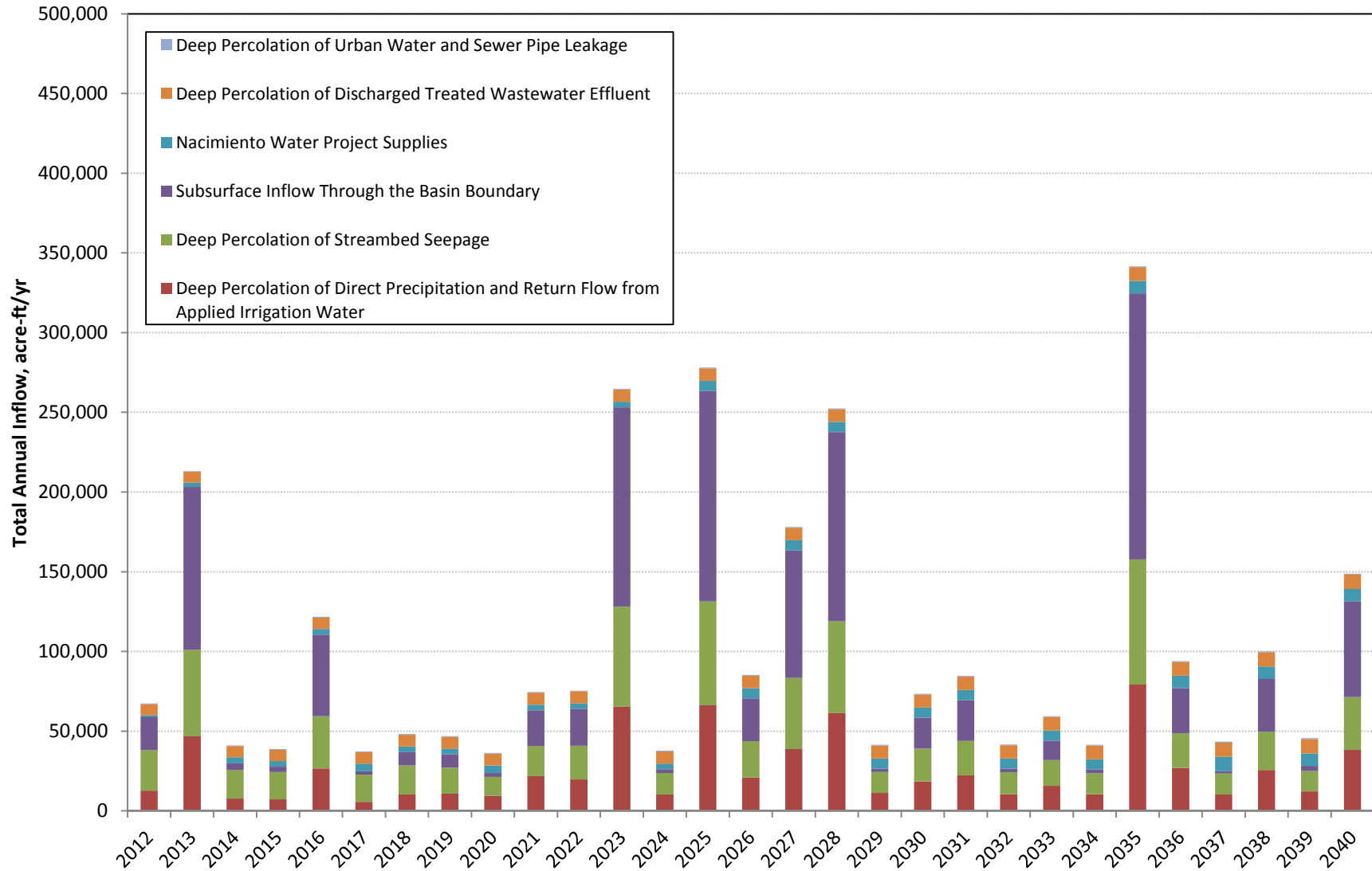


Figure 116

**Total Annual Outflow for Paso Robles Groundwater Basin
 Model Run 1 (Water Years 2012-2040)**

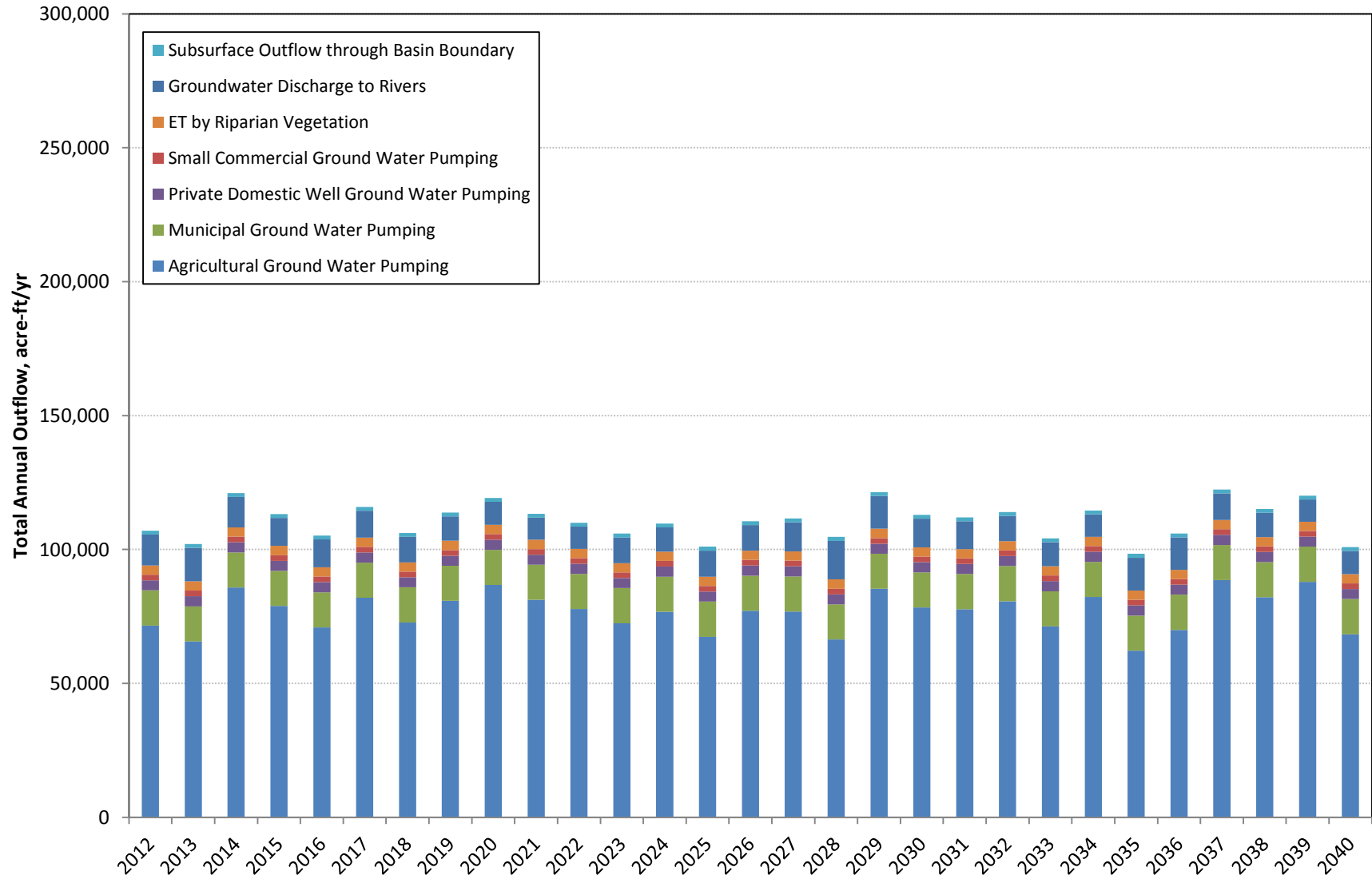


Figure 117

**Total Annual Outflow for Paso Robles Groundwater Basin
 Model Run 2 (Water Years 2012-2040)**

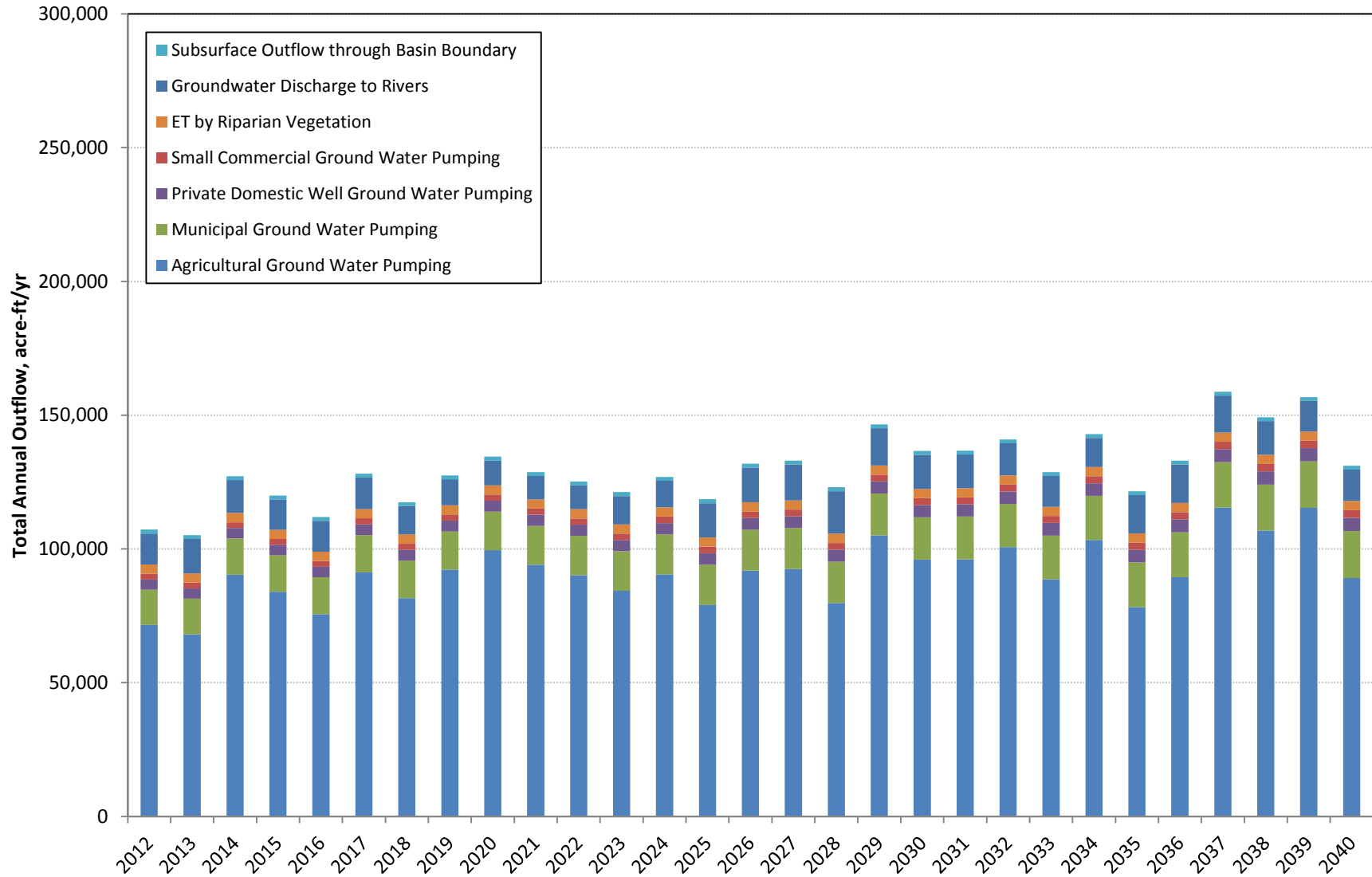


Figure 118

Annual and Cumulative Change in Storage for Paso Robles Groundwater Basin Model Run 1 (Water Years 2012-2040)

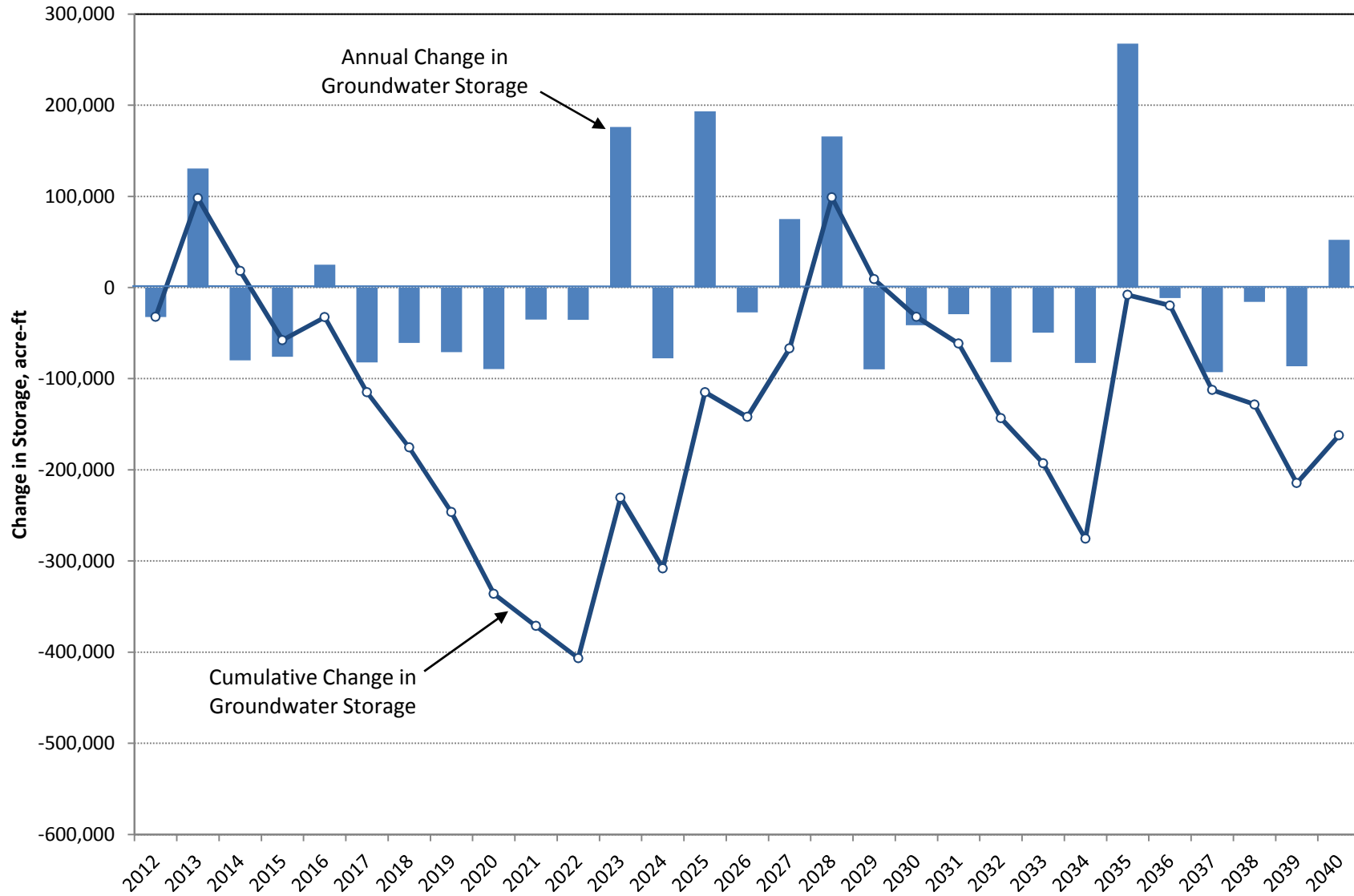


Figure 119

Annual and Cumulative Change in Storage for Paso Robles Groundwater Basin Model Run 2 (Water Years 2012-2040)

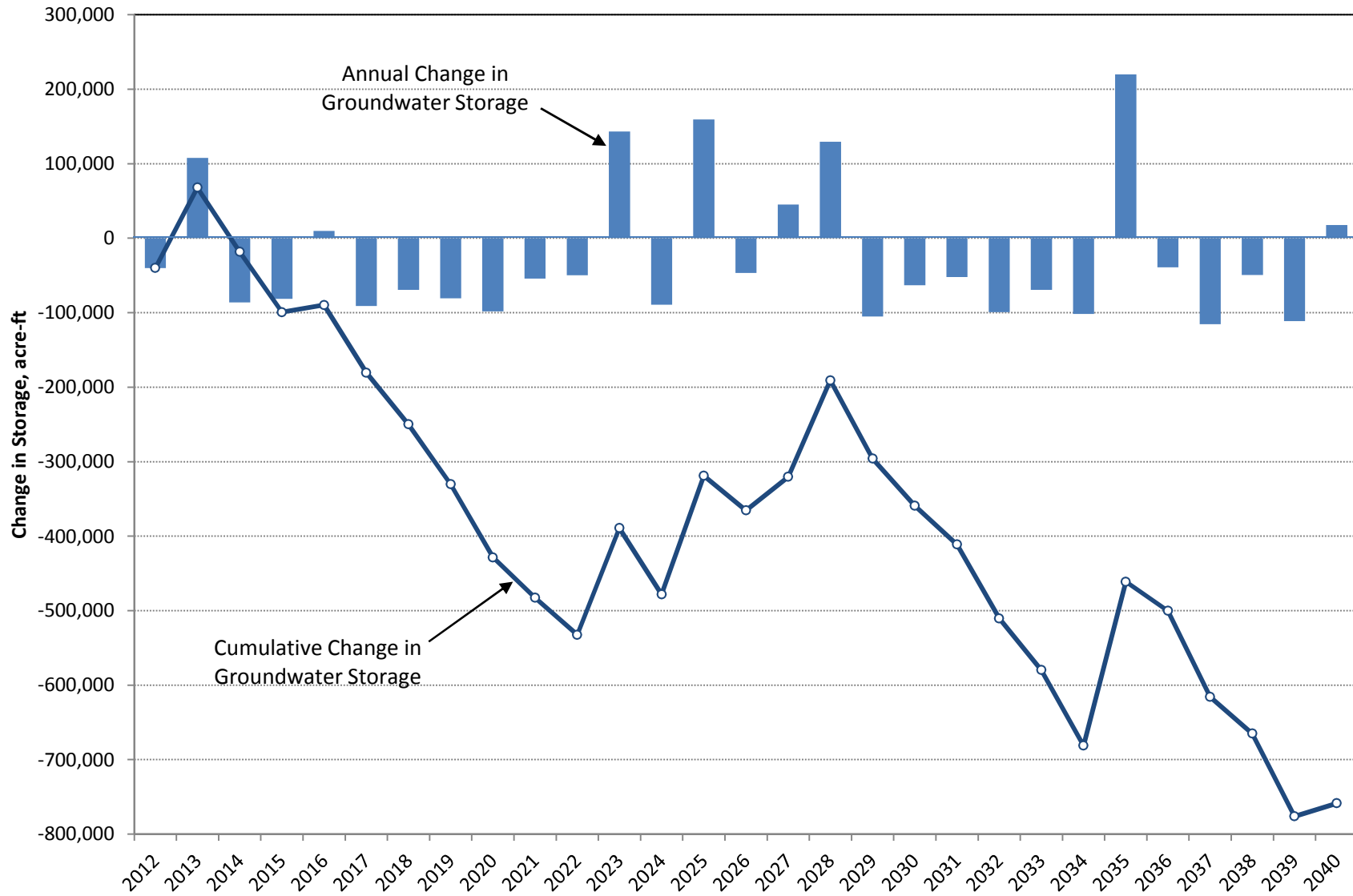


Figure 120