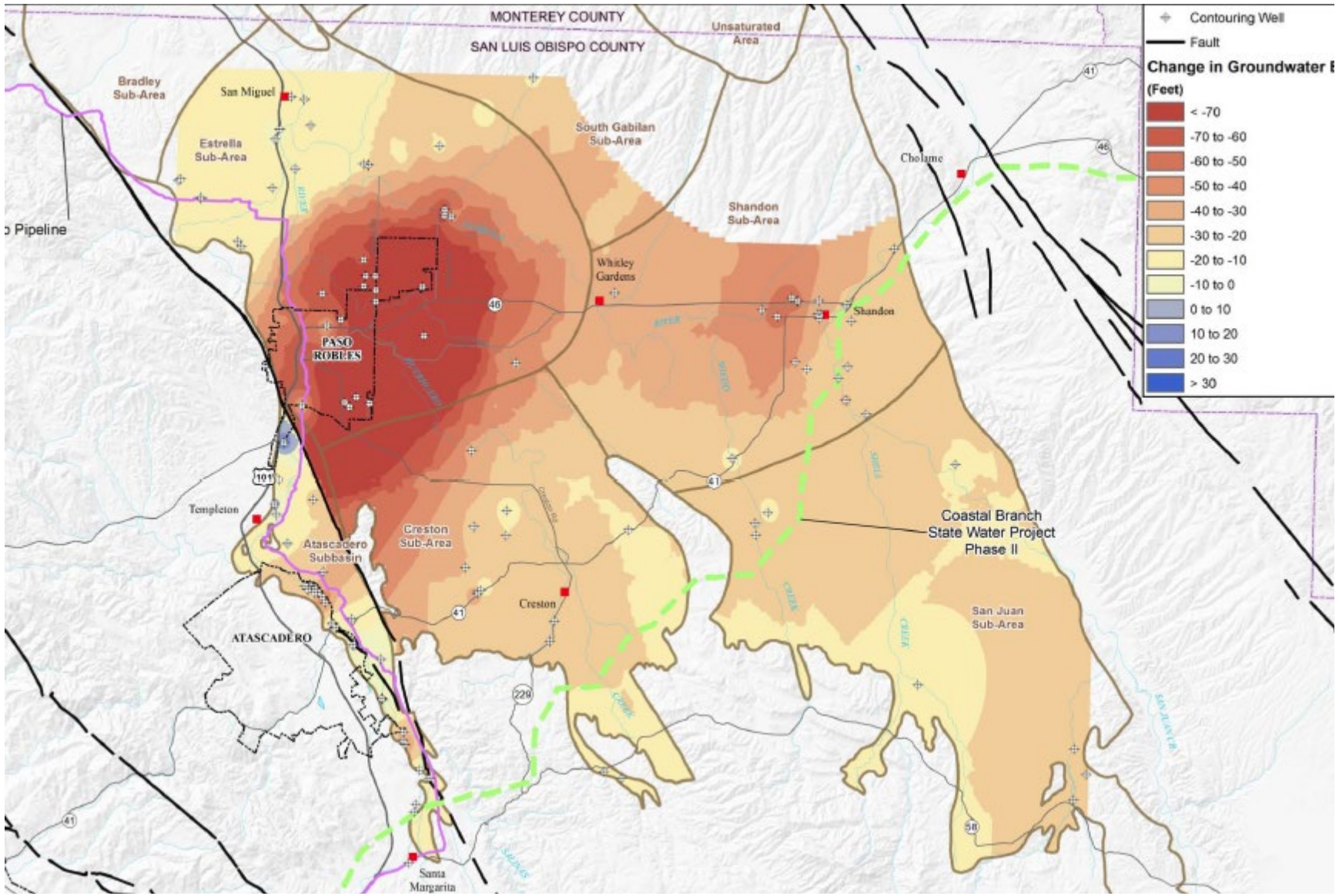
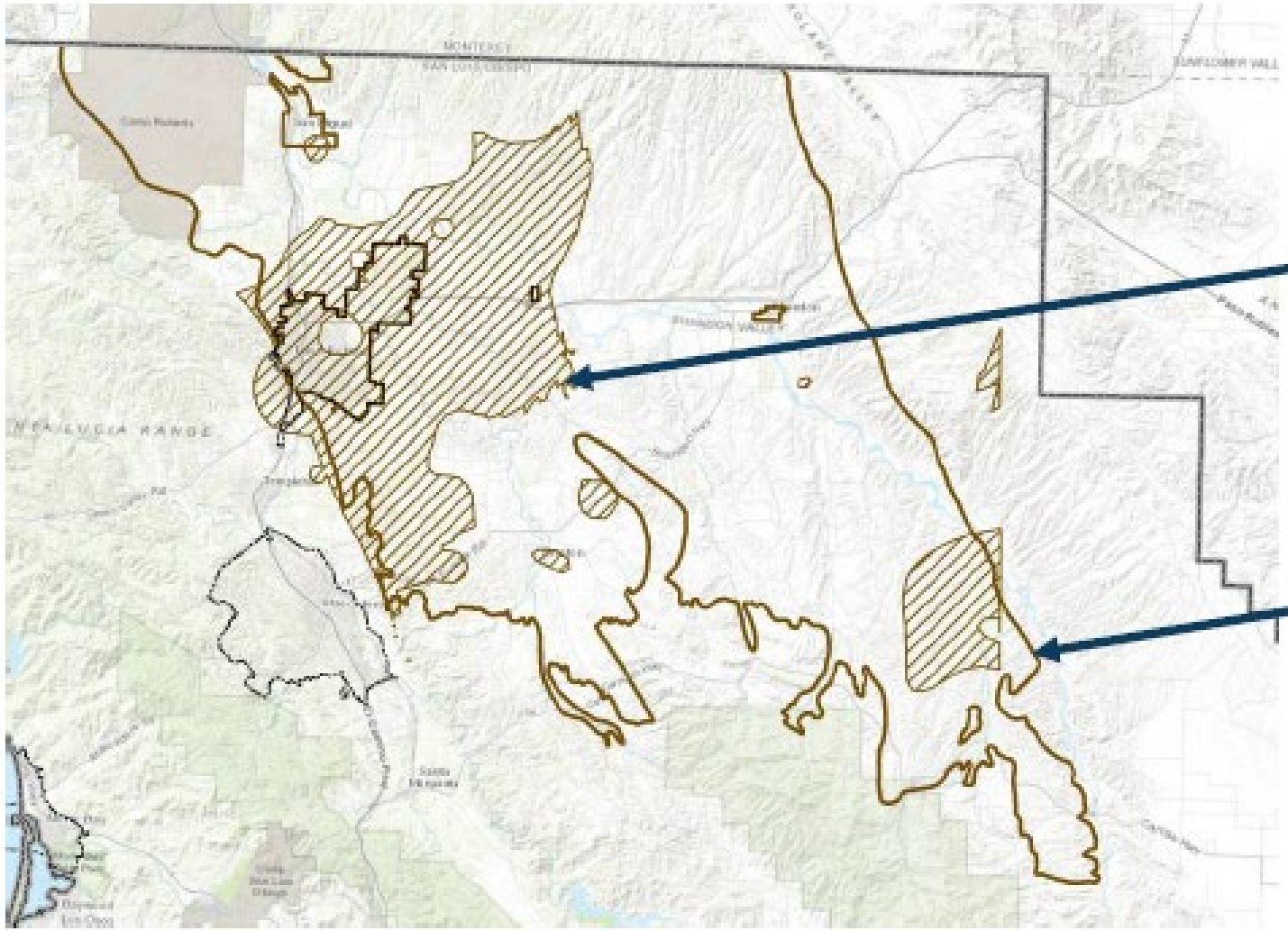
Change in Groundwater Elevation Maps are based on two measurements per year

A computer model interpolates and creates the contours from the existing readings. The Engineer/Computer expert may choose to adjust some lines based on their understanding of conditions or because the “do not look right”.

1997-2009

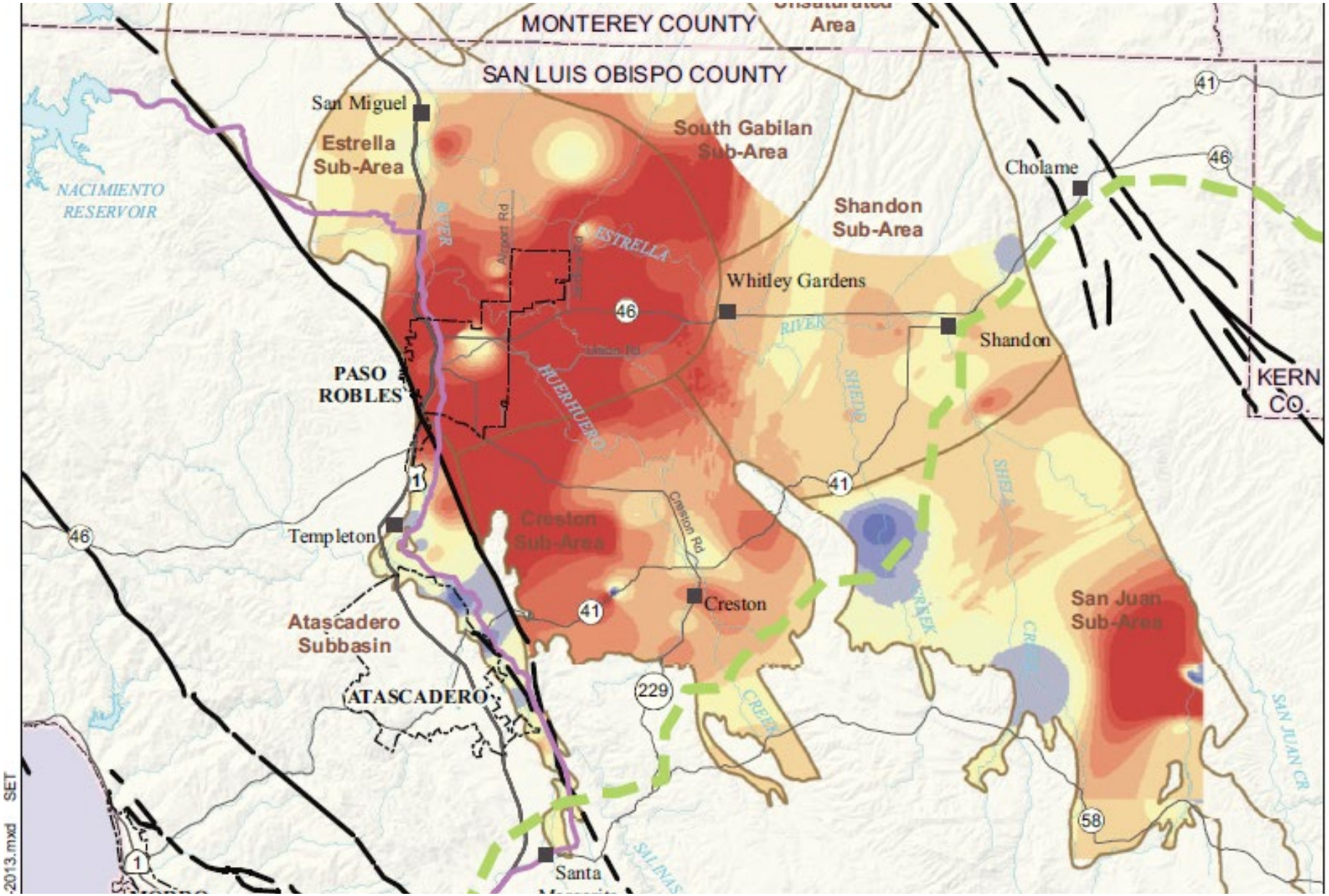

MONTEREY COUNTY
SAN LUIS OBISPO COUNTY
Unsaturated Area
Bradley Sub-Area
San Miguel
Estrella Sub-Area
South Gabilan Sub-Area
Cholame
Shandon Sub-Area
Whitley Gardens
Shandon
PASO ROBLES
Templeton
Creston Sub-Area
Atascadero Subbasin
Creston
ATASCADERO
Coastal Branch State Water Project Phase II
San Juan Sub-Area
Santa Margarita
Contouring Well
Fault
Change in Groundwater E
(Feet)
< -70
-70 to -60
-60 to -50
-50 to -40
-40 to -30
-30 to -20
-20 to -10
-10 to 0
0 to 10
10 to 20
20 to 30
> 30

Area of Severe Decline - Current

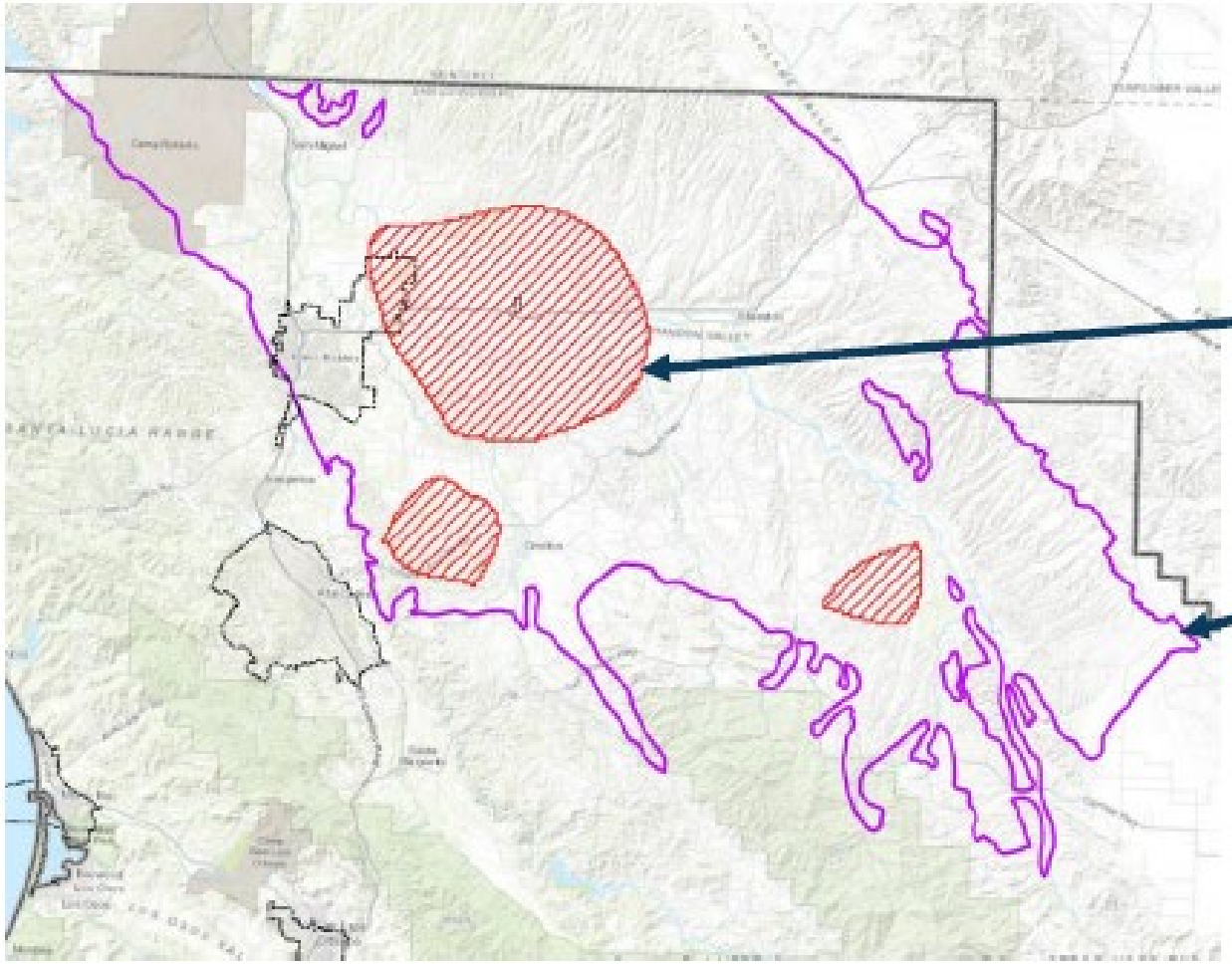


-50’ contour of groundwater elevation change, Spring 1997-Spring 2013 data

1997-2013


MONTEREY COUNTY
SAN LUIS OBISPO COUNTY
San Miguel
Estrella Sub-Area
South Gabilan Sub-Area
Shandon Sub-Area
Cholame
NACIMIENTO RESERVOIR
ESTRELLA
Whitley Gardens
Shandon
PASO ROBLES
HUERHUERO
KERN CO.
Templeton
Creston Sub-Area
Creston
San Juan Sub-Area
Atascadero Subbasin
ATASCADERO
Santa
46
41
1
229
58

Area of Severe Decline - New



New Area of Severe Decline

New Paso Basin Boundary

-50’ contour of groundwater elevation change, Spring 1997-Spring 2017 data

From GSP 1997-2017

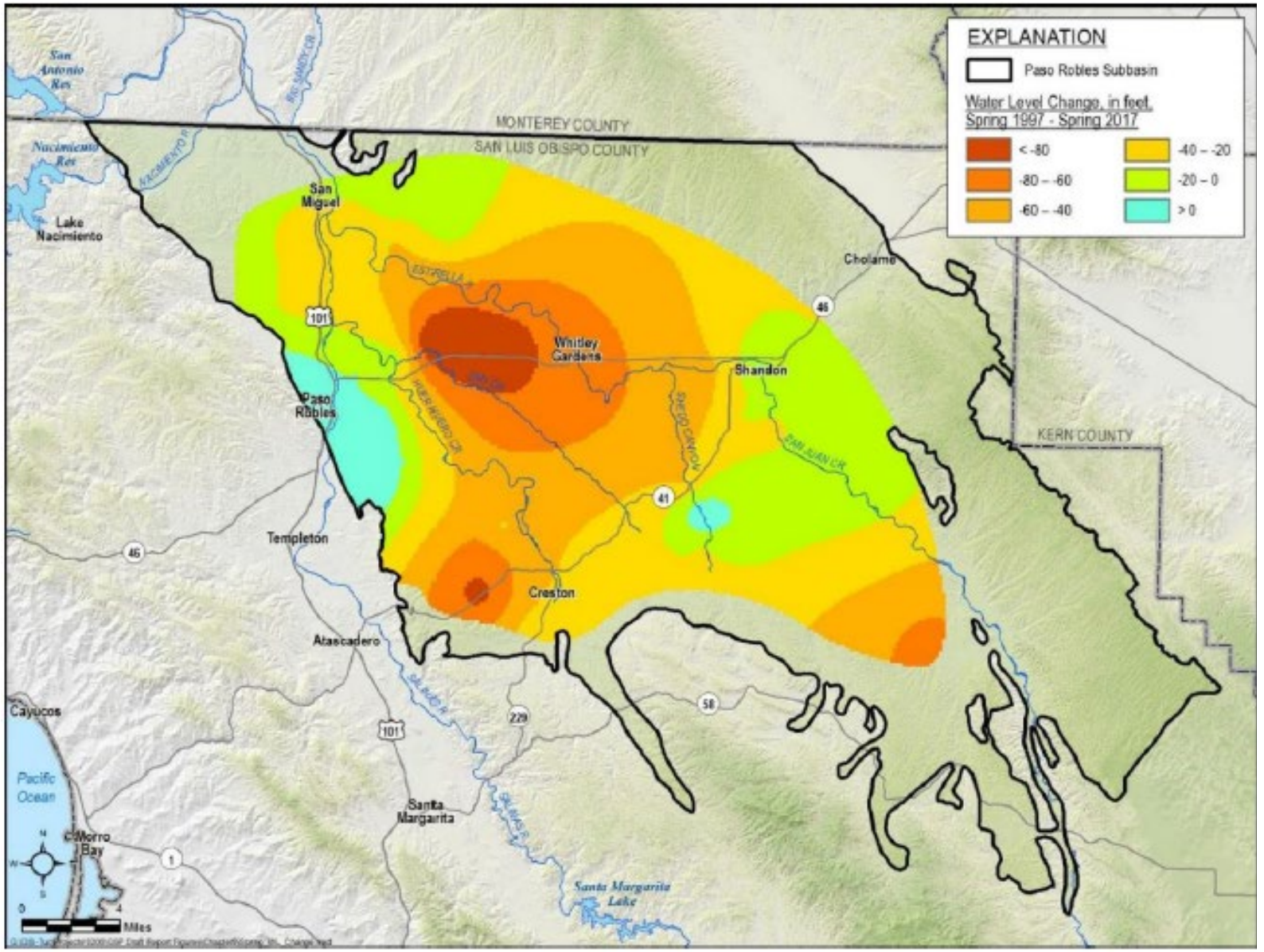
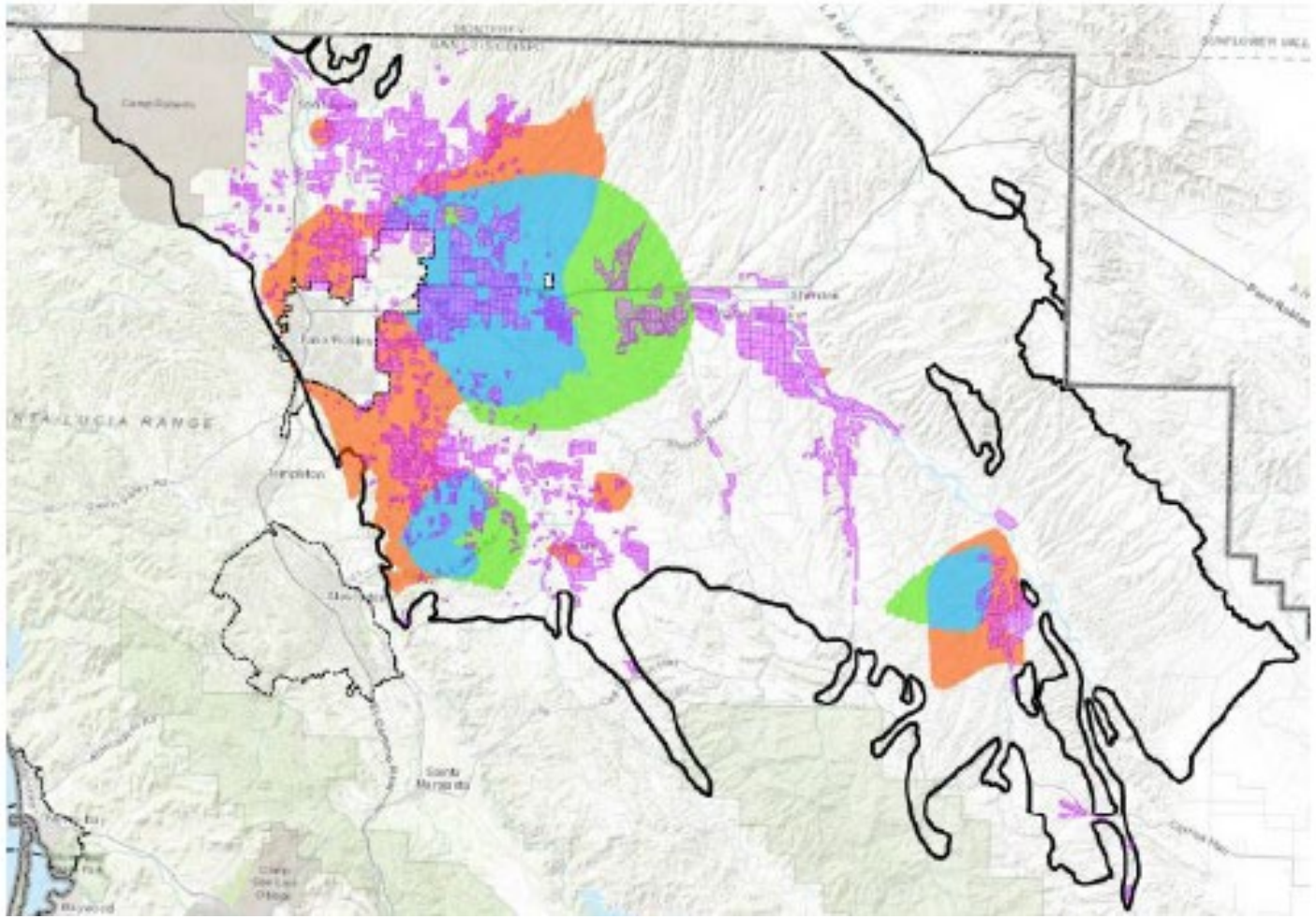
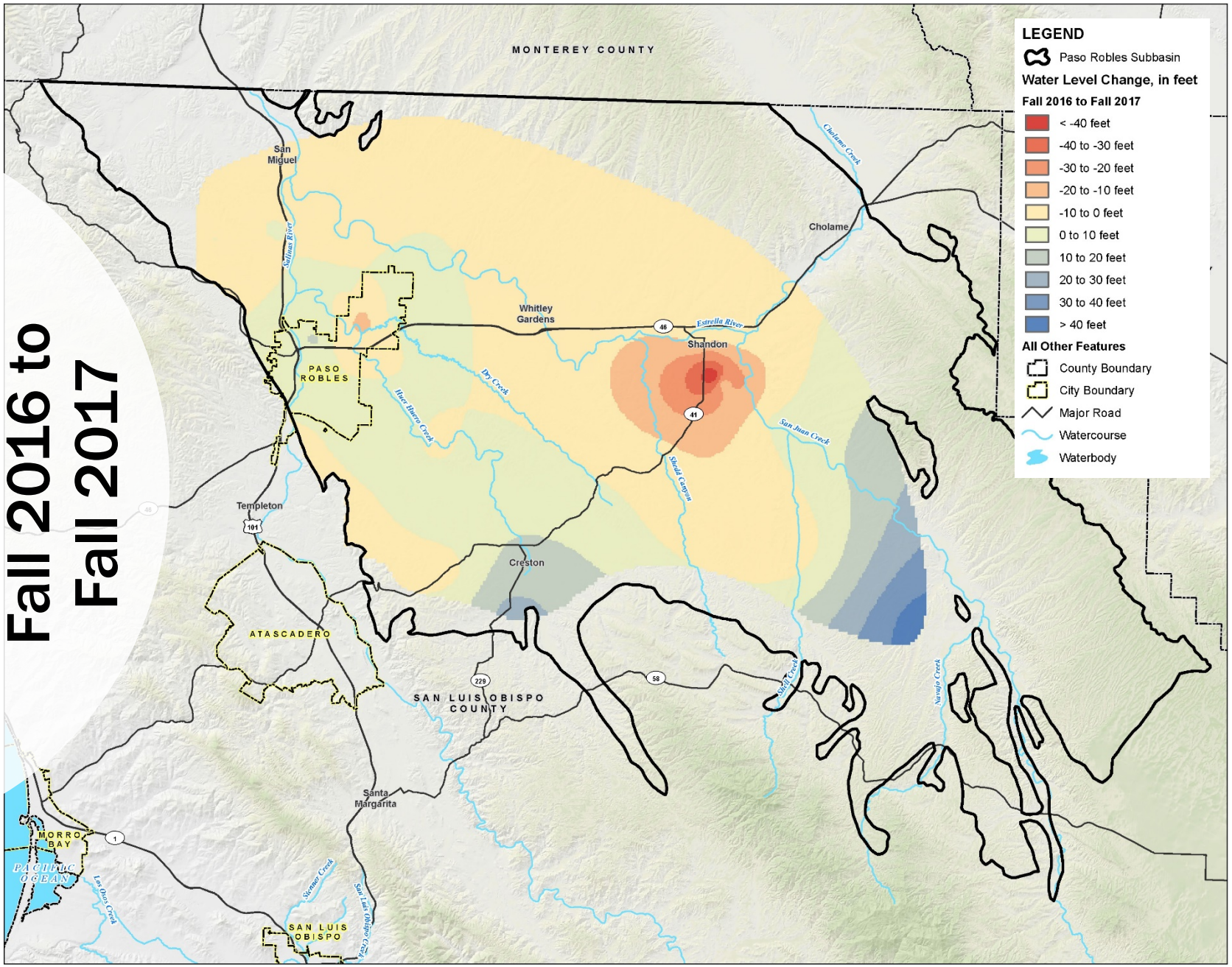


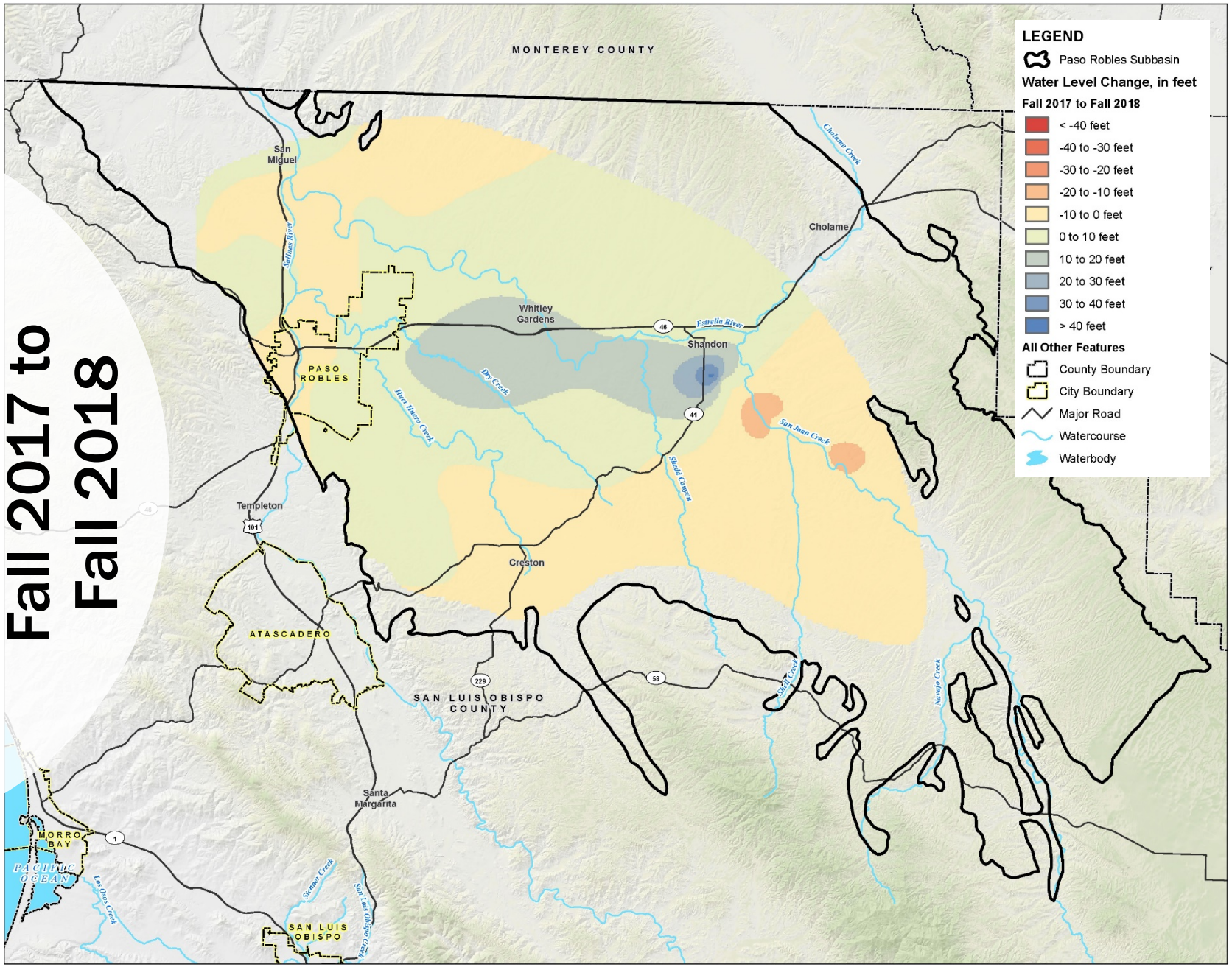
Figure 5-7. Paso Robles Formation Aquifer Change in Groundwater Elevation – Spring 1997 to Spring 2017

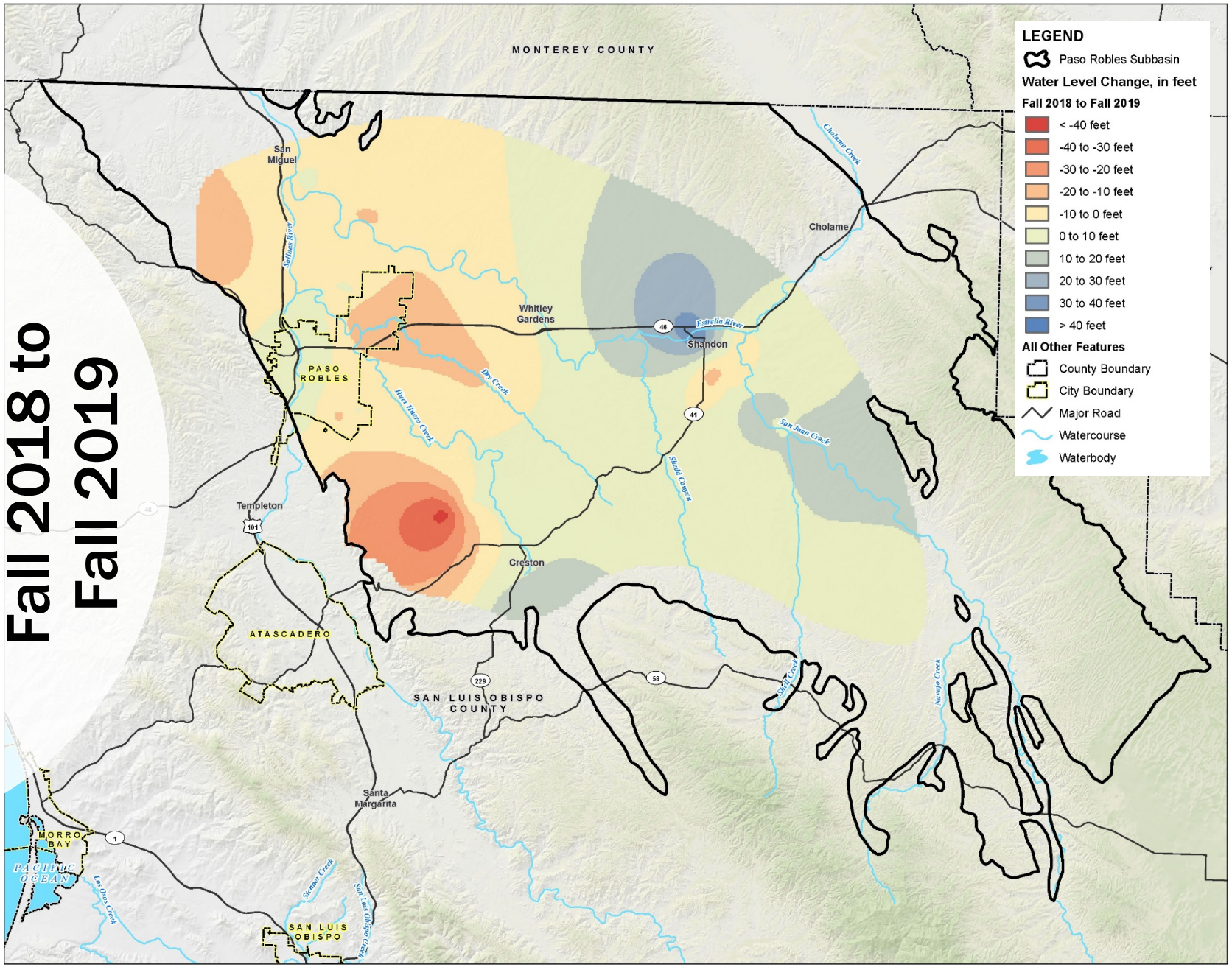
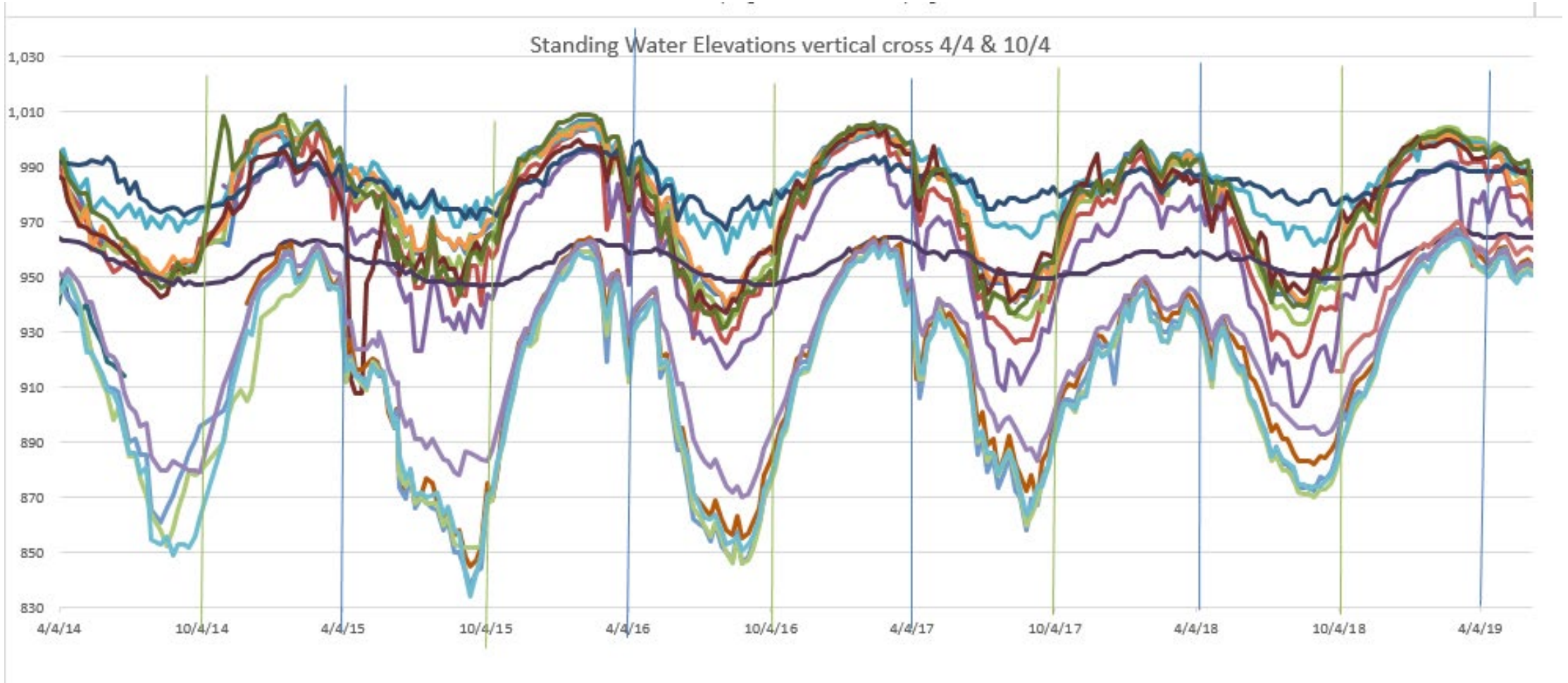
Area of Severe Decline - Change



- Green = added
- Orange = removed
- Blue = unaffected
- Purple = irrigated crops


Fall 2016 to Fall 2017
LEGEND
Paso Robles Subbasin
Water Level Change, in feet
Fall 2016 to Fall 2017
< -40 feet
-40 to -30 feet
-30 to -20 feet
-20 to -10 feet
-10 to 0 feet
0 to 10 feet
10 to 20 feet
20 to 30 feet
30 to 40 feet
> 40 feet
All Other Features
County Boundary
City Boundary
Major Road
Watercourse
Waterbody
MONTEREY COUNTY
San Miguel
Cholame
Whitley Gardens
Shandon
PASO ROBLES
Templeton
Creston
ATASCADERO
SAN LUIS OBISPO COUNTY
Santa Margarita
MORRO BAY
PACIFIC OCEAN
SAN LUIS OBISPO
Cholame Creek
Salinas River
Estrella River
Dry Creek
Huer Huero Creek
San Juan Creek
Shedd Canyon
Salinas River
Summer Creek
San Luis Obispo Creek
Los Osos Creek
Nacimiento River
46
41
101
1
229
58


Fall 2017 to Fall 2018
MONTEREY COUNTY
San Miguel
Salinas River
Cholame Creek
Cholame
Whitley Gardens
Estrella River
46
Shandon
PASO ROBLES
Dry Creek
Huer Huero Creek
41
San Juan Creek
Shedd Canyon
Templeton
101
Creston
ATASCADERO
229
58
SAN LUIS OBISPO COUNTY
Shell Creek
Nacimiento Creek
Santa Margarita
MORRO BAY
1
PACIFIC OCEAN
Los Osos Creek
Stenner Creek
San Luis Obispo Creek
SAN LUIS OBISPO
LEGEND
Paso Robles Subbasin
Water Level Change, in feet
Fall 2017 to Fall 2018
< -40 feet
-40 to -30 feet
-30 to -20 feet
-20 to -10 feet
-10 to 0 feet
0 to 10 feet
10 to 20 feet
20 to 30 feet
30 to 40 feet
> 40 feet
All Other Features
County Boundary
City Boundary
Major Road
Watercourse
Waterbody


Fall 2018 to Fall 2019
MONTEREY COUNTY
San Miguel
Salinas River
Cholame Creek
Cholame
Whitley Gardens
Estrella River
Shandon
PASO ROBLES
Huer Huero Creek
Dry Creek
San Juan Creek
Shedd Canyon
Templeton
Creston
ATASCADERO
SAN LUIS OBISPO COUNTY
Santa Margarita
MORRO BAY
PACIFIC OCEAN
Los Osos Creek
Stenner Creek
SAN LUIS OBISPO
LEGEND
Paso Robles Subbasin
Water Level Change, in feet
Fall 2018 to Fall 2019
< -40 feet
-40 to -30 feet
-30 to -20 feet
-20 to -10 feet
-10 to 0 feet
0 to 10 feet
10 to 20 feet
20 to 30 feet
30 to 40 feet
> 40 feet
All Other Features
County Boundary
City Boundary
Major Road
Watercourse
Waterbody

Only two measurements per year
April & October - create suspect data