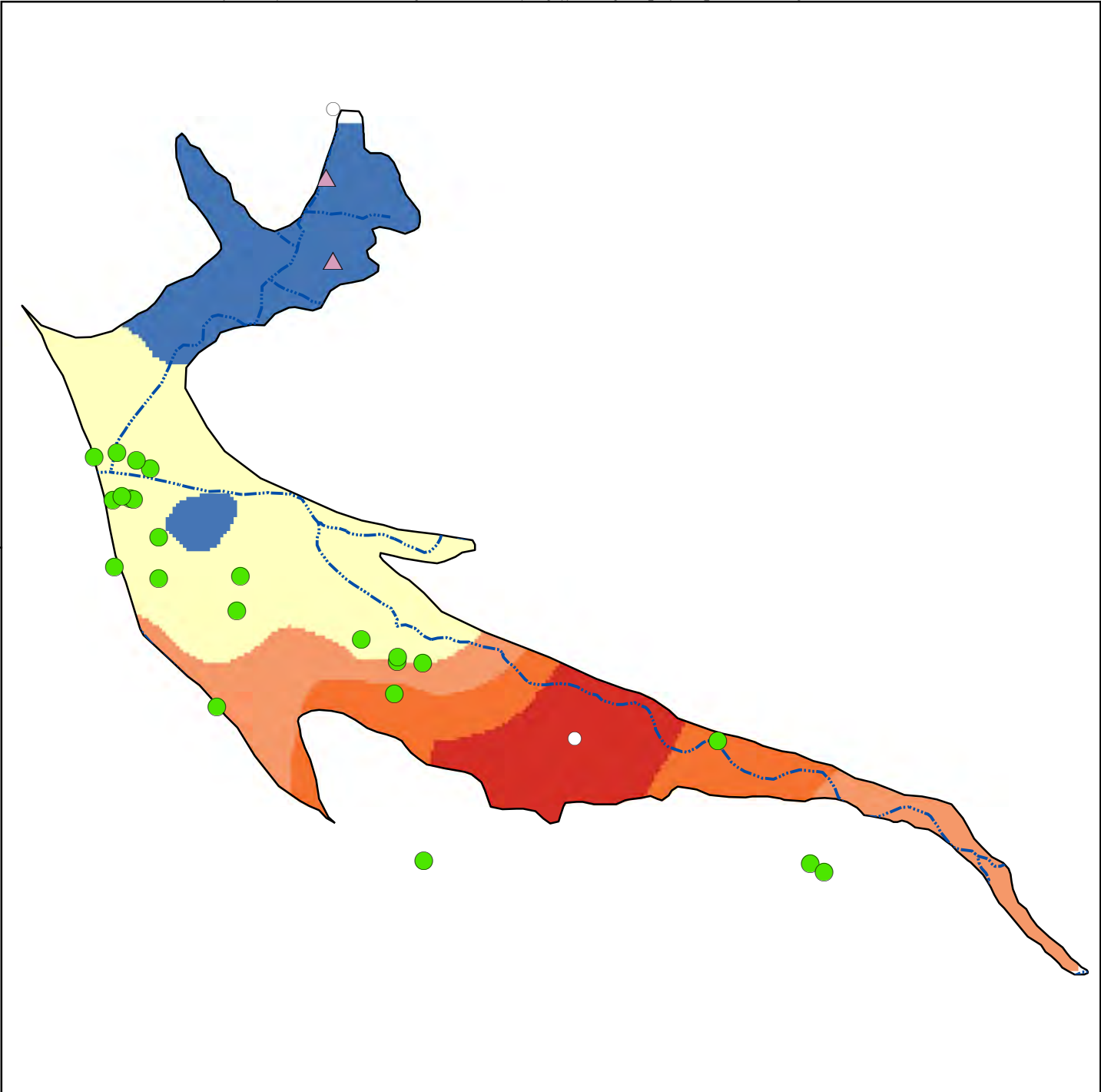


Appendix B

Characterization of Historical and Ongoing Groundwater Monitoring Networks Relative to the Spatial Distribution of Ambient TDS Concentrations and Groundwater Storage

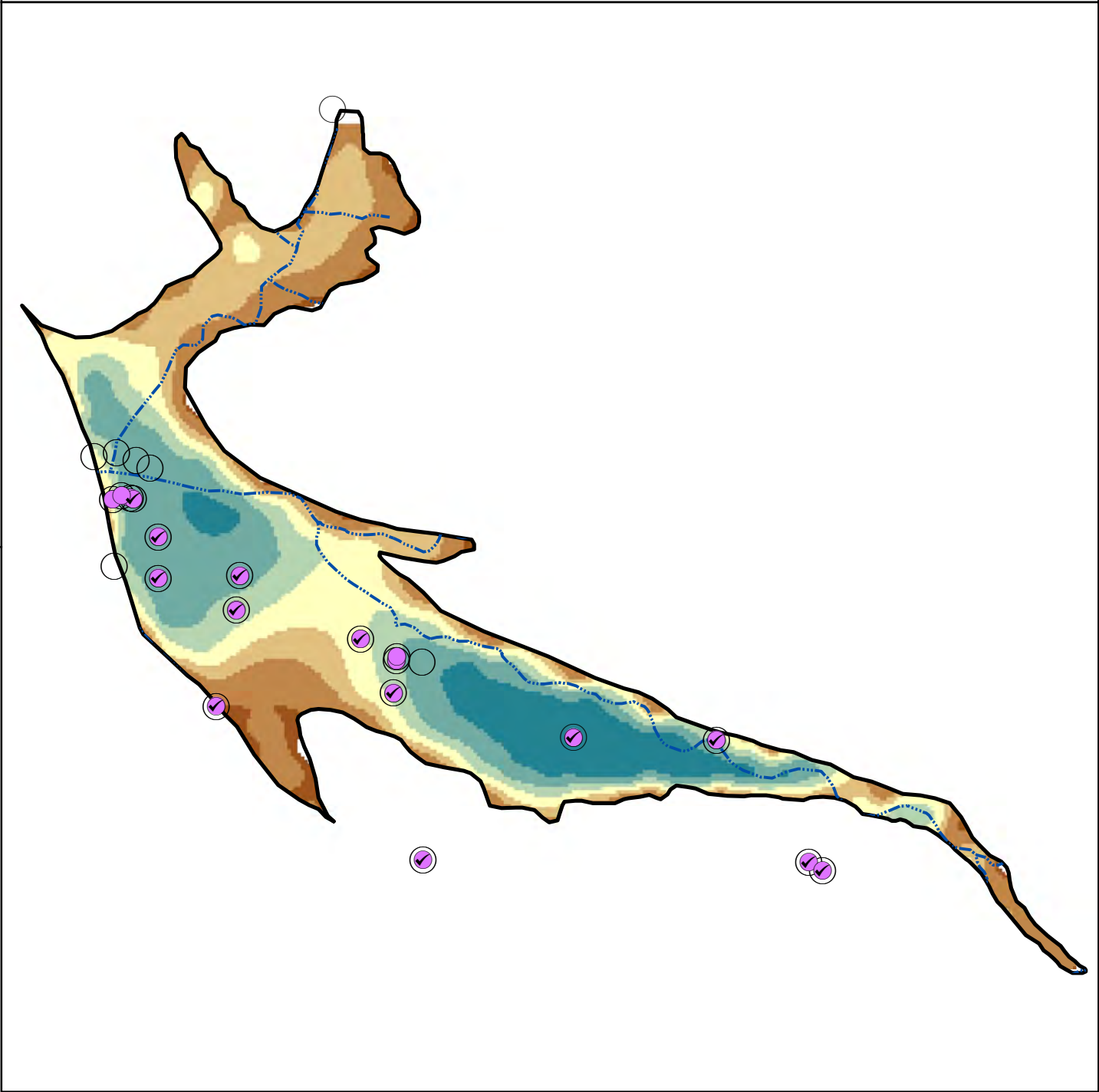
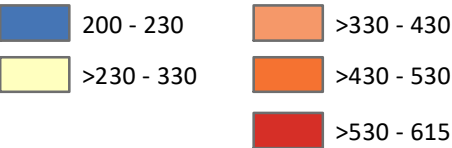
B1. Canyon Groundwater Management Zone



Location of Wells with Point Statistics
in the 2018 Ambient Water Quality
Computation

- With both TDS and nitrate statistics
- With either TDS or nitrate statistic
- ▲ With insufficient data to calculate statistic

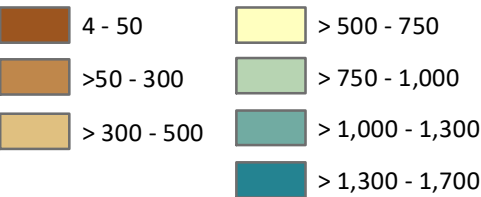
2018 Ambient TDS (mg/l)
(TDS Objective is 230 mg/l)



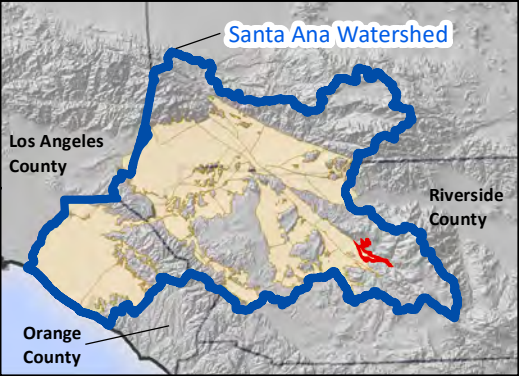
Location of Wells Currently Being
Monitored in Relation to
2018 Ambient Point Statistic Locations

- ✓ Currently being monitored as of 2022
- With TDS and/or nitrate data within the last three years (2016-2018)
- With TDS and/or nitrate statistic

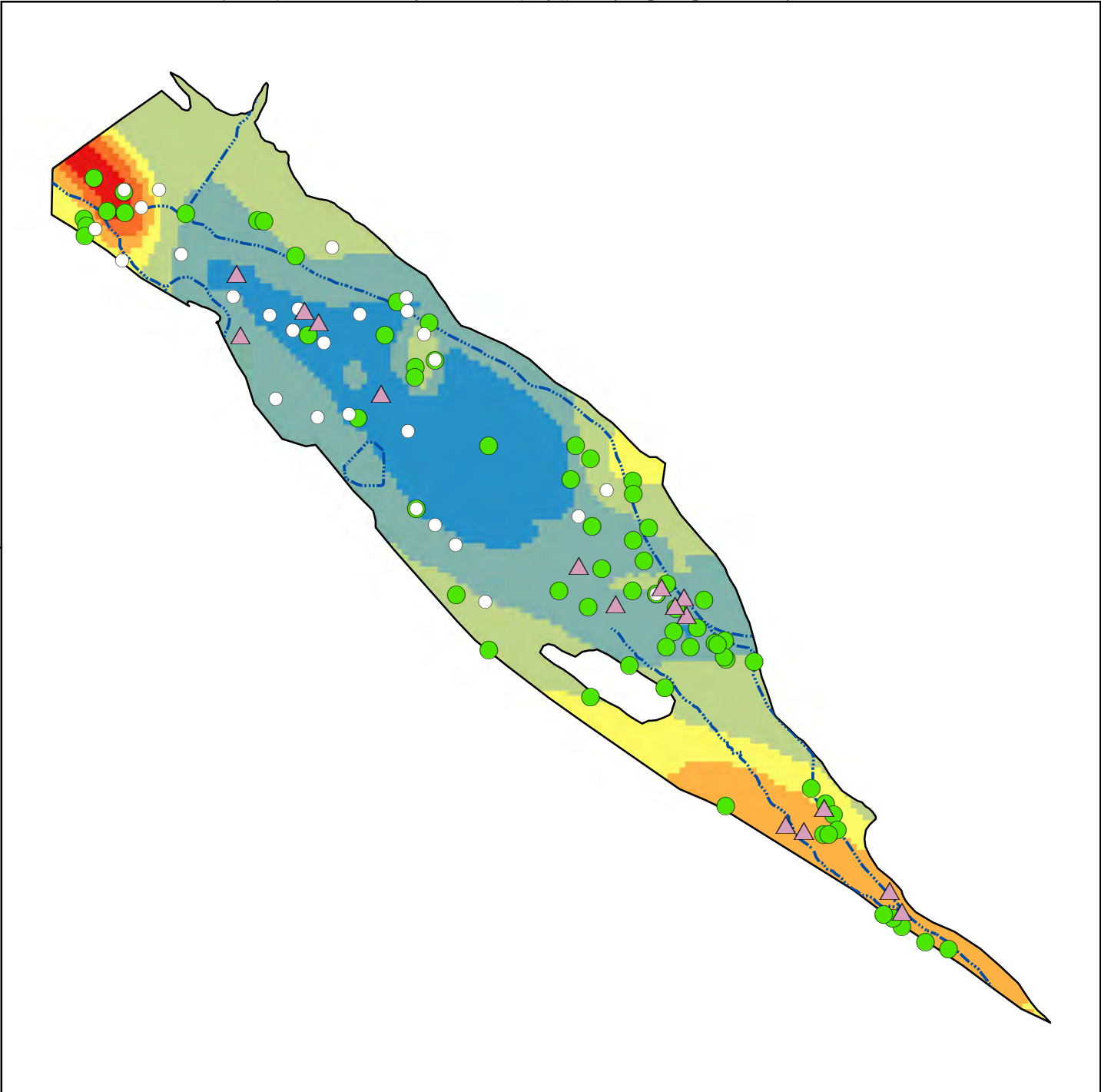
2018 Groundwater in Storage
(af per grid cell)



See Figure 1 for other features.



B2. San Jacinto – Upper Pressure Groundwater Management Zone

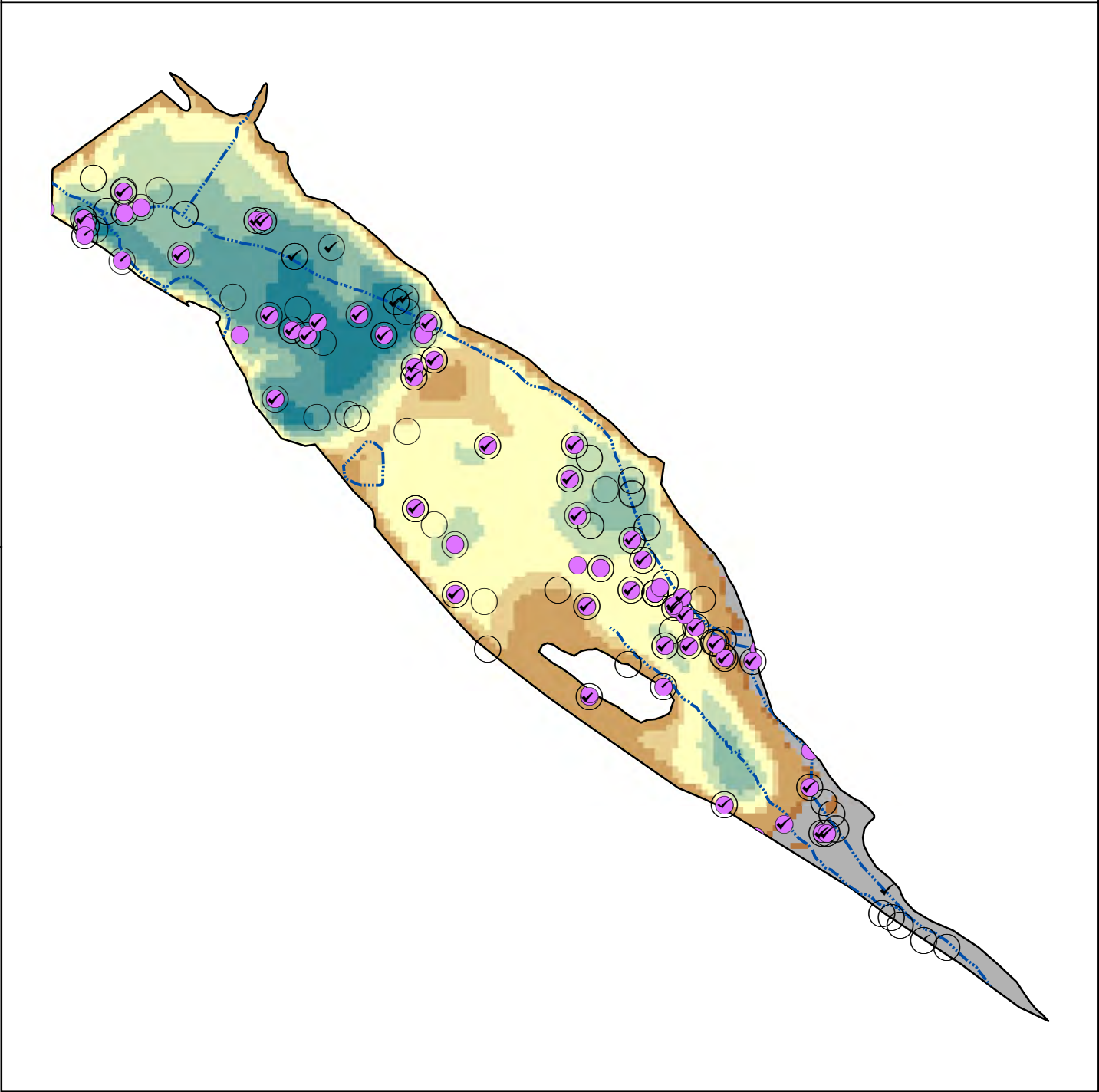


**Location of Wells with Point Statistics
in the 2018 Ambient Water Quality
Computation**

- With both TDS and nitrate statistics
- With either TDS or nitrate statistic
- ▲ With insufficient data to calculate statistic

2018 Ambient TDS (mg/l)
(TDS Objective is 500 mg/l)

200 - 250	>700 - 900
>250 - 300	>900 - 1,200
>300 - 500	>1,200 - 1,503
>500 - 700	



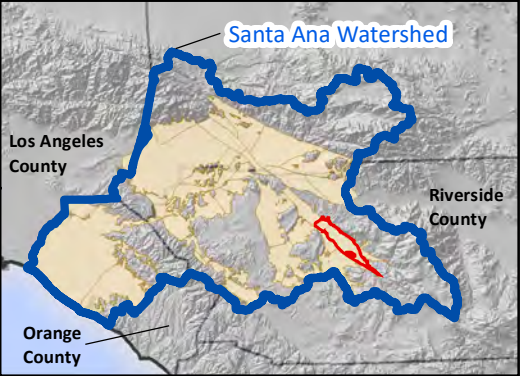
**Location of Wells Currently Being
Monitored in Relation to
2018 Ambient Point Statistic Locations**

- ✓ Currently being monitored as of 2022
- With TDS and/or nitrate statistic within the last three years (2016-2018)
- With TDS and/or nitrate statistic

**2018 Groundwater in Storage
(af per grid cell)**

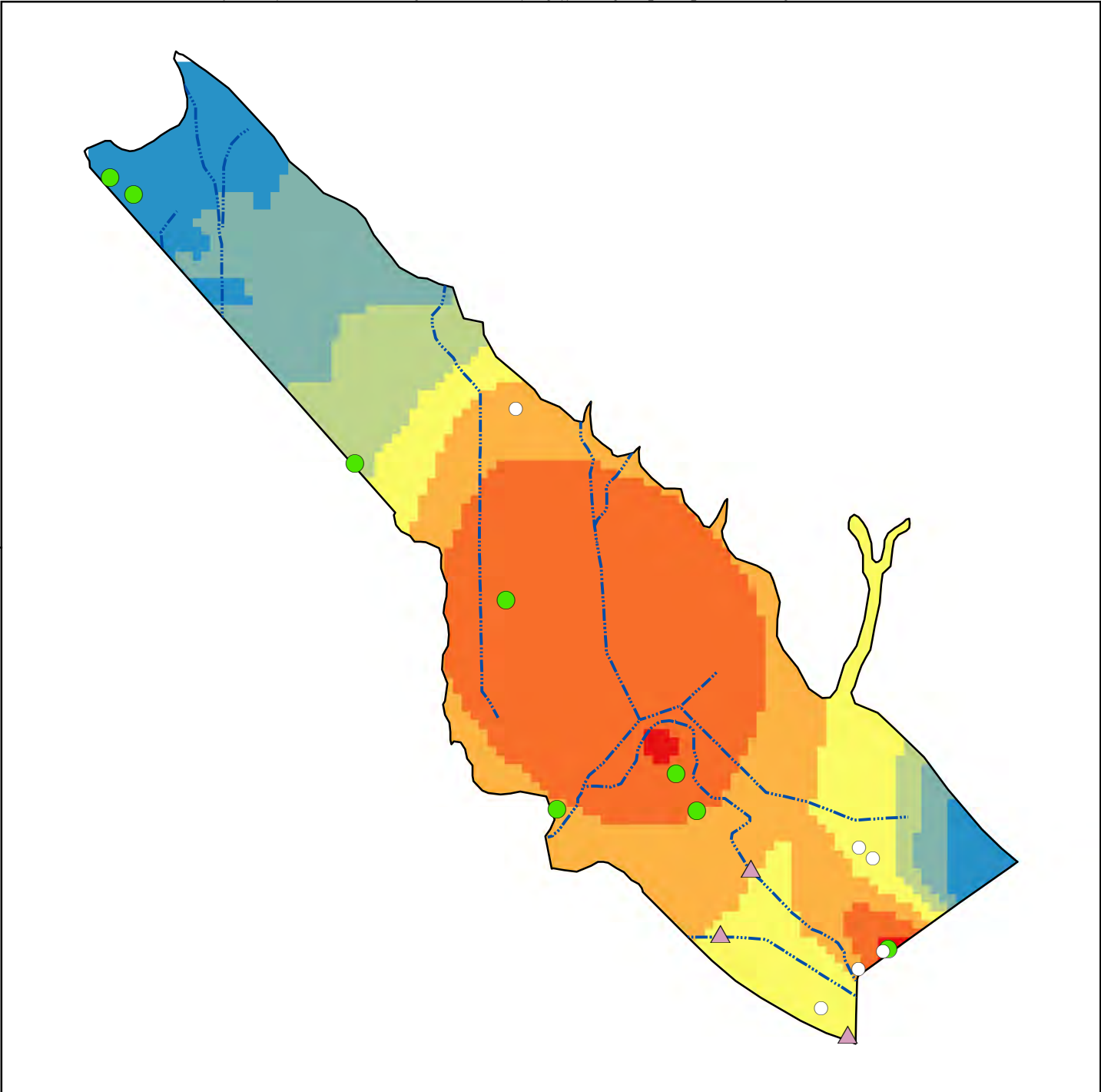
0 - 1	>2,000 - 2,500
>1 - 50	>2,500 - 3,000
>50 - 1,000	>3,000 - 3,500
>1,000 - 1,300	>3,500 - 4,230
>1,300 - 2,000	

See Figure 1 for other features.



**Characterization of Historical and
Ongoing Groundwater Monitoring for
TDS and Nitrate**
San Jacinto Upper Pressure GMZ

B3. San Jacinto – Lower Pressure Groundwater Management Zone

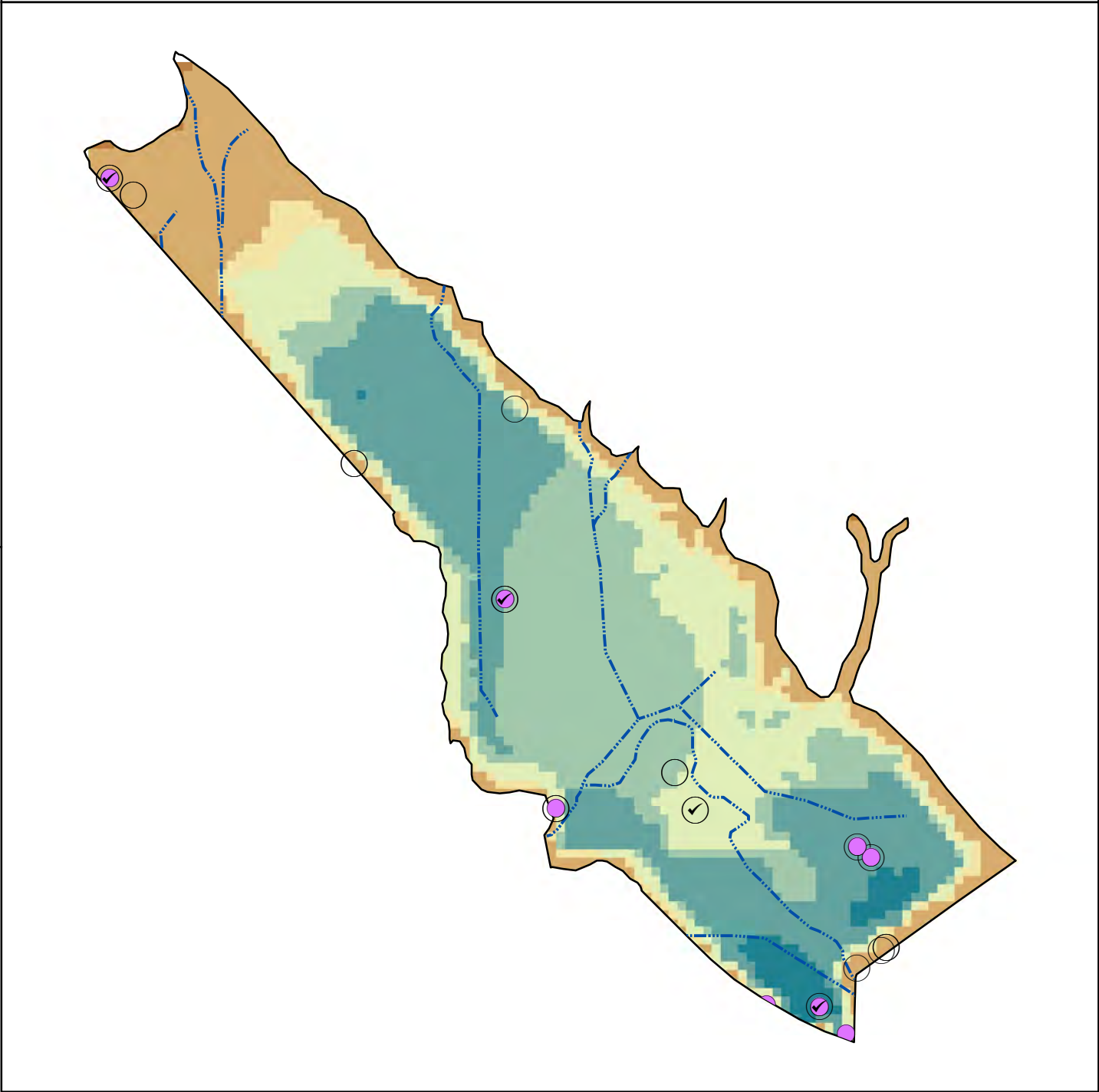


**Location of Wells with Point Statistics
in the 2018 Ambient Water Quality
Computation**

- With both TDS and nitrate statistics
- With either TDS or nitrate statistic
- ▲ With insufficient data to calculate statistic

2018 Ambient TDS (mg/l)
(TDS Objective is 520 mg/l)

370 - 400	>700 - 900
>400 - 450	>900 - 1,200
>450 - 520	>1,200 - 1,500
>520 - 700	



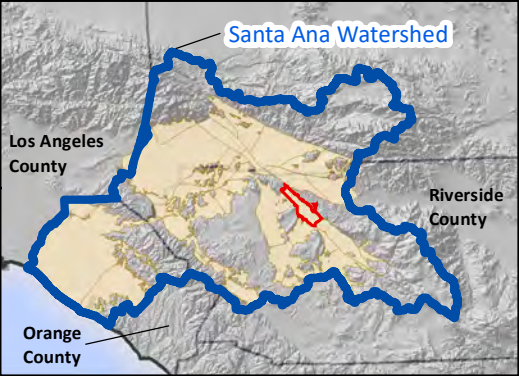
**Location of Wells Currently Being
Monitored in Relation to
2018 Ambient Point Statistic Locations**

- ✓ Currently being monitored as of 2022
- With TDS and/or nitrate data within the last three years (2016-2018)
- With TDS and/or nitrate statistic

**2018 Groundwater in Storage
(af per grid cell)**

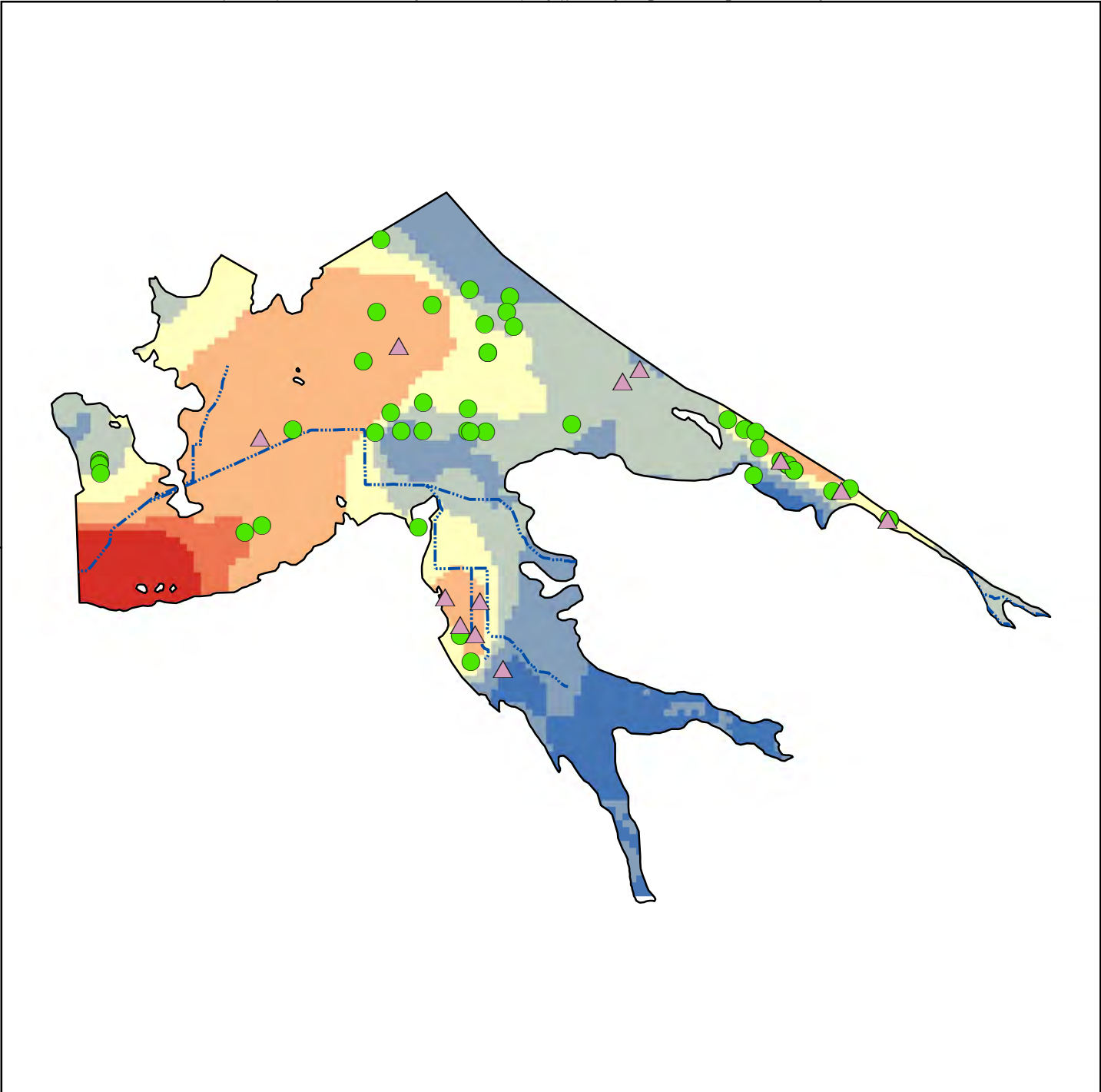
>50 - 1,000	>1,500 - 1,600
>1,000 - 1,200	>1,600 - 2,000
>1,200 - 1,500	>2,000 - 3,260

See Figure 1 for other features.



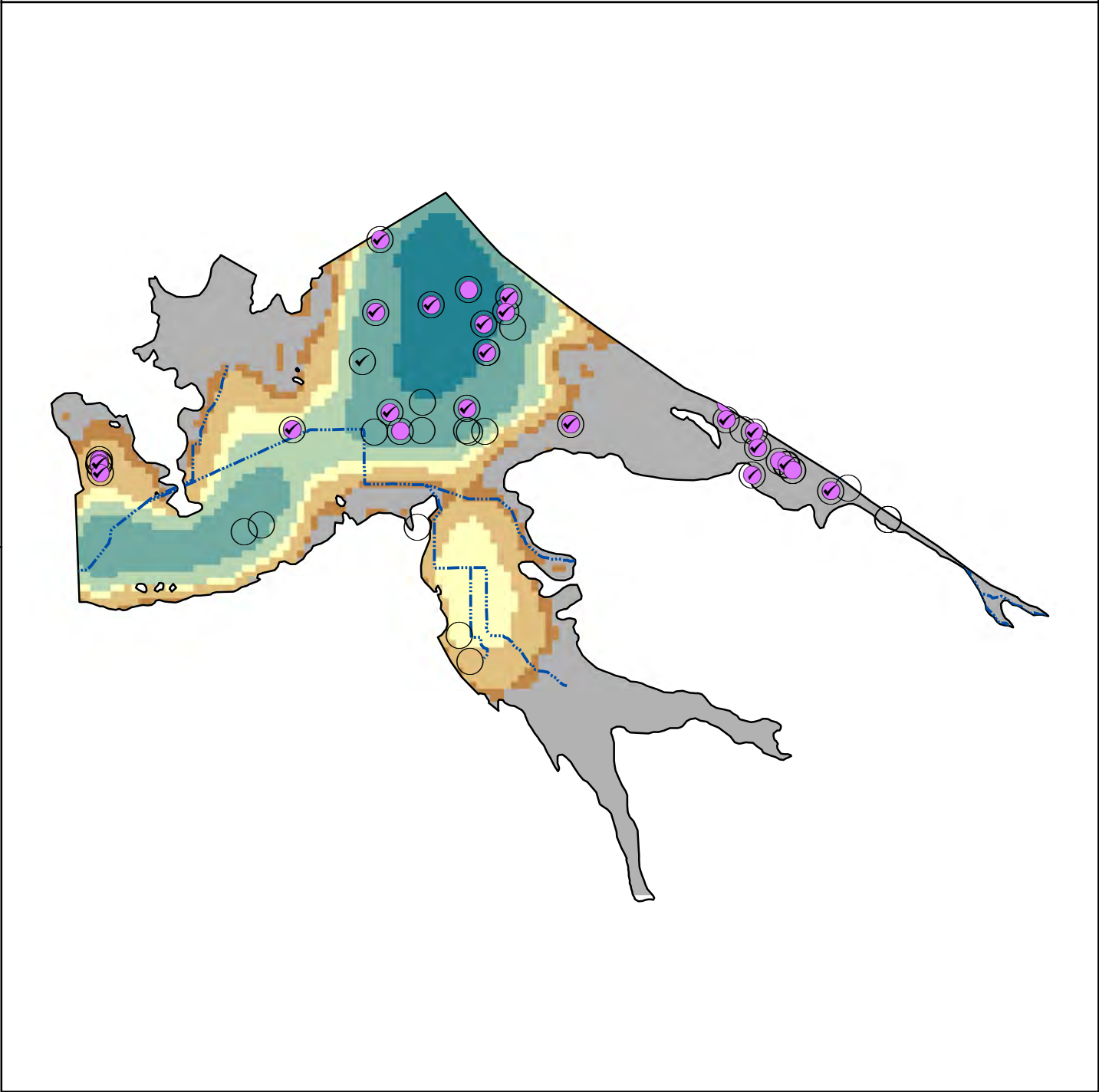
**Characterization of Historical and
Ongoing Groundwater Monitoring for
TDS and Nitrate**
San Jacinto Lower Pressure GMZ

B4. Hemet South Groundwater Management Zone



**Location of Wells with Point Statistics
in the 2018 Ambient Water Quality
Computation**

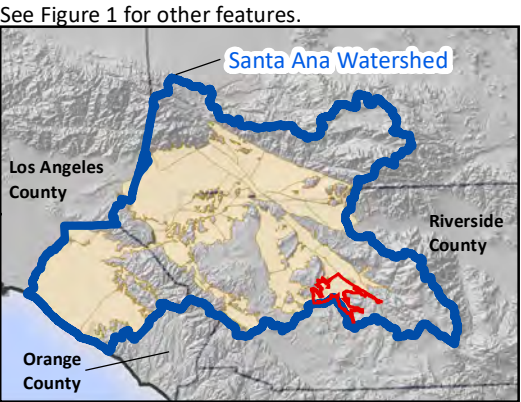
- With both TDS and nitrate statistics
 - ▲ With insufficient data to calculate statistic
- 2018 Ambient TDS (mg/l)**
(TDS Objective is 730 mg/l)
- | | |
|------------|----------------|
| 288 - 400 | >900 - 1,500 |
| >400 - 600 | >1,500 - 1,800 |
| >600 - 730 | >1,800 - 2,050 |
| >730 - 900 | |



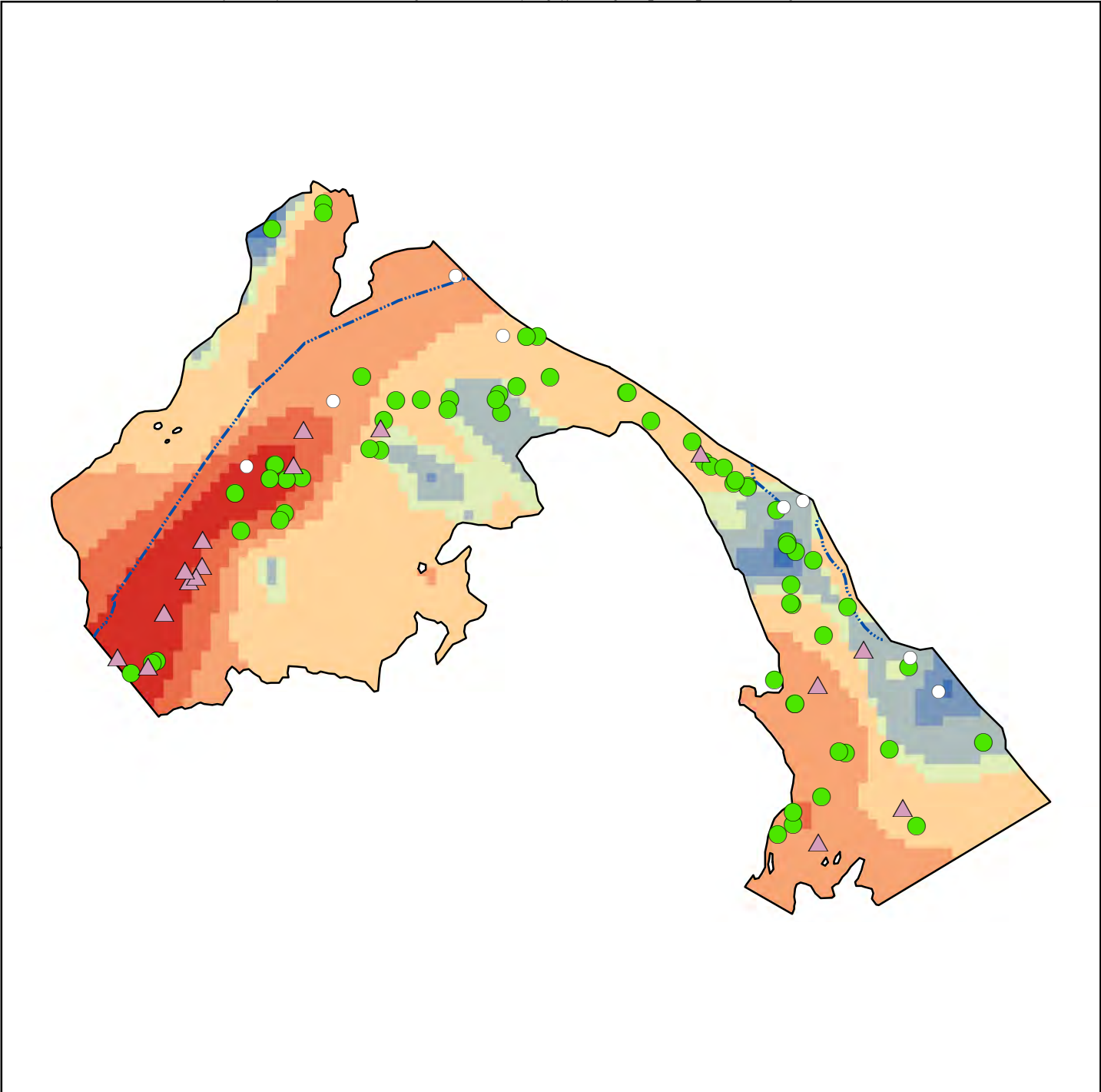
**Location of Wells Currently Being
Monitored in Relation to
2018 Ambient Point Statistic Locations**

- ✓ Currently being monitored as of 2022
- With TDS and/or nitrate statistic within the last three years (2016-2018)
- With TDS and/or nitrate statistic

- 2018 Groundwater in Storage
(af per grid cell)**
- | | |
|------------|----------------|
| 0 - 1 | >500 - 1,000 |
| >1 - 50 | >1,000 - 2,500 |
| >50 - 300 | >2,500 - 4,630 |
| >300 - 500 | |



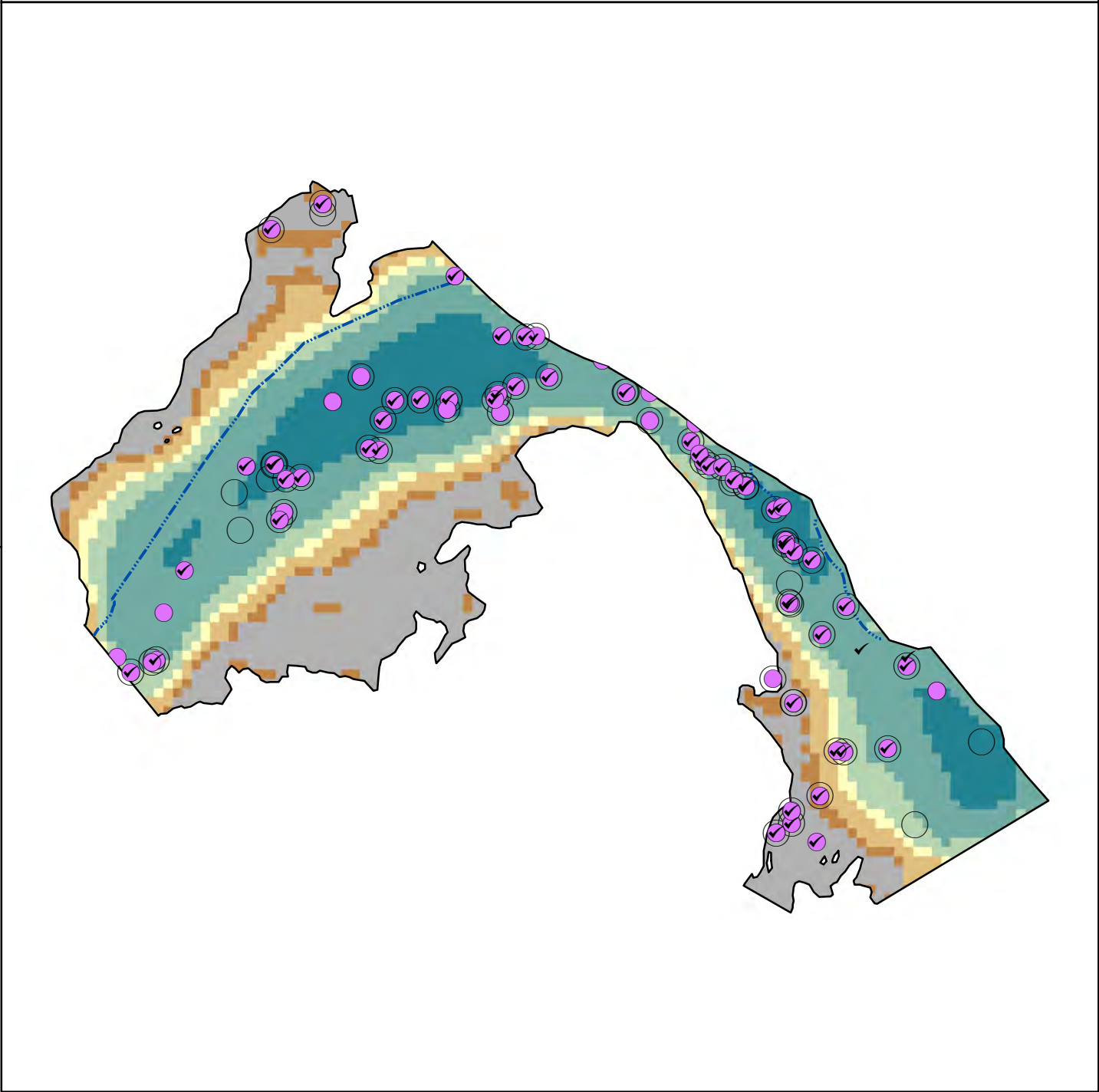
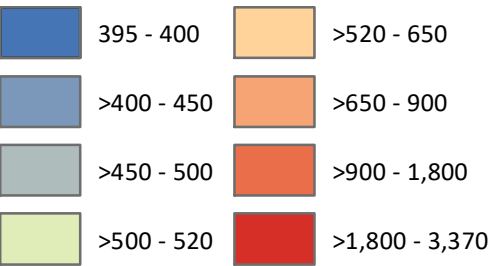
B5. Lakeview Hemet North Groundwater Management Zone



**Location of Wells with Point Statistics
in the 2018 Ambient Water Quality
Computation**

- With both TDS and nitrate statistics
- With either TDS or nitrate statistic
- ▲ With insufficient data to calculate statistic

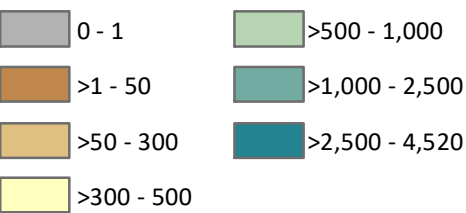
2018 Ambient TDS (mg/l)
(TDS Objective is 520 mg/l)



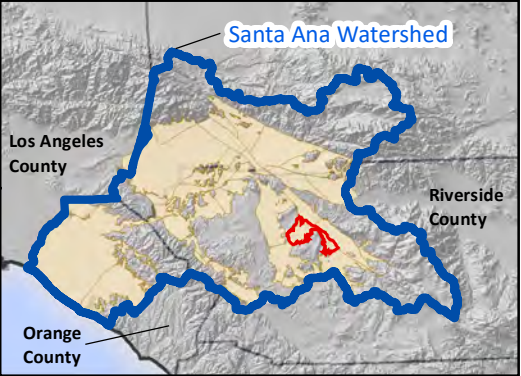
**Location of Wells Currently Being
Monitored in Relation to
2018 Ambient Point Statistic Locations**

- ✓ Currently being monitored as of 2022
- With TDS and/or nitrate data within the last three years (2016-2018)
- With TDS and/or nitrate statistic

**2018 Groundwater in Storage
(af per grid cell)**



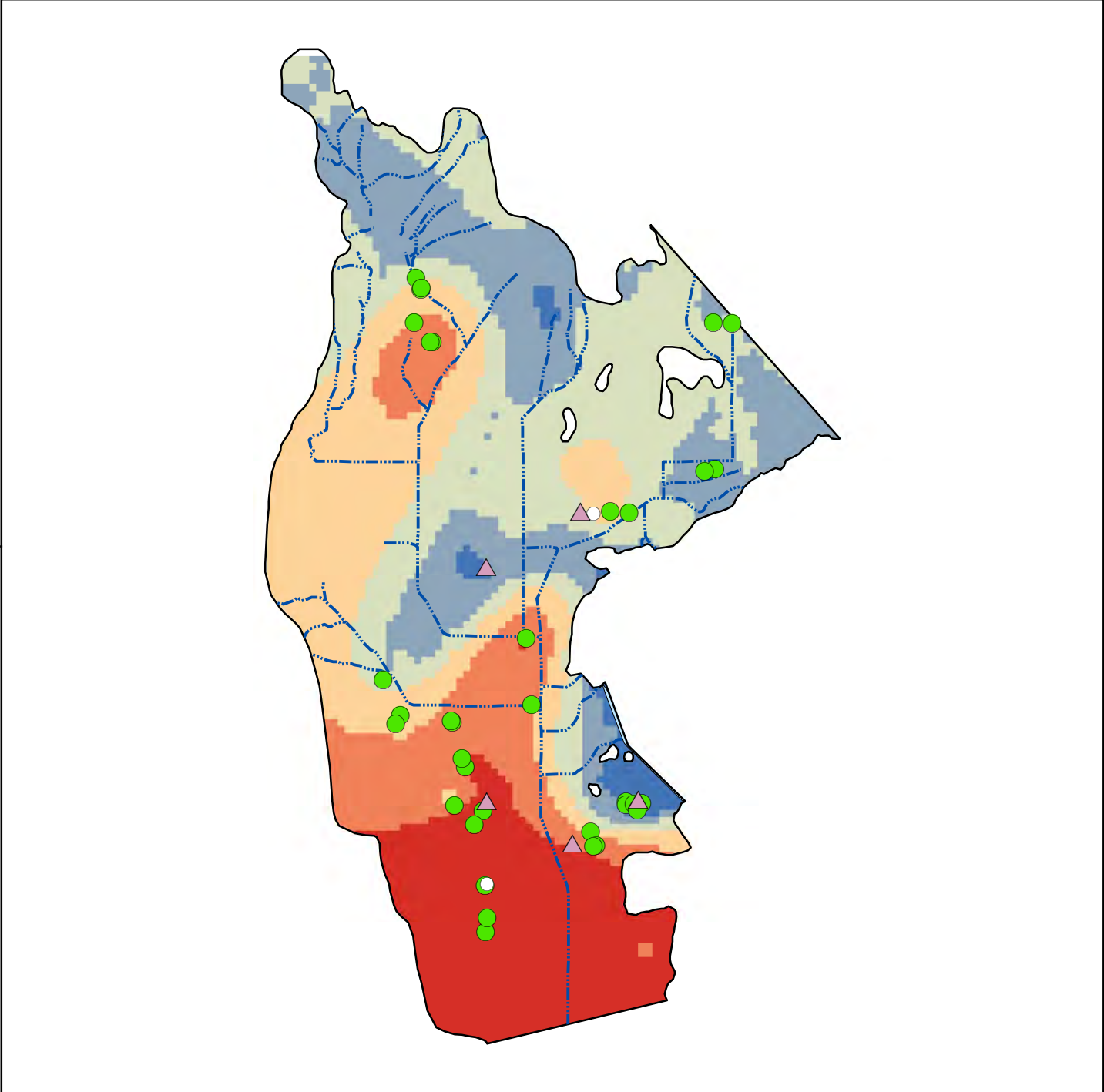
See Figure 1 for other features.



**Characterization of Historical and
Ongoing Groundwater Monitoring for
TDS and Nitrate
Lakeview/Hemet North GMZ**

Figure B-5

B6. Perris North Groundwater Management Zone

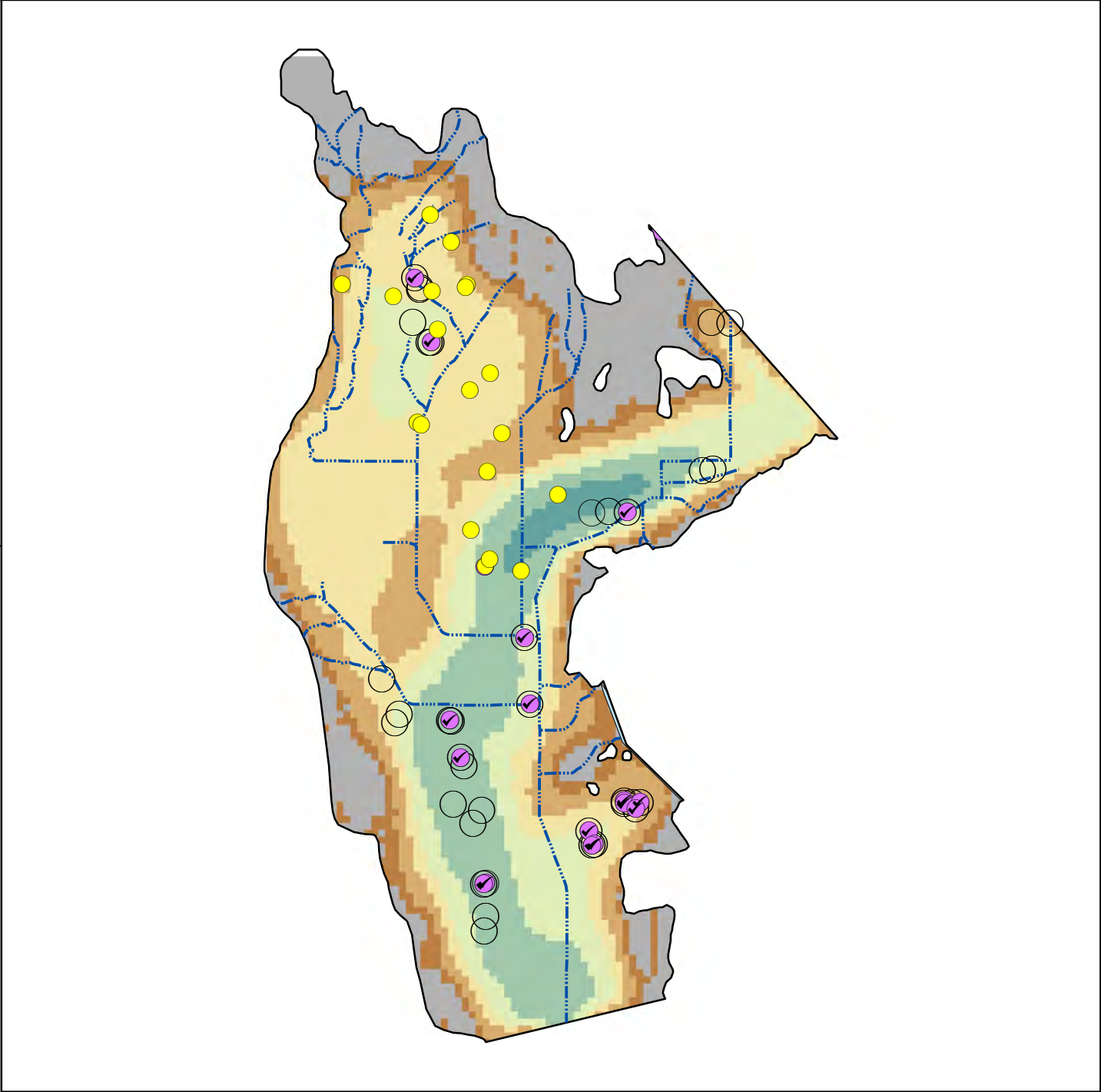


Location of Wells with Point Statistics
in the 2018 Ambient Water Quality
Computation

- With both TDS and nitrate statistics
- With either TDS or nitrate statistic
- ▲ With insufficient data to calculate statistic

2018 Ambient TDS (mg/l)
(TDS Objective is 570 mg/l)

354 - 450	>570 - 700
>450 - 500	>700 - 900
>500 - 570	>900 - 1,175



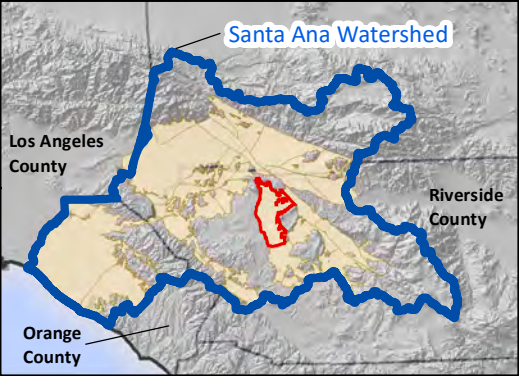
Location of Wells Currently Being
Monitored in Relation to
2018 Ambient Point Statistic Locations

- New well (tentative locations)
- ✓ Currently being monitored as of 2022
- With TDS and/or nitrate data within the last three years (2016-2018)
- With TDS and/or nitrate statistic

2018 Groundwater in Storage
(af per grid cell)

0 - 1	> 500 - 1,000
> 1 - 50	> 1,000 - 2,000
> 50 - 250	> 2,000 - 3,000
> 250 - 500	> 3,000 - 4,260

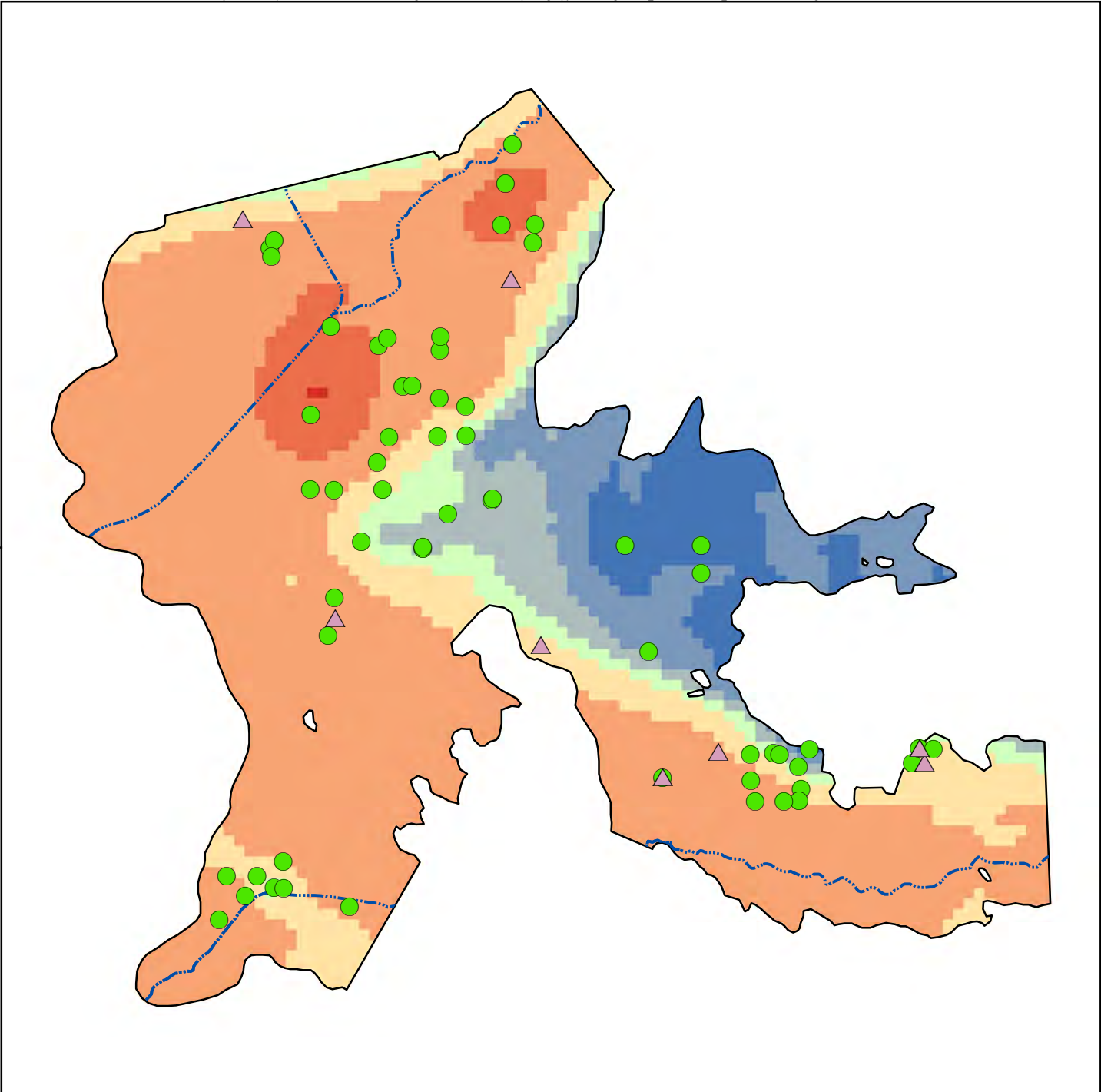
See Figure 1 for other features.



Characterization of Historical and
Ongoing Groundwater Monitoring for
TDS and Nitrate
Perris-North GMZ

Figure B-6

B7. Perris South Groundwater Management Zone

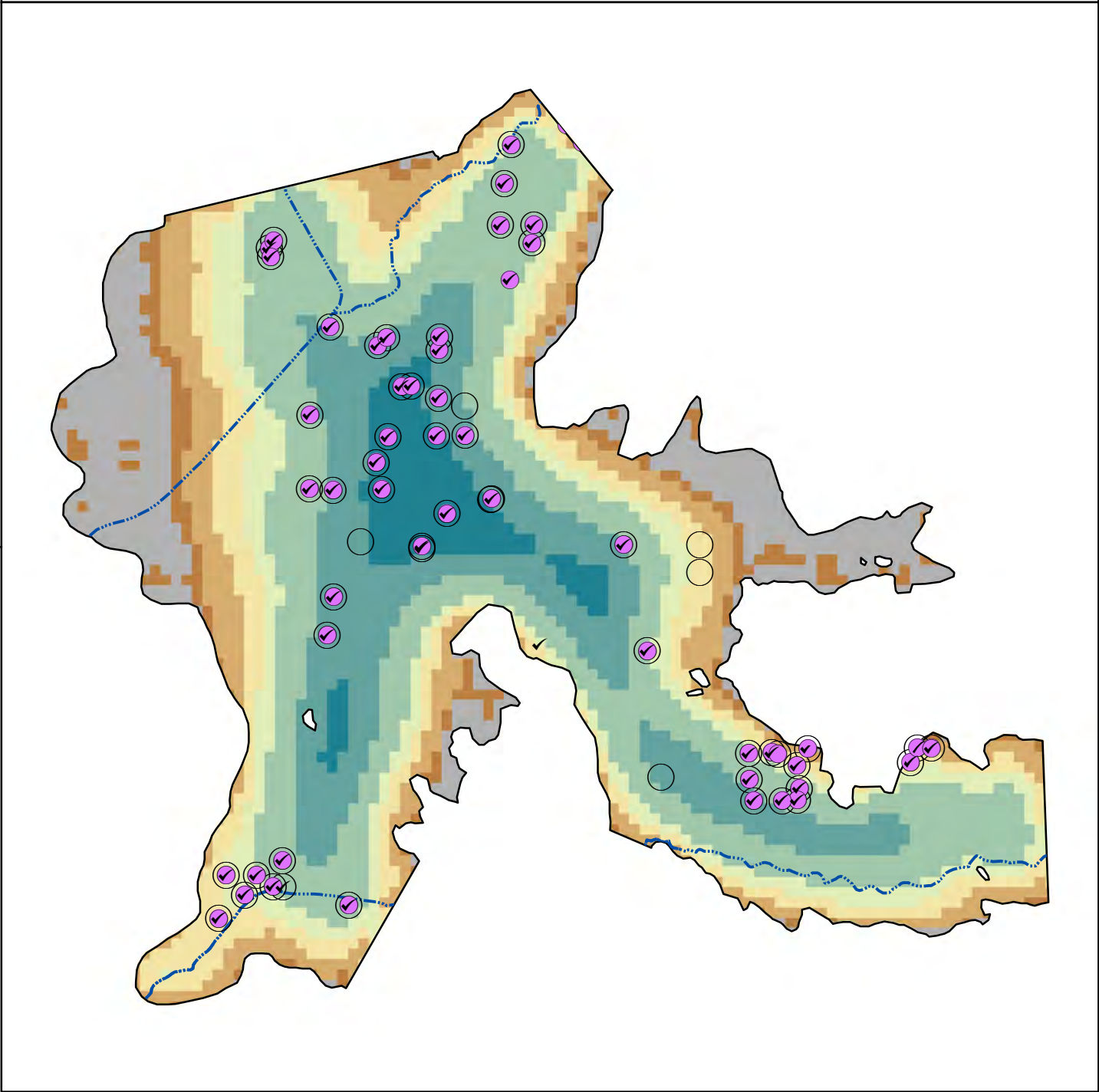


**Location of Wells with Point Statistics
in the 2018 Ambient Water Quality
Computation**

- With both TDS and nitrate statistics
- With insufficient data to calculate statistic

2018 Ambient TDS (mg/l)
(TDS Objective is 1,260 mg/l)

460 - 600	>1,260 - 2,000
>600 - 800	>2,000 - 4,000
>800 - 1,000	>4,000 - 8,000
>1,000 - 1,260	>8,000 - 10,500



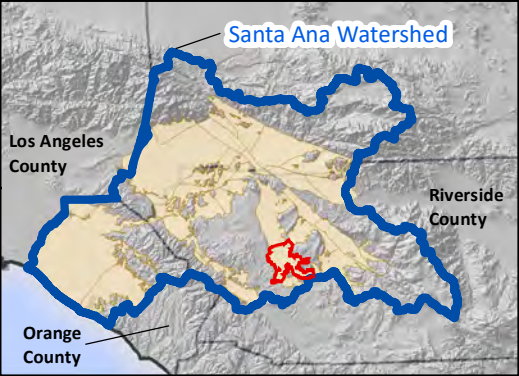
**Location of Wells Currently Being
Monitored in Relation to
2018 Ambient Point Statistic Locations**

- Currently being monitored as of 2022
- With TDS and/or nitrate data within the last three years (2016-2018)
- With TDS and/or nitrate statistic

**2018 Groundwater in Storage
(af per grid cell)**

0 - 1	>600 - 1,000
>1 - 50	>1,000 - 2,000
>50 - 300	>2,000 - 3,000
>300 - 600	>3,000 - 3,784

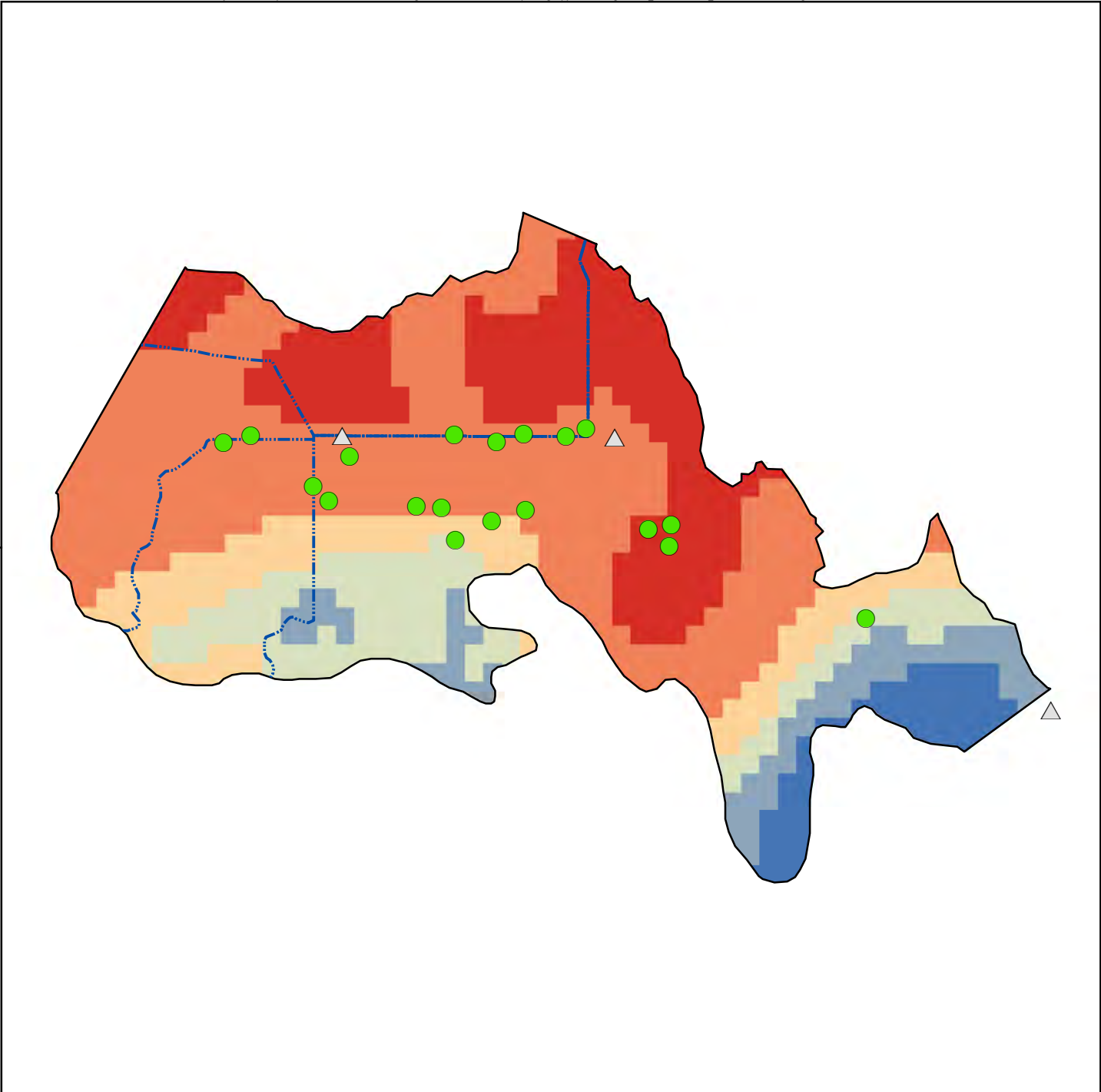
See Figure 1 for other features.



**Characterization of Historical and
Ongoing Groundwater Monitoring for
TDS and Nitrate
Perris-South GMZ**

Figure B-7

B8. Meniffee Groundwater Management Zone

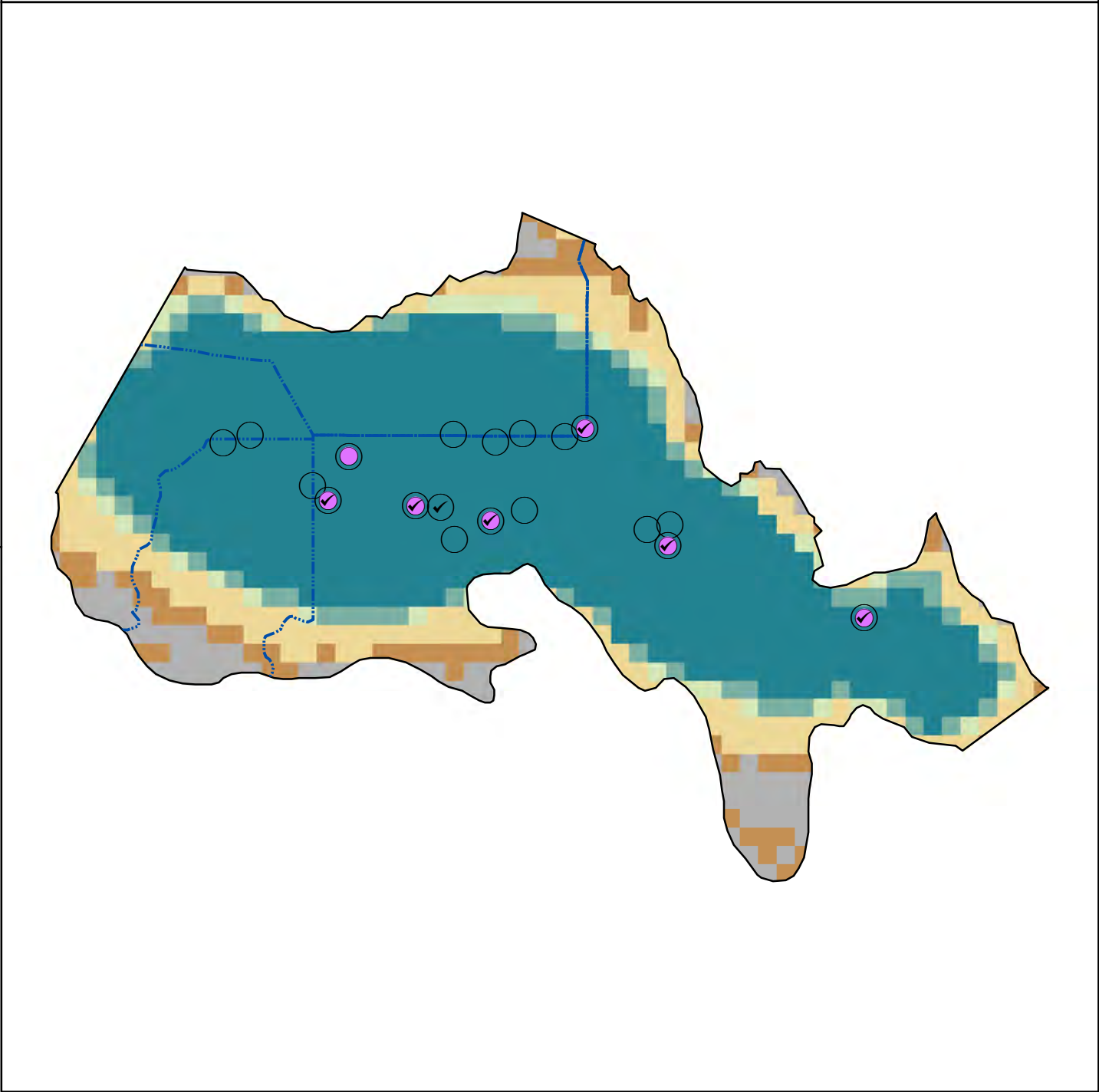


**Location of Wells with Point Statistics
in the 2018 Ambient Water Quality
Computation**

- With both TDS and nitrate statistics
- △ With insufficient data to calculate statistic

2018 Ambient TDS (mg/l)
(TDS Objective is 1,020 mg/l)

671 - 800	>1,020 - 1,400
>800 - 900	>1,400 - 2,500
>900 - 1,020	>2,500 - 2,890



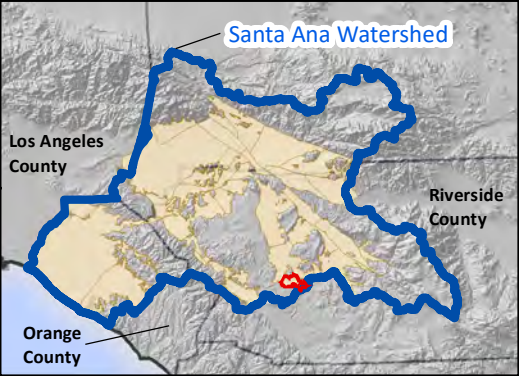
**Location of Wells Currently Being
Monitored in Relation to
2018 Ambient Point Statistic Locations**

- ✓ Currently being monitored as of 2022
- With TDS and/or nitrate data within the last three years (2016-2018)
- With TDS and/or nitrate statistic

**2018 Groundwater in Storage
(af per grid cell)**

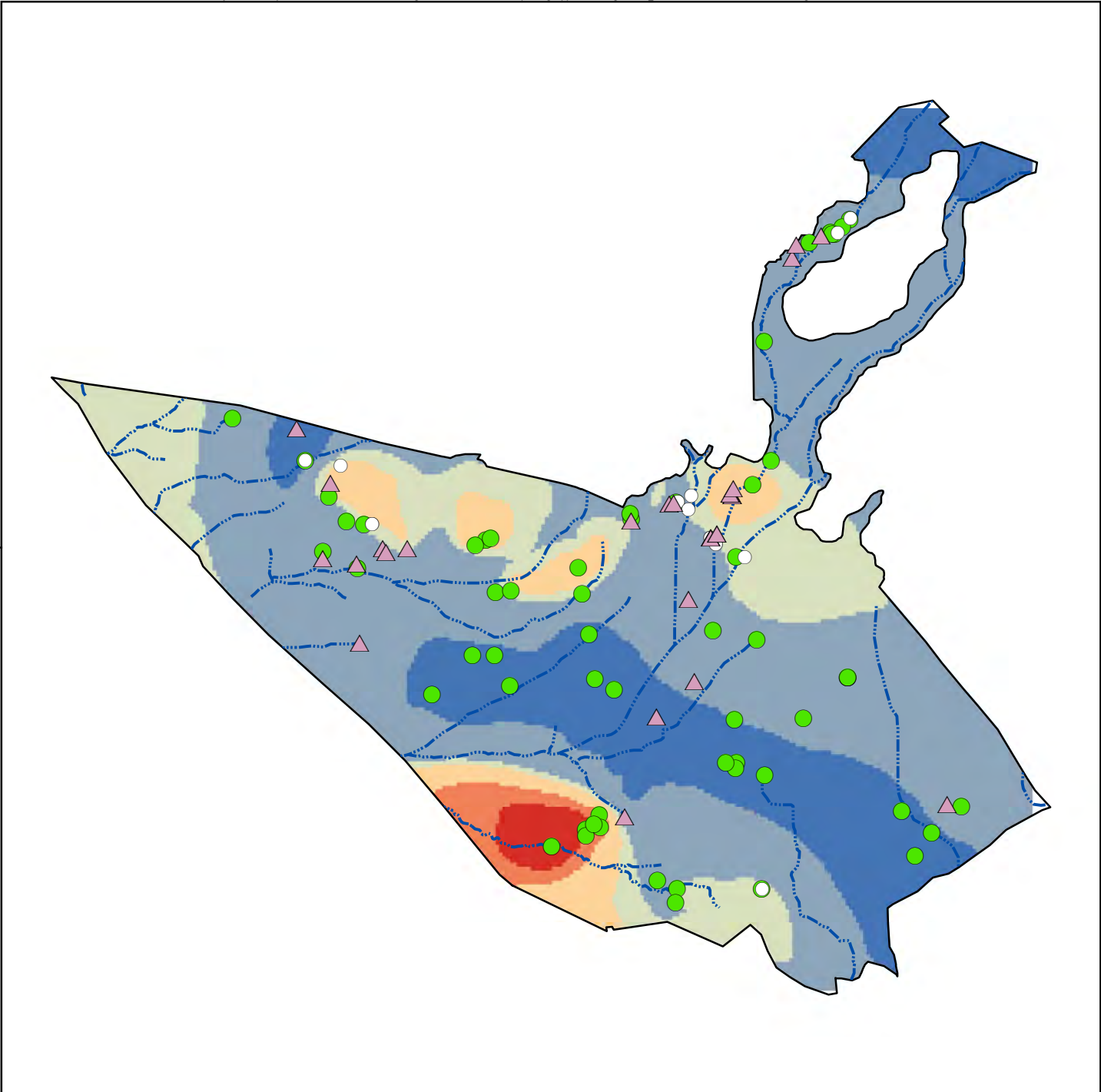
0 - 1	>250 - 300
>1 - 50	>300 - 400
>50 - 250	>400 - 464

See Figure 1 for other features.



**Characterization of Historical and
Ongoing Groundwater Monitoring for
TDS and Nitrate
Menifee GMZ**

B9. Beaumont Groundwater Management Zone

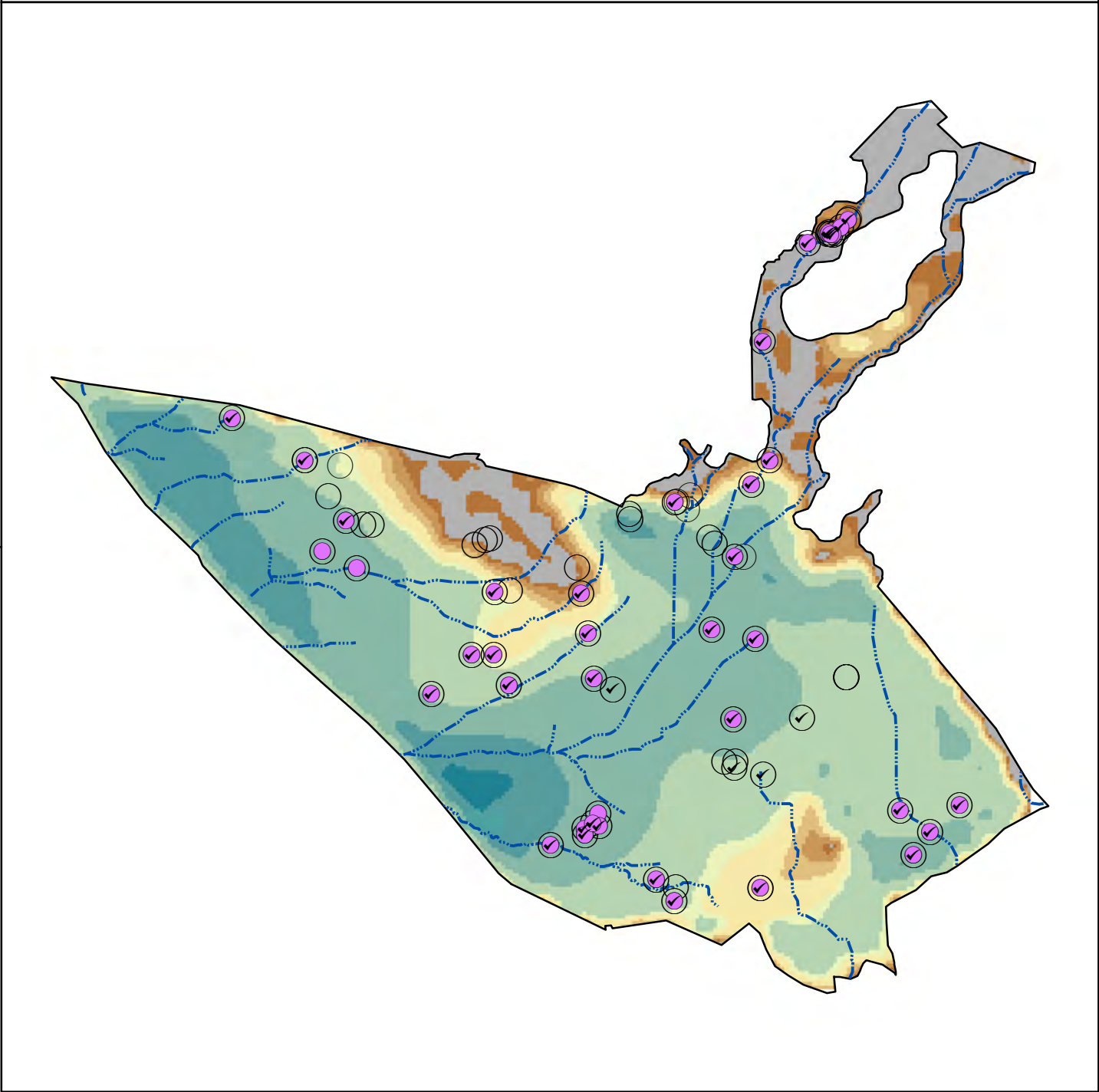


**Location of Wells with Point Statistics
in the 2018 Ambient Water Quality
Computation**

- With both TDS and nitrate statistics
- With either TDS or nitrate statistic
- ▲ With insufficient data to calculate statistic

2018 Ambient TDS (mg/l)
(TDS Objective is 330 mg/l)

190 - 230	>330 - 430
>230 - 300	>430 - 530
>300 - 330	>530 - 700



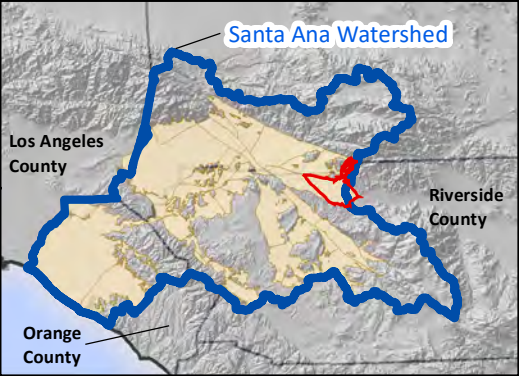
**Location of Wells Currently Being
Monitored in Relation to
2018 Ambient Point Statistic Locations**

- ✓ Currently being monitored as of 2022
- With TDS and/or nitrate data within the last three years (2016-2018)
- With TDS and/or nitrate statistic

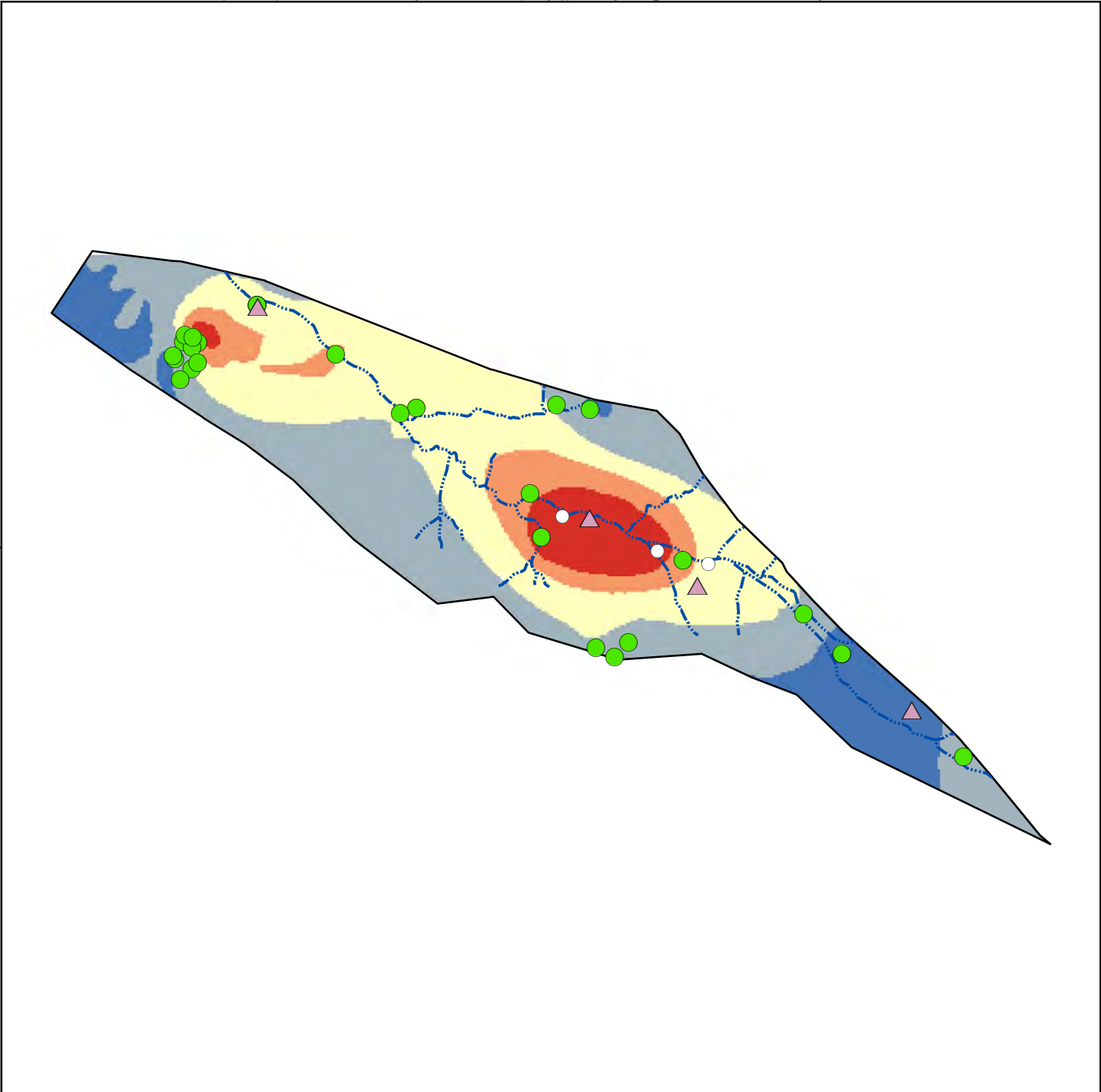
**2018 Groundwater in Storage
(af per grid cell)**

0 - 1	>400 - 800
>1 - 50	>800 - 1,000
>50 - 200	>1,000 - 2,000
>200 - 400	>2,000 - 3,000

See Figure 1 for other features.



B10. San Timoteo Groundwater Management Zone

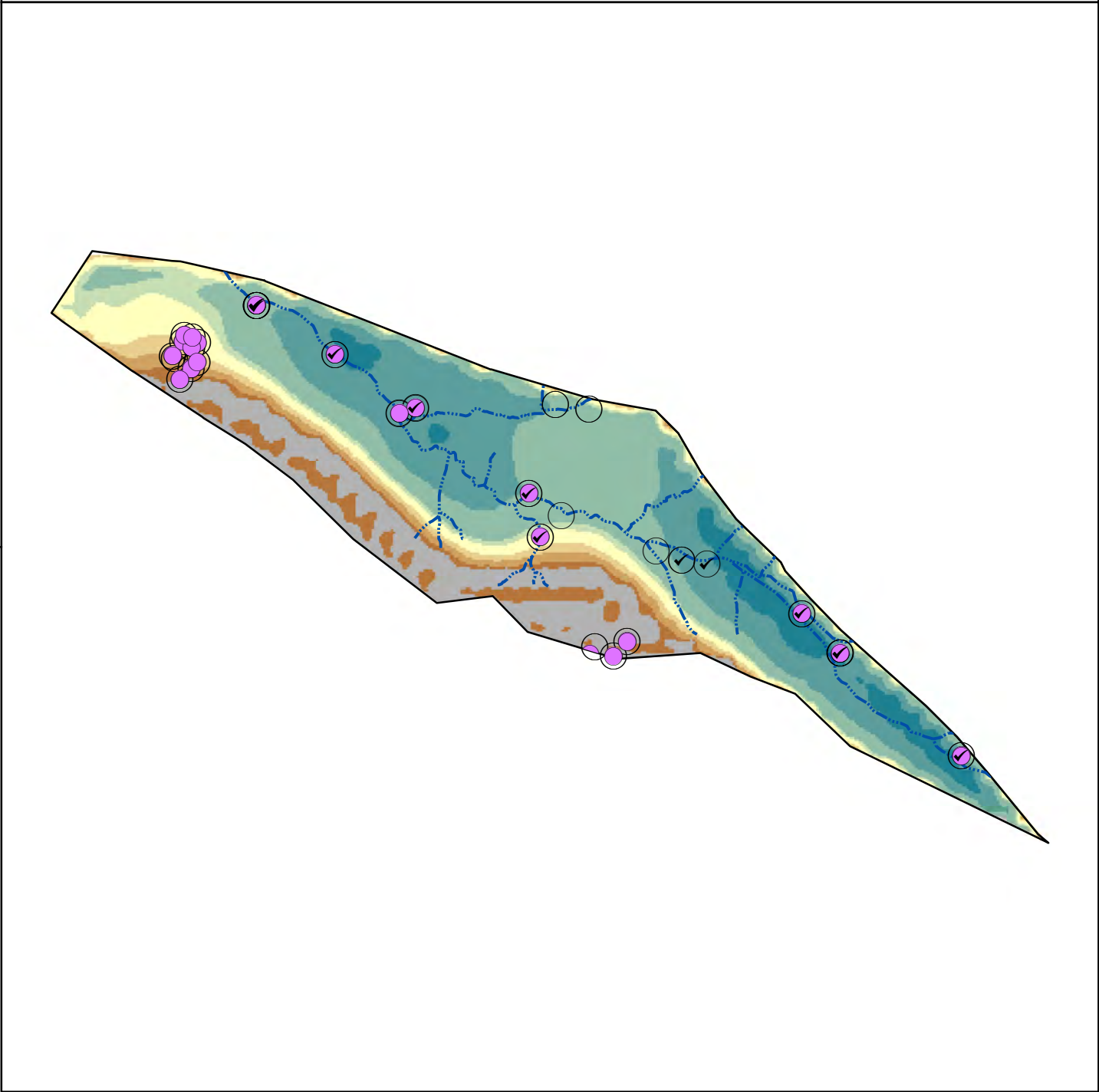


**Location of Wells with Point Statistics
in the 2018 Ambient Water Quality
Computation**

- With both TDS and nitrate statistics
- With either TDS or nitrate statistic
- ▲ With insufficient data to calculate statistic

2018 Ambient TDS (mg/l)
(TDS Objective is 400 mg/l)

210 - 300	> 500 - 600
> 300 - 400	> 600 - 725
> 400 - 500	



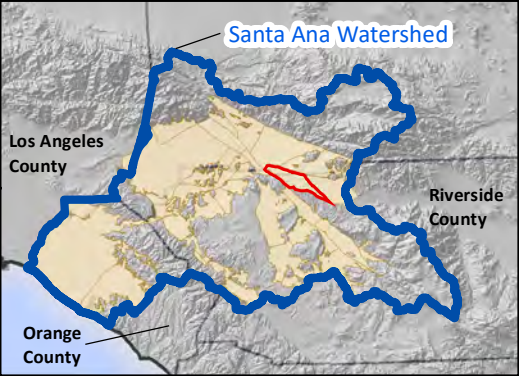
**Location of Wells Currently Being
Monitored in Relation to
2018 Ambient Point Statistic Locations**

- ✓ Currently being monitored as of 2022
- With TDS and/or nitrate data within the last three years (2016-2018)
- With TDS and/or nitrate statistic

**2018 Groundwater in Storage
(af per grid cell)**

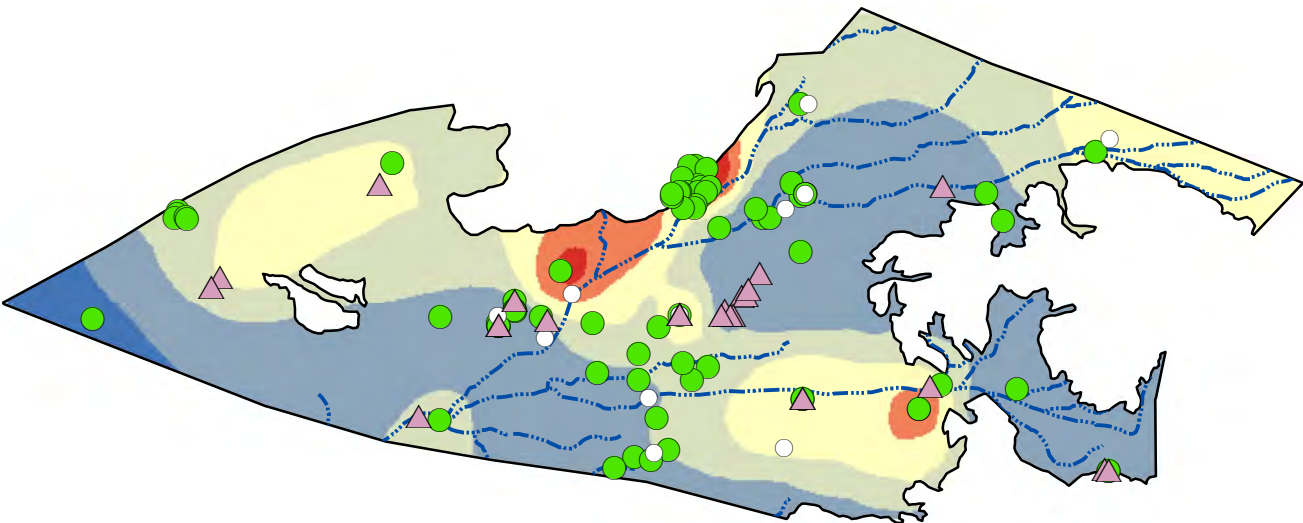
0-1	> 800 - 1,000
> 1 - 50	> 1,000 - 2,000
> 50 - 200	> 2,000 - 3,000
> 200 - 400	> 3,000 - 3,500
> 400 - 800	

See Figure 1 for other features.



**Characterization of Historical and
Ongoing Groundwater Monitoring for
TDS and Nitrate
San Timoteo GMZ**

B11. Yucaipa Groundwater Management Zone

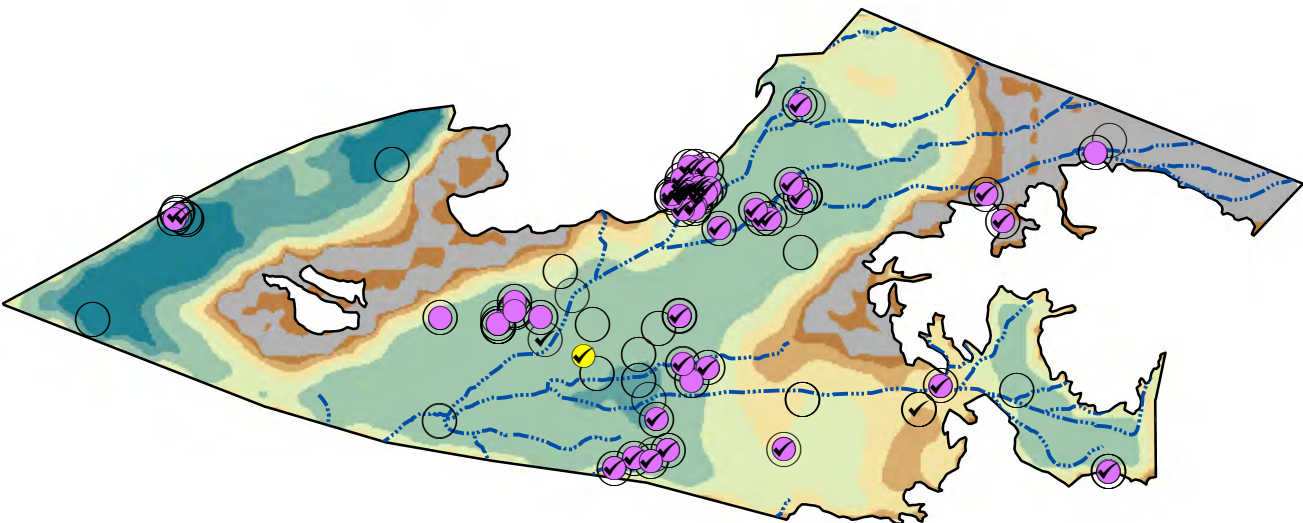


Location of Wells with Point Statistics
in the 2018 Ambient Water Quality
Computation

- With both TDS and nitrate statistics
- With either TDS or nitrate statistic
- ▲ With insufficient data to calculate statistic

2018 Ambient TDS (mg/l)
(TDS Objective is 370 mg/l)

130 - 250	>370 - 450
>250 - 320	>450 - 550
>320 - 370	>550 - 815



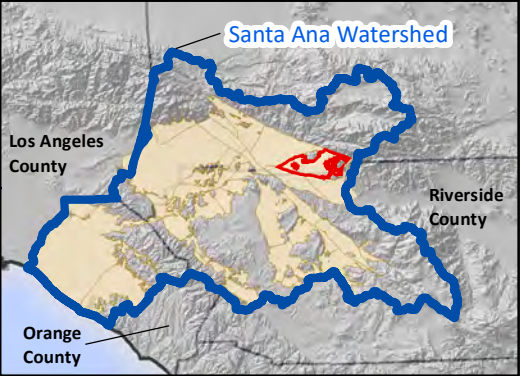
Location of Wells Currently Being
Monitored in Relation to
2018 Ambient Point Statistic Locations

- New well
- ✓ Currently being monitored as of 2022
- With TDS and/or nitrate data within the last three years (2016-2018)
- With TDS and/or nitrate statistic

2018 Groundwater in Storage
(af per grid cell)

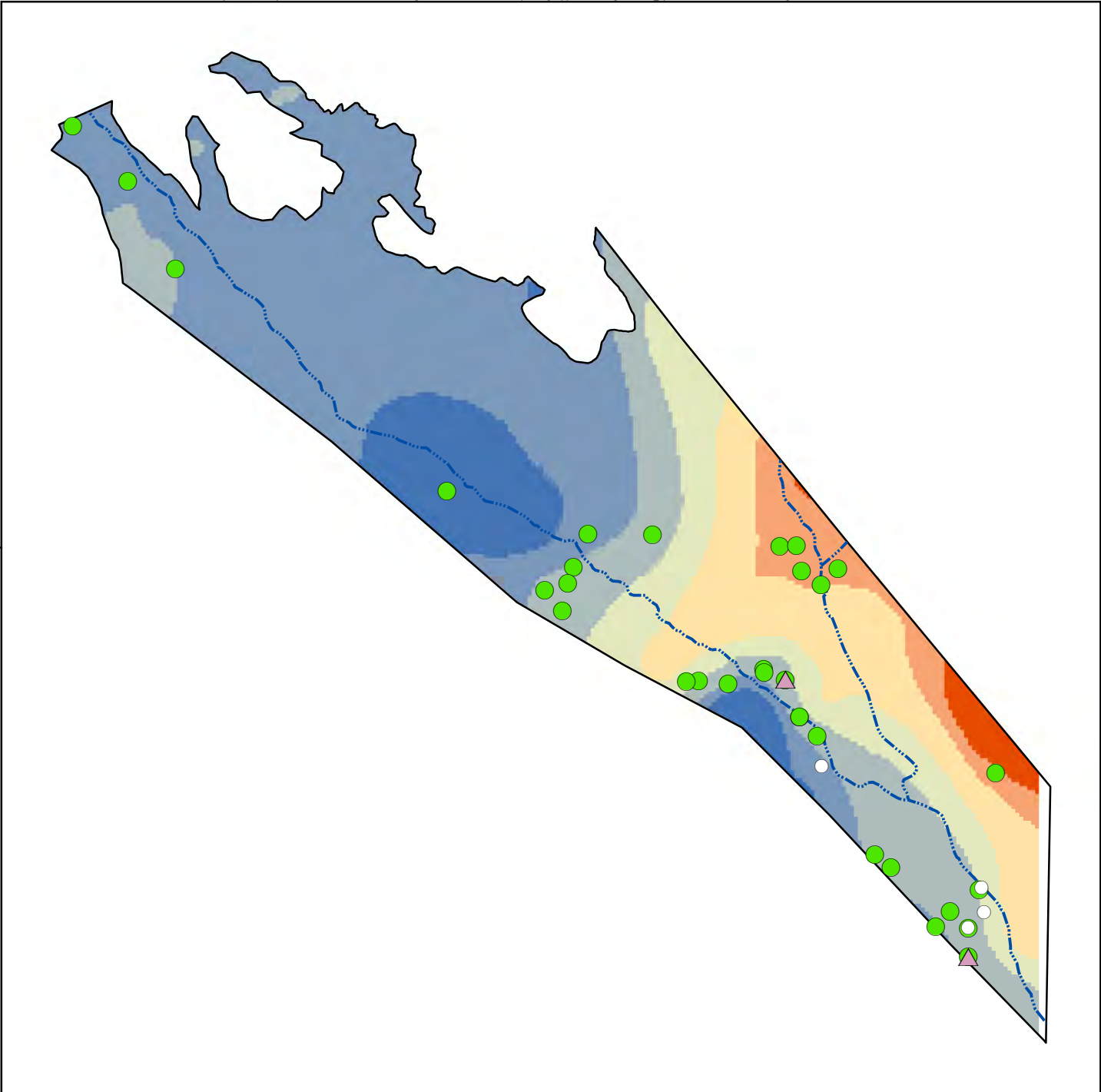
0 - 1	>500 - 1,000
>1 - 50	>1,000 - 2,000
>50 - 200	>2,000 - 2,500
>200 - 500	>2,500 - 4,900

See Figure 1 for other features.



Characterization of Historical and
Ongoing Groundwater Monitoring for
TDS and Nitrate
Yucaipa GMZ

B12. Lytle Groundwater Management Zone

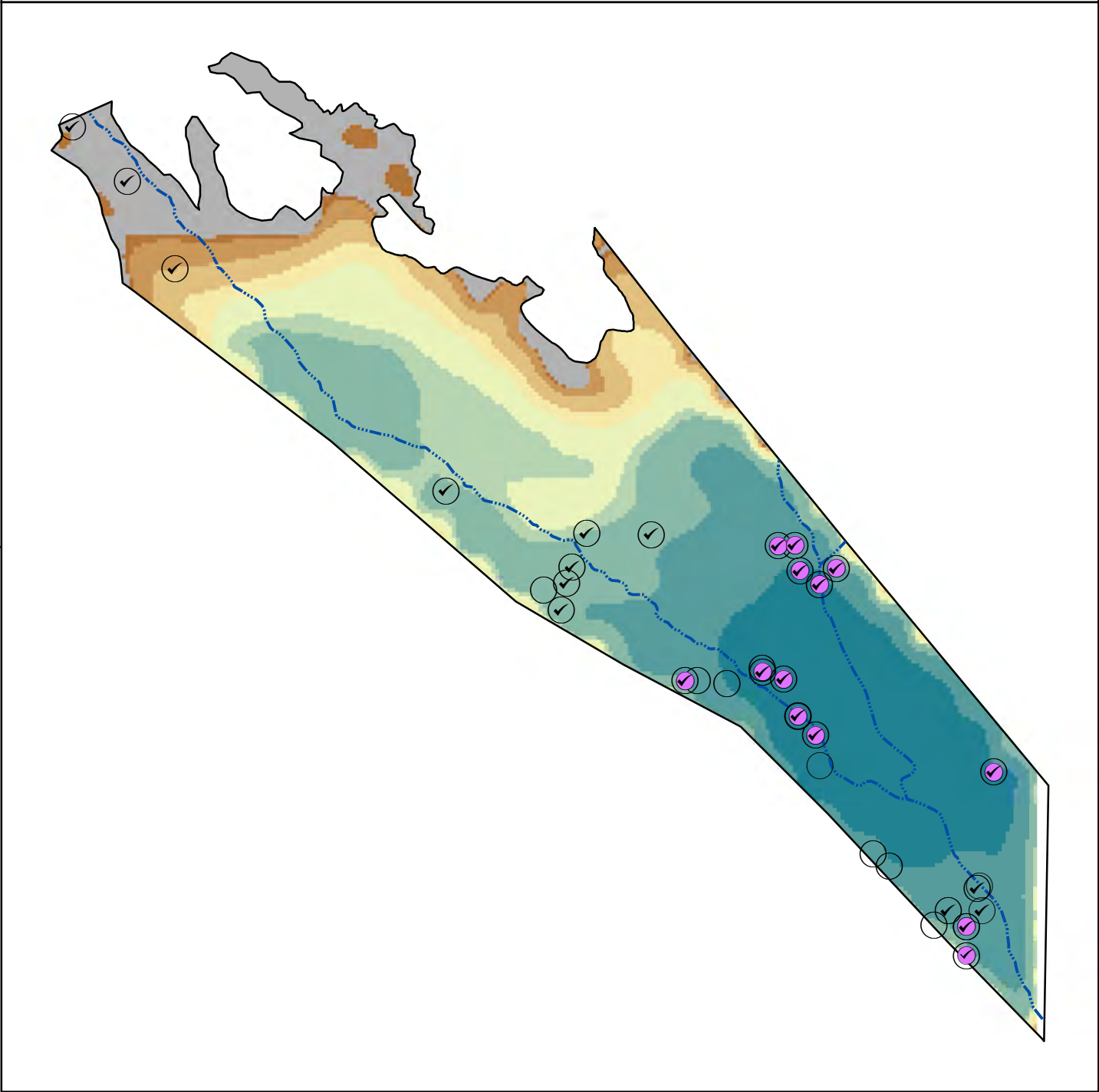


**Location of Wells with Point Statistics
in the 2018 Ambient Water Quality
Computation**

- With both TDS and nitrate statistics
- With either TDS or nitrate statistic
- ▲ With insufficient data to calculate statistic

2018 Ambient TDS (mg/l)
(TDS Objective is 260 mg/l)

120 - 180	>260 - 300
>180 - 200	>300 - 320
>200 - 230	>320 - 340
>230 - 260	



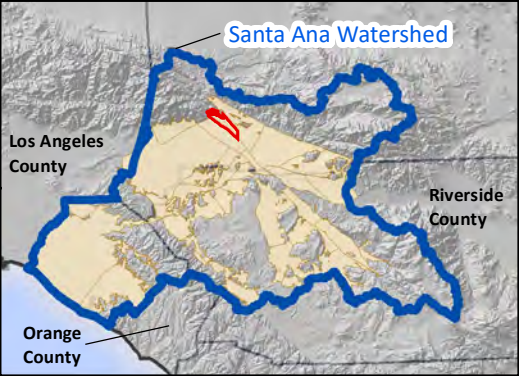
**Location of Wells Currently Being
Monitored in Relation to
2018 Ambient Point Statistic Locations**

- ✓ Currently being monitored as of 2022
- With TDS and/or nitrate data within the last three years (2016-2018)
- With TDS and/or nitrate statistic

**2018 Groundwater in Storage
(af per grid cell)**

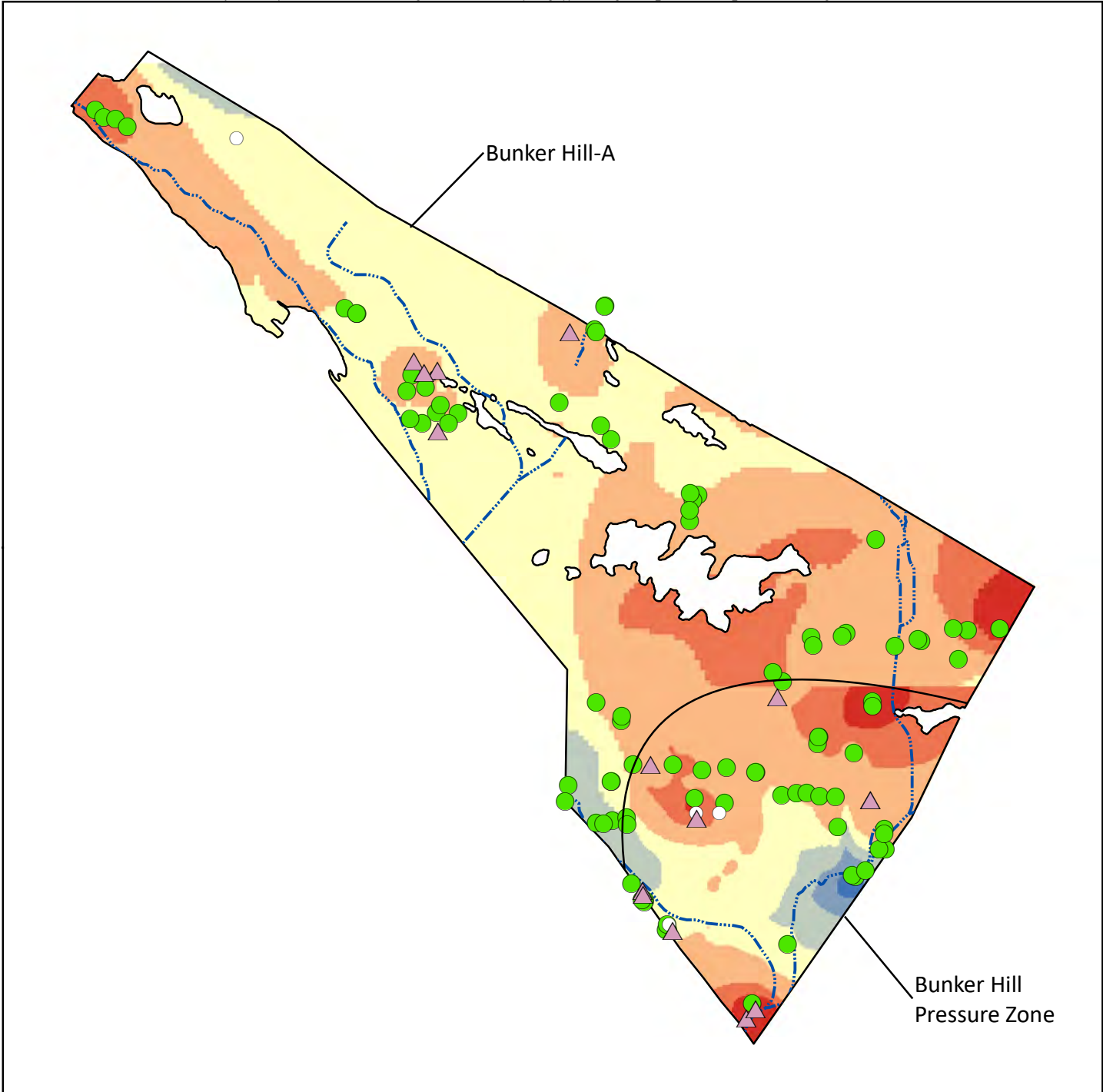
0 - 1	> 400 - 800
> 1 - 5	> 800 - 1,000
> 5 - 50	> 1,000 - 2,000
> 50 - 200	> 2,000 - 4,000
> 200 - 400	>4,000 - 8,000

See Figure 1 for other features.



**Characterization of Historical and
Ongoing Groundwater Monitoring for
TDS and Nitrate**
Lytle GMZ

B13. Bunker Hill A Groundwater Management Zone



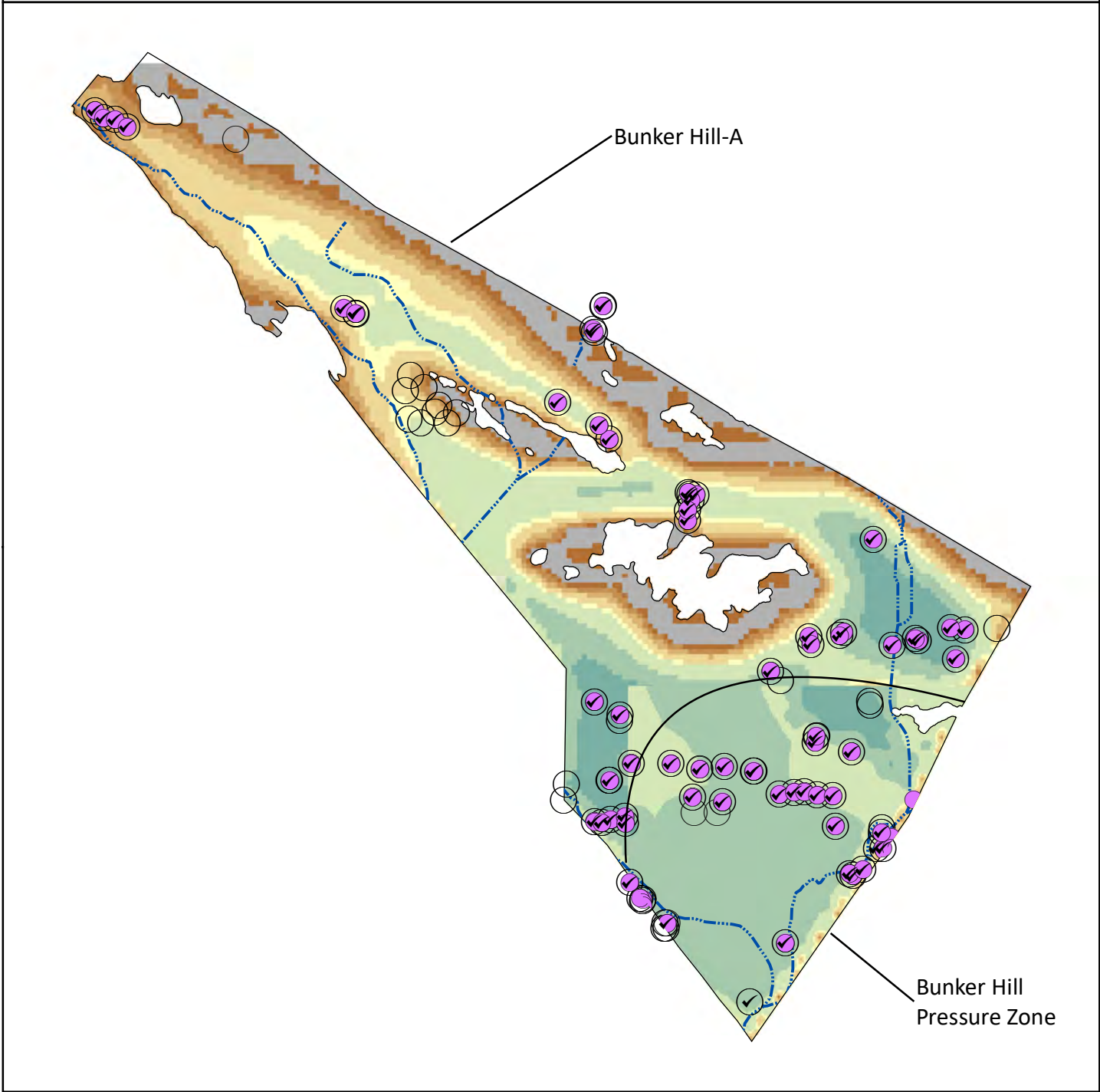
Location of Wells with Point Statistics in the 2018 Ambient Water Quality Computation

- With both TDS and nitrate statistics
- With either TDS or nitrate statistic
- ▲ With insufficient data to calculate statistic

2018 Ambient TDS (mg/l)*
(TDS Objective is 310 mg/l)

145 - 200	>350 - 400
>200 - 250	>400 - 450
>250 - 310	>450 - 550
>310 - 350	

*Note: Bunker Hill Pressure Zone is an aquiclude system with two layers while the remaining Bunker Hill A GMZ contains one layer. The TDS concentration for the Bunker Hill Pressure Zone is for Layer 1.



Location of Wells Currently Being Monitored in Relation to 2018 Ambient Point Statistic Locations

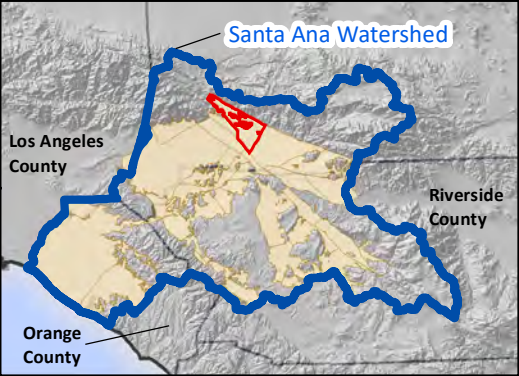
- ✓ Currently being monitored as of 2022
- With TDS and/or nitrate data within the last three years (2016-2018)
- With TDS and/or nitrate statistic

2018 Groundwater in Storage (af per grid cell)*

0 - 1	>1,000 - 2,000
>1 - 50	>2,000 - 3,000
>50 - 200	>3,000 - 4,000
>200 - 400	>4,000 - 5,000
>400 - 800	>5,000 - 5,200
>800 - 1,000	

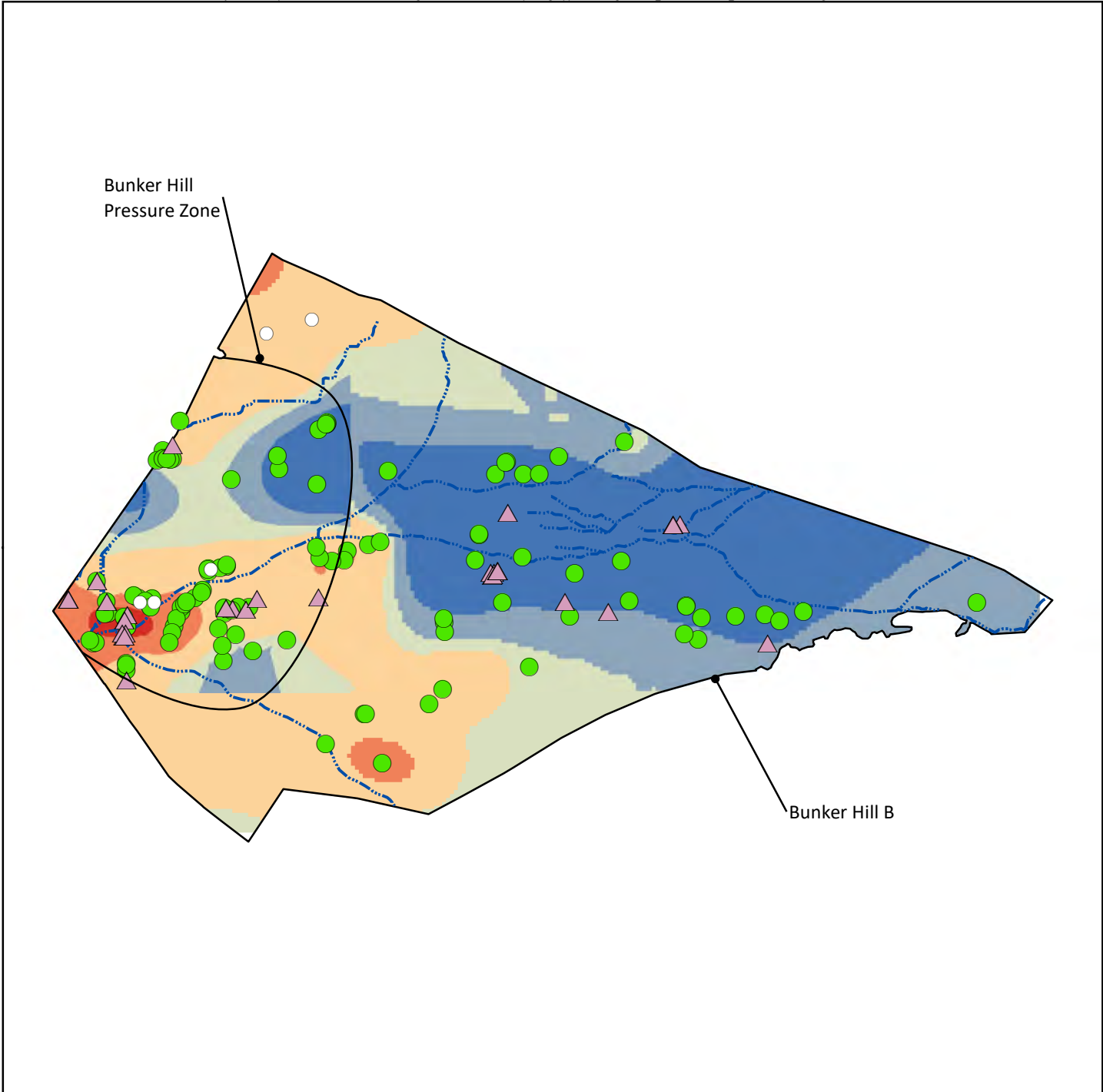
*Note: Total storage per grid cell including the Bunker Hill Pressure Zone.

See Figure 1 for other features.



Characterization of Historical and Ongoing Groundwater Monitoring for TDS and Nitrate
Bunker Hill A GMZ

B14. Bunker Hill B Groundwater Management Zone



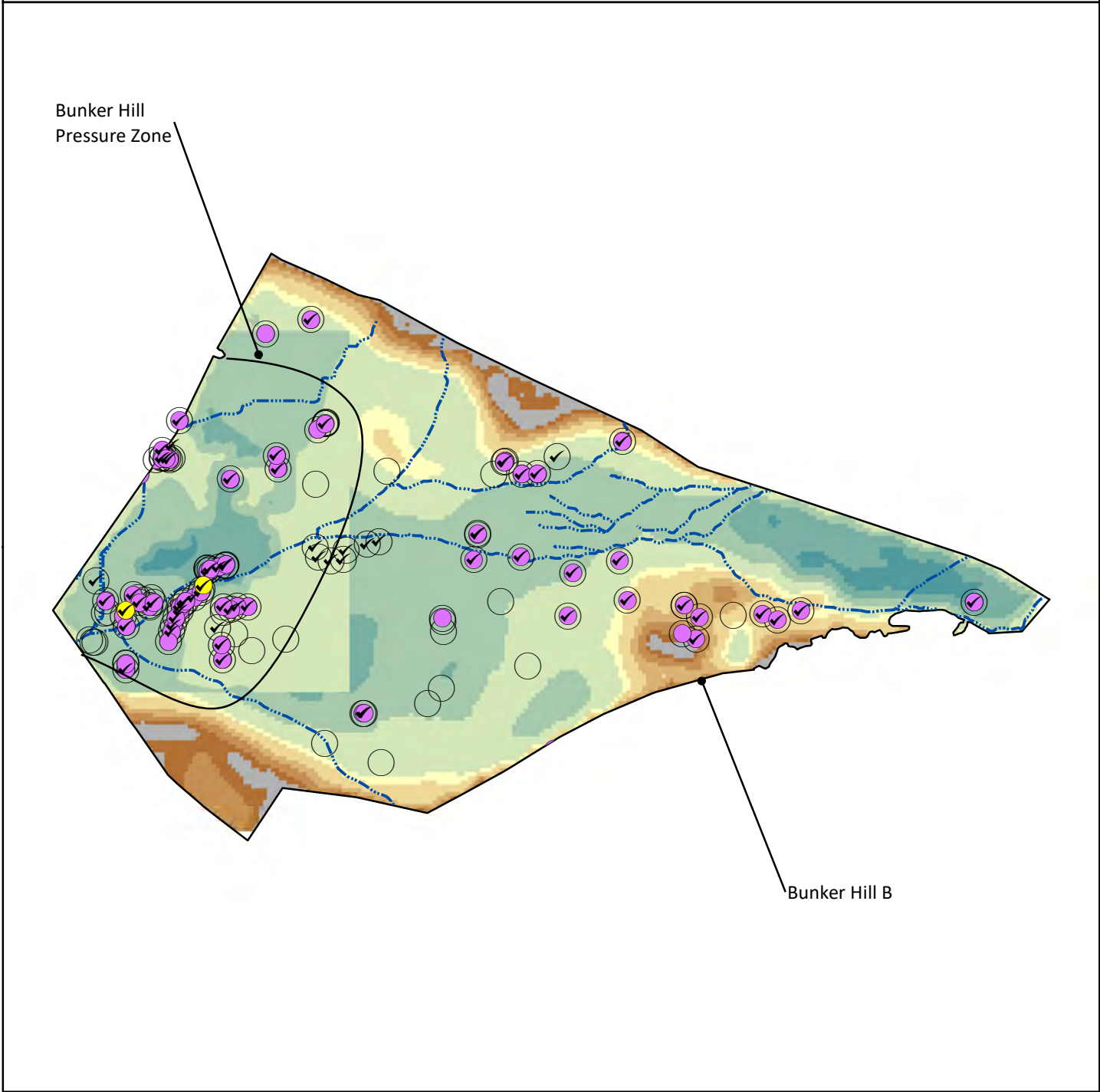
Location of Wells with Point Statistics in the 2018 Ambient Water Quality Computation

- With both TDS and nitrate statistics
- With either TDS or nitrate statistic
- △ With insufficient data to calculate statistic

2018 Ambient TDS (mg/l)* (TDS Objective is 330 mg/l)

>186 - 250	>330 - 450
>250 - 300	>450 - 650
>300 - 330	>650 - 800

*Note: Bunker Hill Pressure Zone is an aquifer system with two layers while the remaining Bunker Hill B GMZ contains one layer. The TDS concentration for the Bunker Hill Pressure Zone is for Layer 1.



Location of Wells Currently Being Monitored in Relation to 2018 Ambient Point Statistic Locations

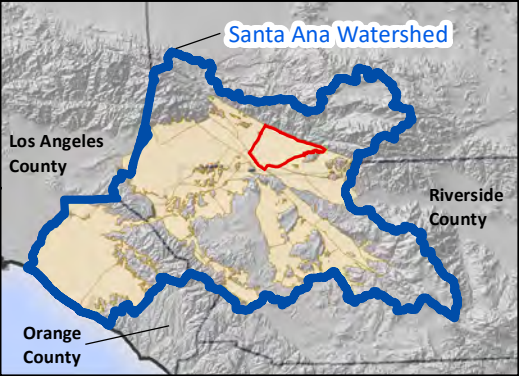
- New well
- ✓ Currently being monitored as of 2022
- With TDS and/or nitrate data within the last three years (2016-2018)
- With TDS and/or nitrate statistic

2018 Groundwater in Storage (af per grid cell)*

0 - 1	>1,000 - 2,000
>1 - 50	>2,000 - 3,000
>50 - 200	>3,000 - 4,000
>200 - 400	>4,000 - 5,000
>400 - 800	>5,000 - 5,200
>800 - 1,000	

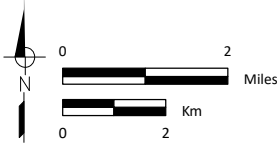
*Note: Total storage per grid cell including the Bunker Hill Pressure Zone.

See Figure 1 for other features.



Characterization of Historical and Ongoing Groundwater Monitoring for TDS and Nitrate Bunker Hill B GMZ

Prepared by:



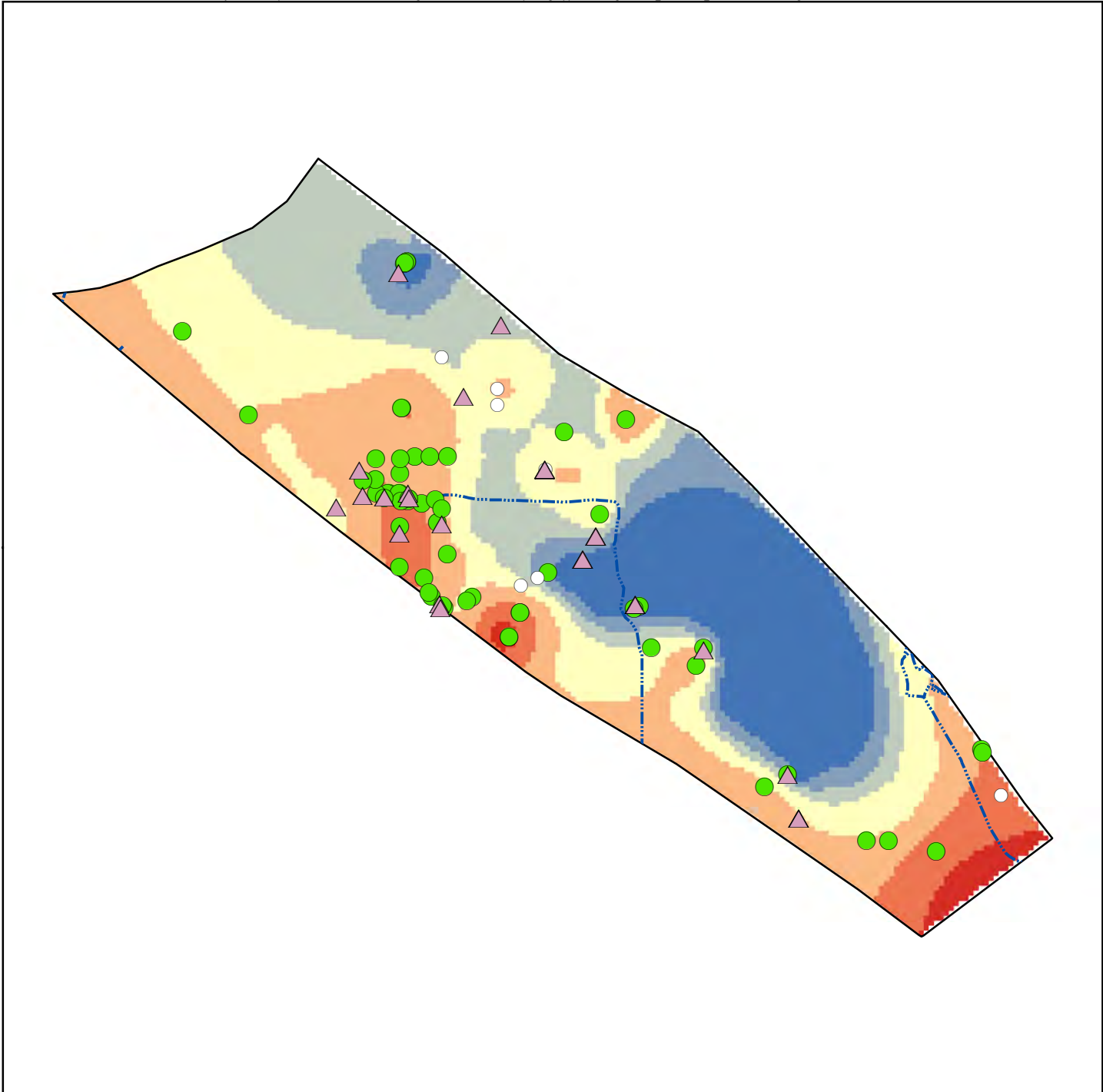
Santa Ana Watershed Project Authority
Basin Monitoring Program Task Force
Groundwater Monitoring Plan

Prepared for:



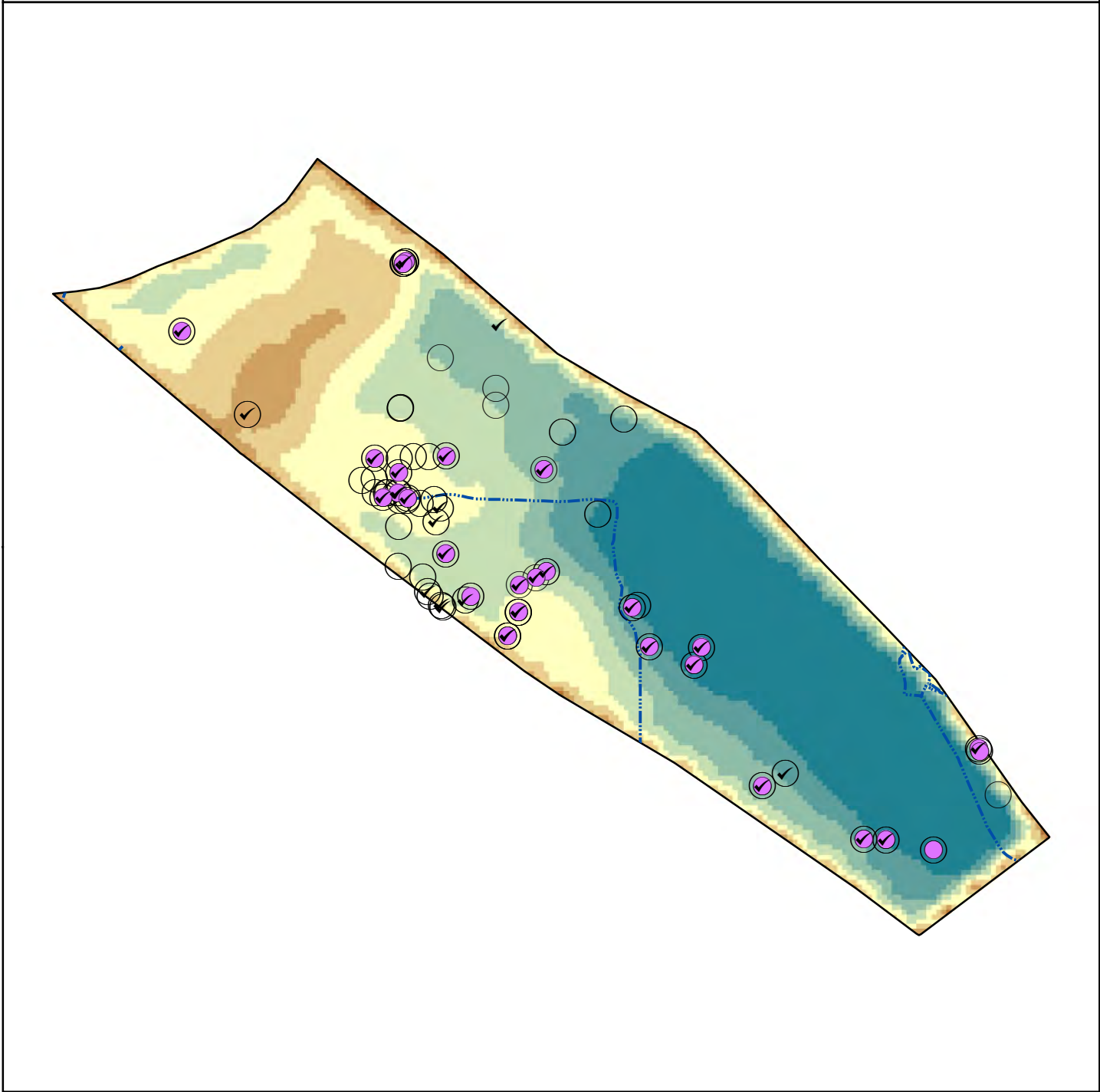
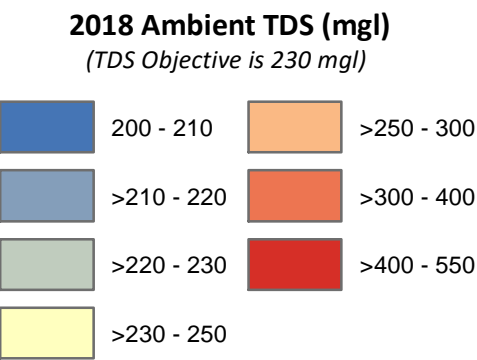
Figure B-14

B15. Rialto Groundwater Management Zone



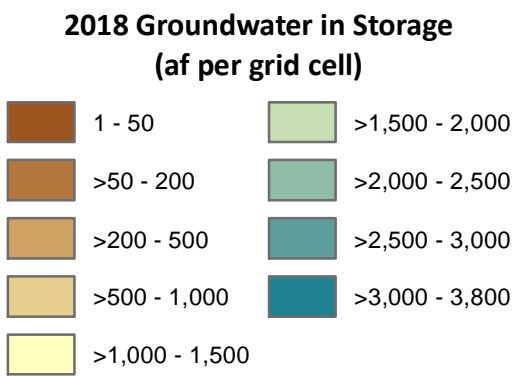
Location of Wells with Point Statistics in the 2018 Ambient Water Quality Computation

- With both TDS and nitrate statistics
- With either TDS or nitrate statistic
- With insufficient data to calculate statistic

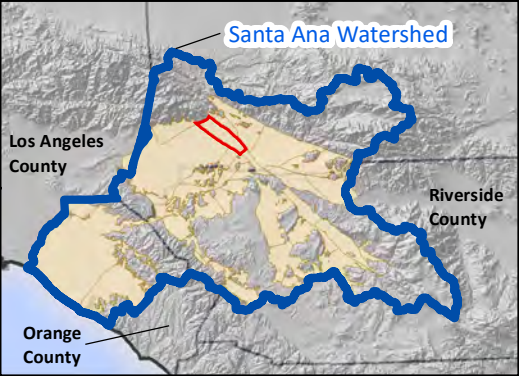


Location of Wells Currently Being Monitored in Relation to 2018 Ambient Point Statistic Locations

- Currently being monitored as of 2022
- With TDS and/or nitrate data within the last three years (2016-2018)
- With TDS and/or nitrate statistic

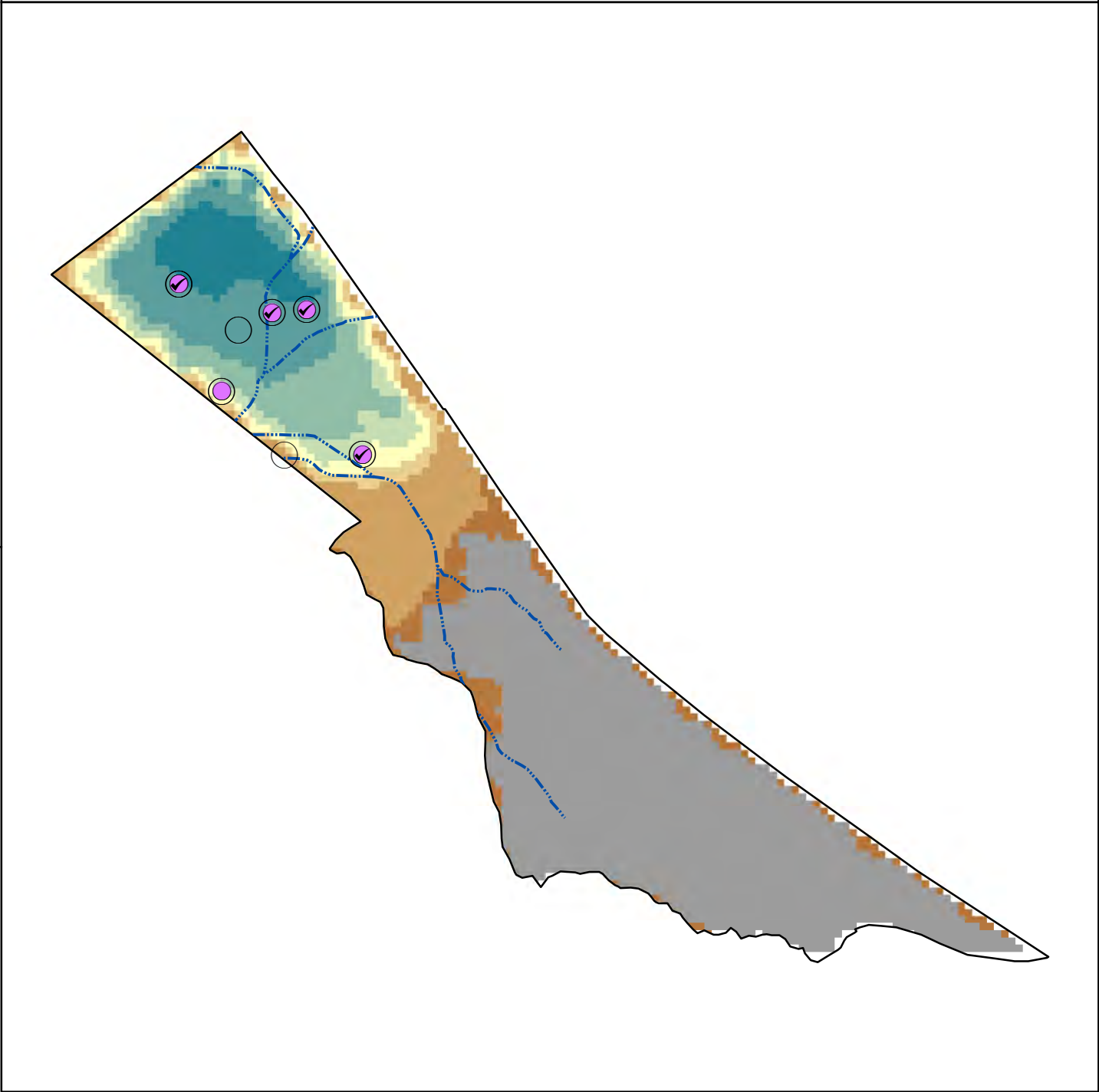
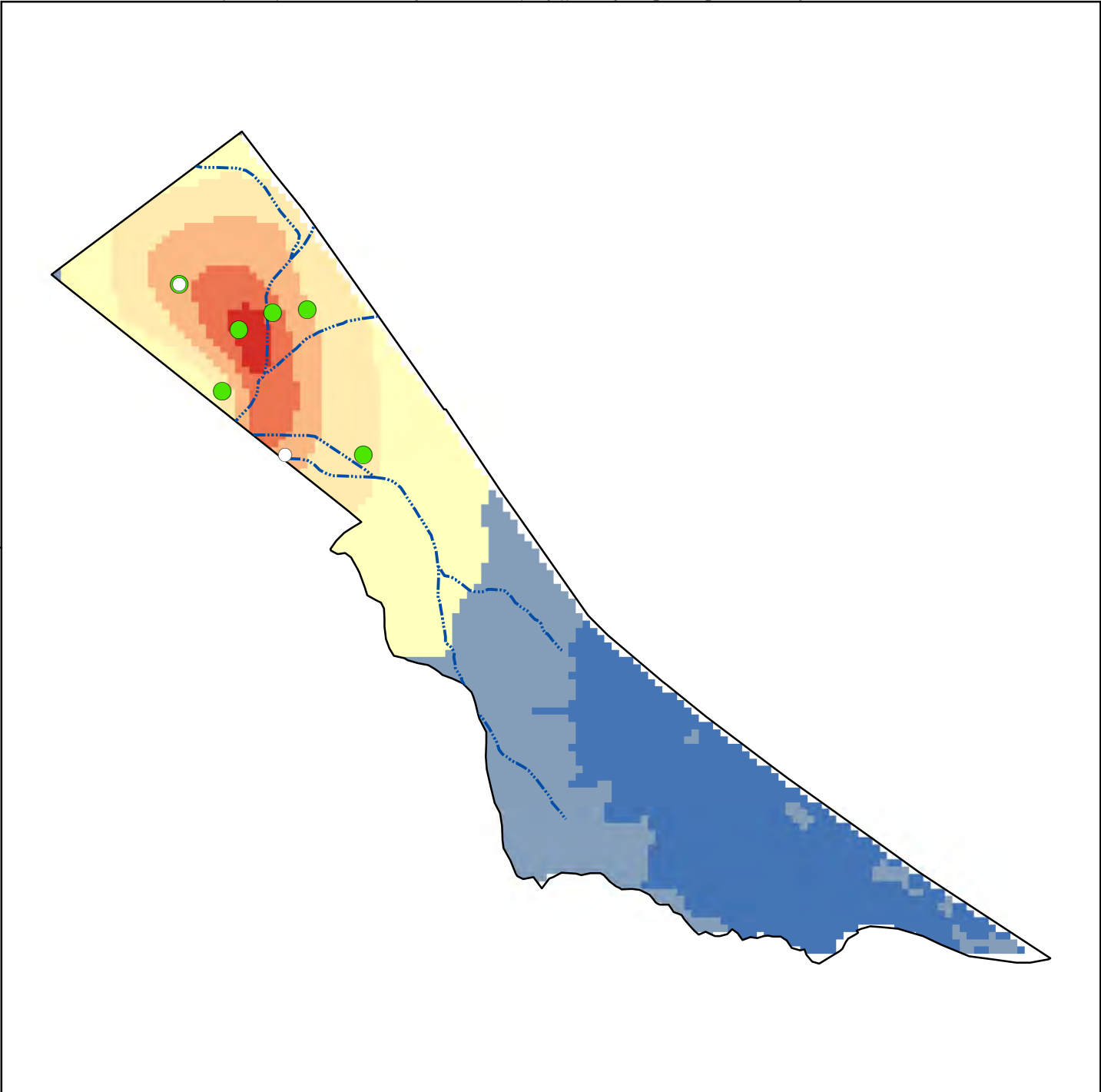


See Figure 1 for other features.



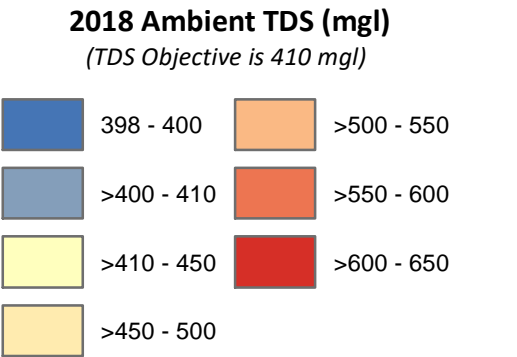
Characterization of Historical and Ongoing Groundwater Monitoring for TDS and Nitrate
Rialto GMZ

B16. Colton Groundwater Management Zone



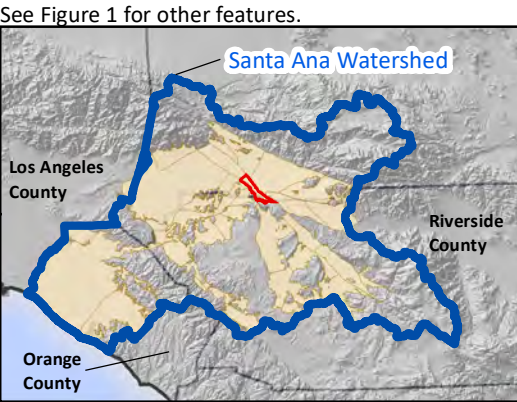
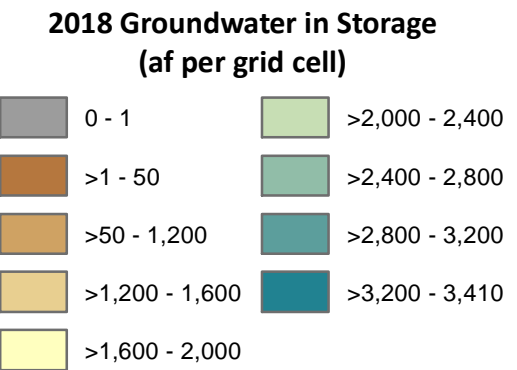
Location of Wells with Point Statistics in the 2018 Ambient Water Quality Computation

- With both TDS and nitrate statistics
- With either TDS or nitrate statistic
- With insufficient data to calculate statistic

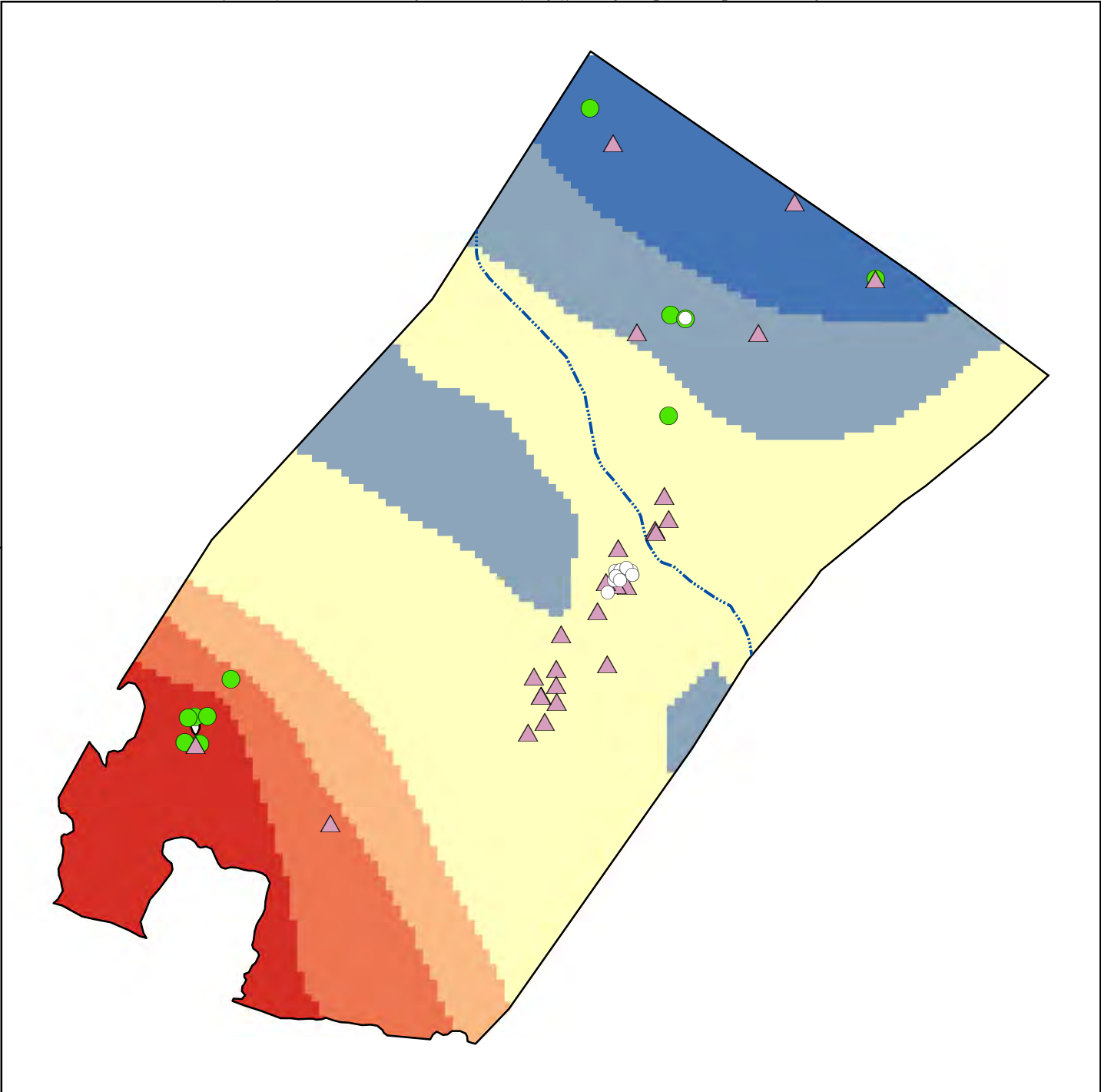


Location of Wells Currently Being Monitored in Relation to 2018 Ambient Point Statistic Locations

- Currently being monitored as of 2022
- With TDS and/or nitrate data within the last three years (2016-2018)
- With TDS and/or nitrate statistic



B17. Riverside B Groundwater Management Zone

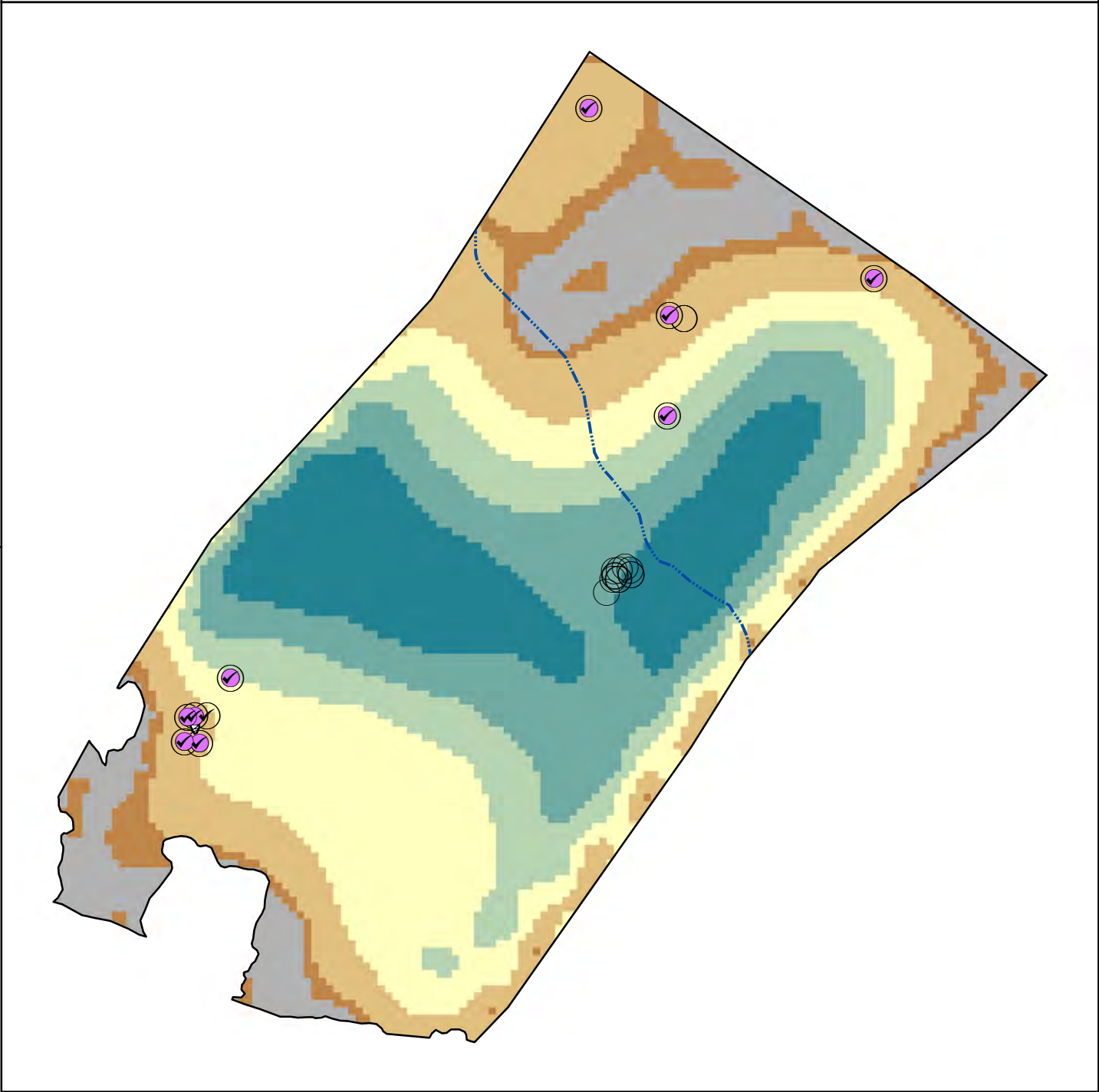


**Location of Wells with Point Statistics
in the 2018 Ambient Water Quality
Computation**

- With both TDS and nitrate statistics
- With either TDS or nitrate statistic
- ▲ With insufficient data to calculate statistic

2018 Ambient TDS (mg/l)
(TDS Objective is 290 mg/l)

200 - 250	>450 - 550
>250 - 290	>550 - 700
>290 - 450	>700 - 890



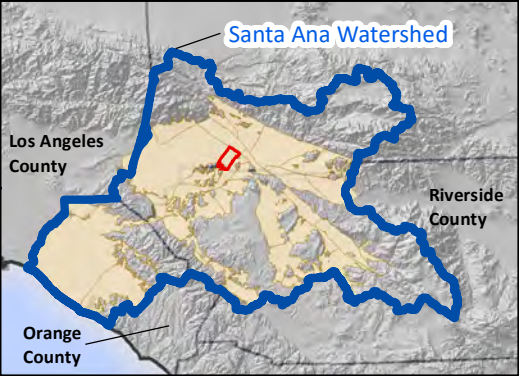
**Location of Wells Currently Being
Monitored in Relation to
2018 Ambient Point Statistic Locations**

- ✓ Currently being monitored as of 2022
- With TDS and/or nitrate data within the last three years (2016-2018)
- With TDS and/or nitrate statistic

**2018 Groundwater in Storage
(af per grid cell)**

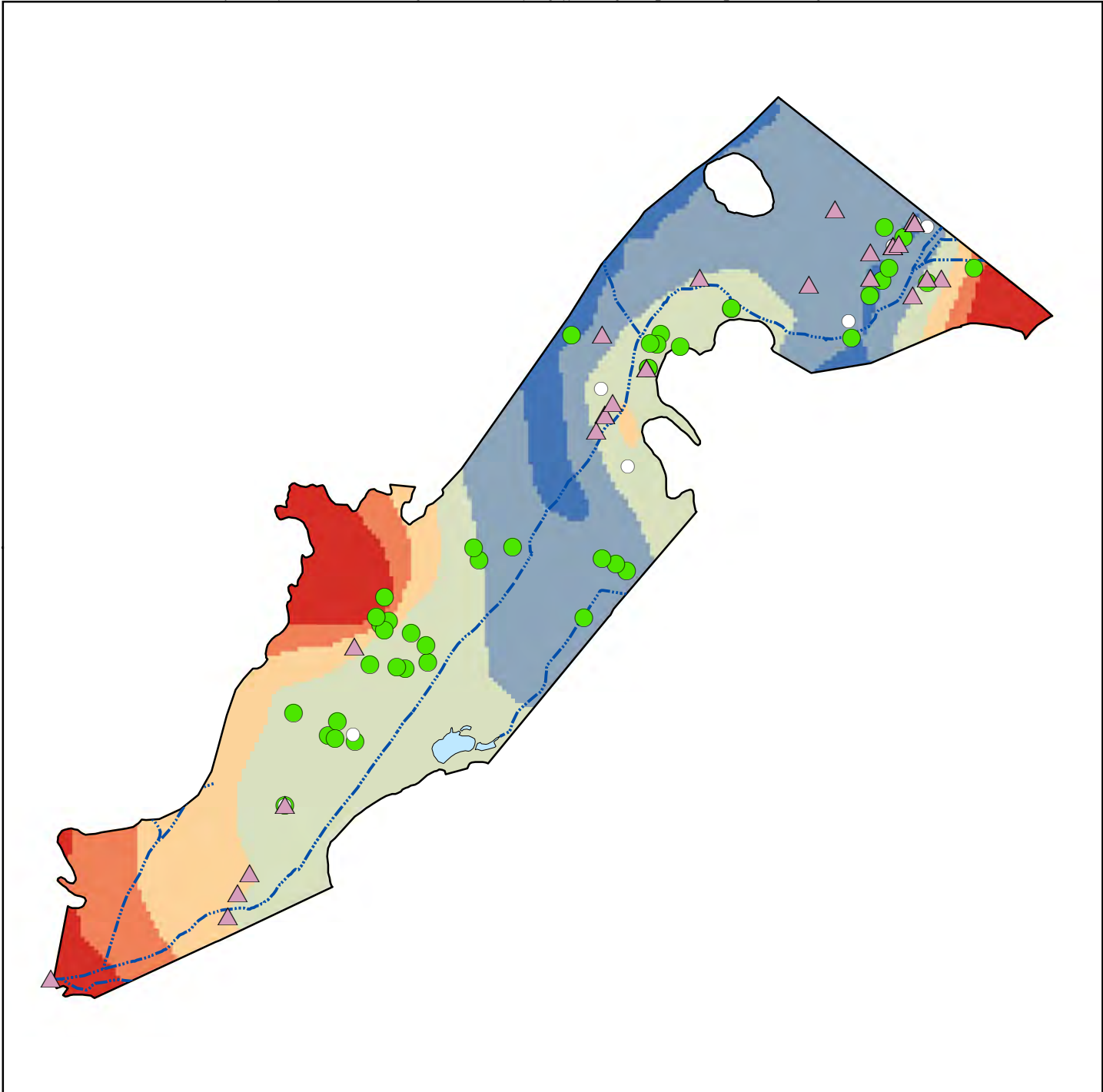
0 - 1	>1,000 - 1,500
>1 - 50	>1,500 - 2,000
>50 - 500	>2,000 - 2,800
>500 - 1,000	

See Figure 1 for other features.



**Characterization of Historical and
Ongoing Groundwater Monitoring for
TDS and Nitrate
Riverside B GMZ**

B18. Riverside A Groundwater Management Zone

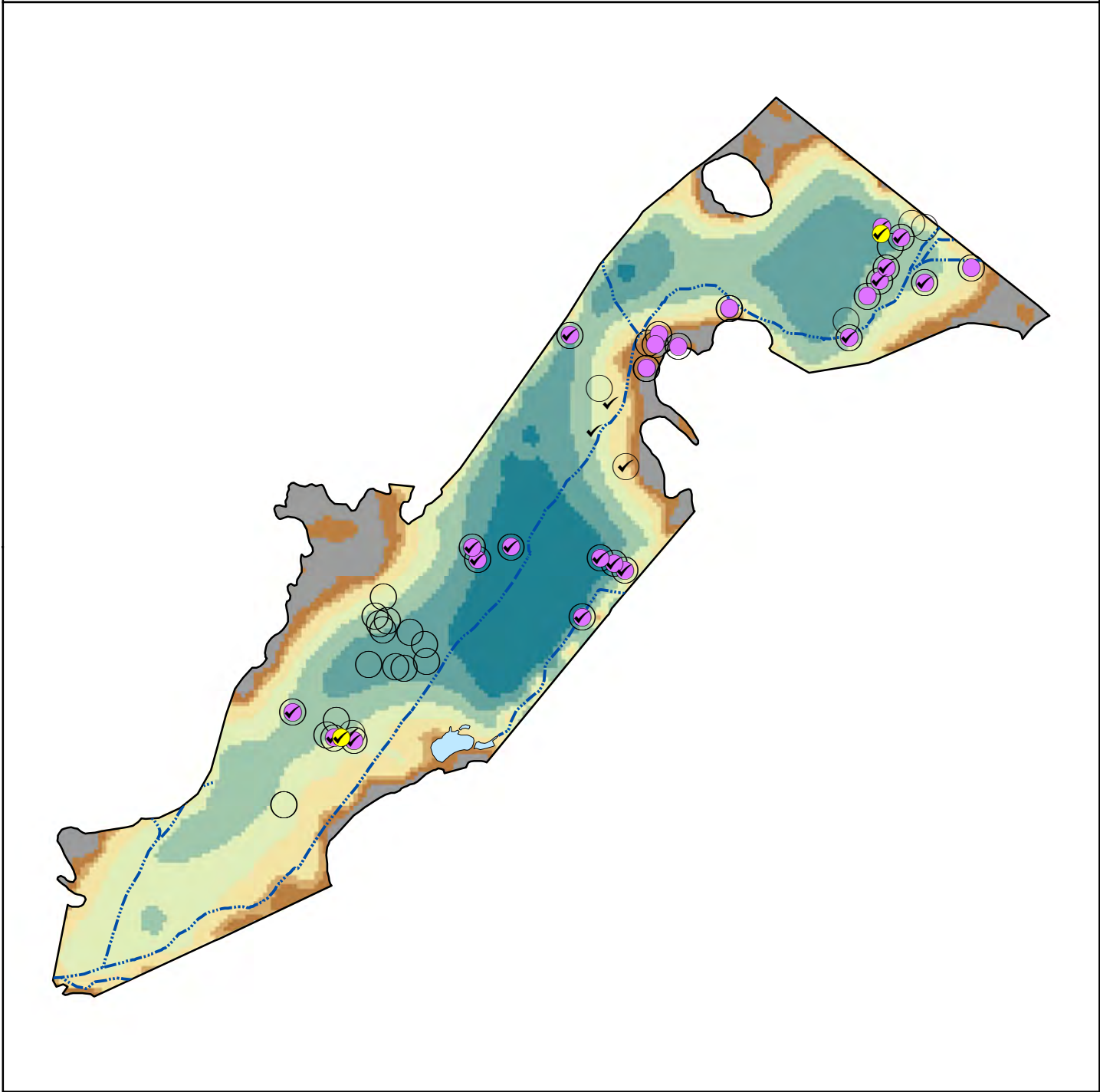


**Location of Wells with Point Statistics
in the 2018 Ambient Water Quality
Computation**

- With both TDS and nitrate statistics
- With either TDS or nitrate statistic
- ▲ With insufficient data to calculate statistic

2018 Ambient TDS (mg/l)
(TDS Objective is 560 mg/l)

266 - 300	>560 - 650
>300 - 450	>650 - 750
>450 - 560	>750 - 890



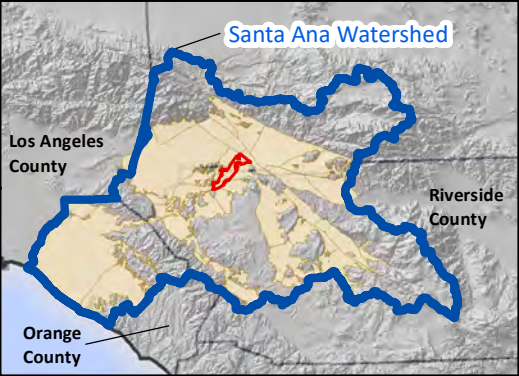
**Location of Wells Currently Being
Monitored in Relation to
2018 Ambient Point Statistic Locations**

- New well
- ✓ Currently being monitored as of 2022
- With TDS and/or nitrate data within the last three years (2016-2018)
- With TDS and/or nitrate statistic

**2018 Groundwater in Storage
(af per grid cell)**

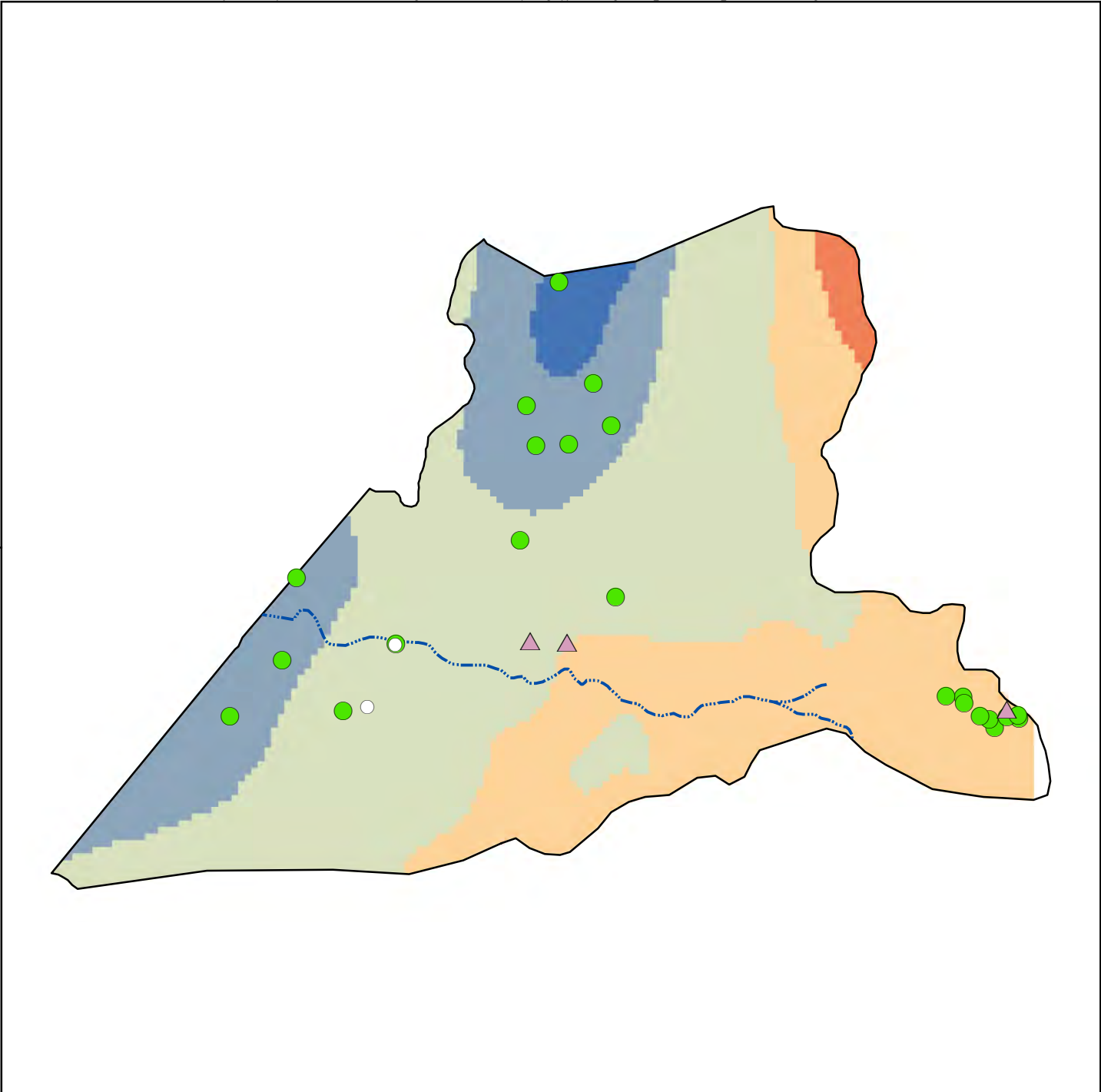
0 - 1	>300 - 600
>1 - 50	>600 - 1,000
>50 - 100	>1,000 - 1,500
>100 - 300	>1,500 - 2,380

See Figure 1 for other features.



**Characterization of Historical and
Ongoing Groundwater Monitoring for
TDS and Nitrate
Riverside A GMZ**

B19. Riverside F Groundwater Management Zone

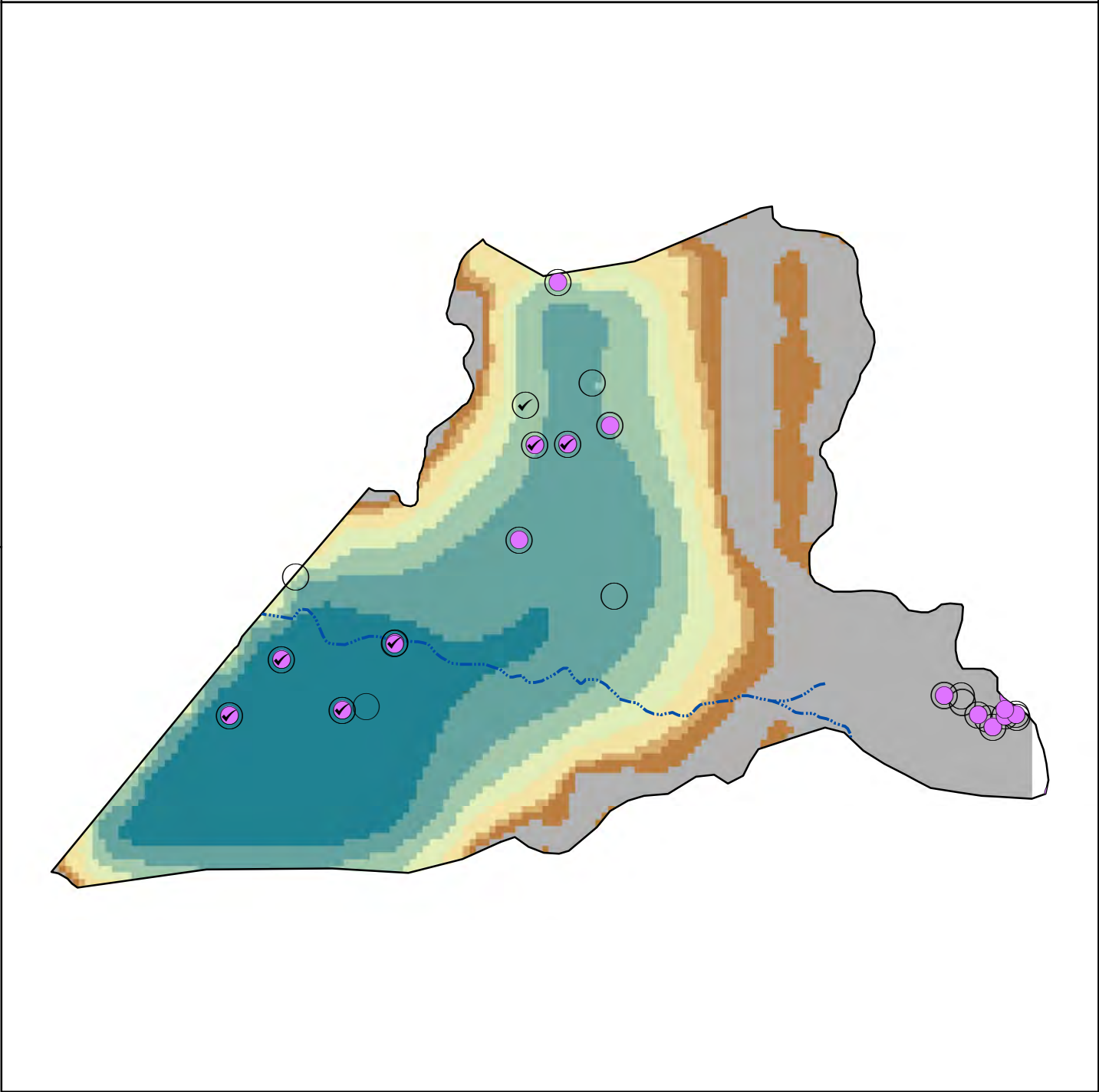


**Location of Wells with Point Statistics
in the 2018 Ambient Water Quality
Computation**

- With both TDS and nitrate statistics
- ▲ With insufficient data to calculate statistic

2018 Ambient TDS (mg/l)
(TDS Objective is 720 mg/l)

244 - 300	>800 - 850
>300 - 500	>720 - 800
>500 - 720	



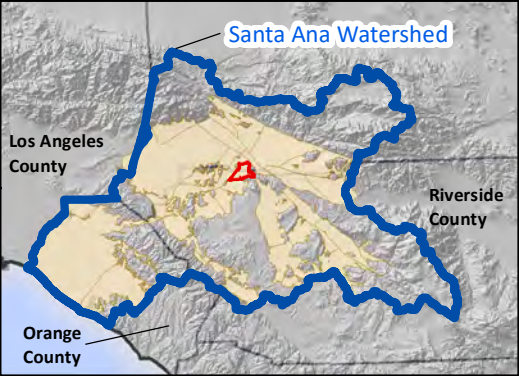
**Location of Wells Currently Being
Monitored in Relation to
2018 Ambient Point Statistic Locations**

- ✓ Currently being monitored as of 2022
- With TDS and/or nitrate data within the last three years (2016-2018)
- With TDS and/or nitrate statistic

**2018 Groundwater in Storage
(af per grid cell)**

0 - 1	>300 - 600
>1 - 50	>600 - 1,000
>50 - 100	>1,000 - 1,500
>100 - 300	>1,500 - 2,390

See Figure 1 for other features.



**Characterization of Historical and
Ongoing Groundwater Monitoring for
TDS and Nitrate
Riverside F GMZ**

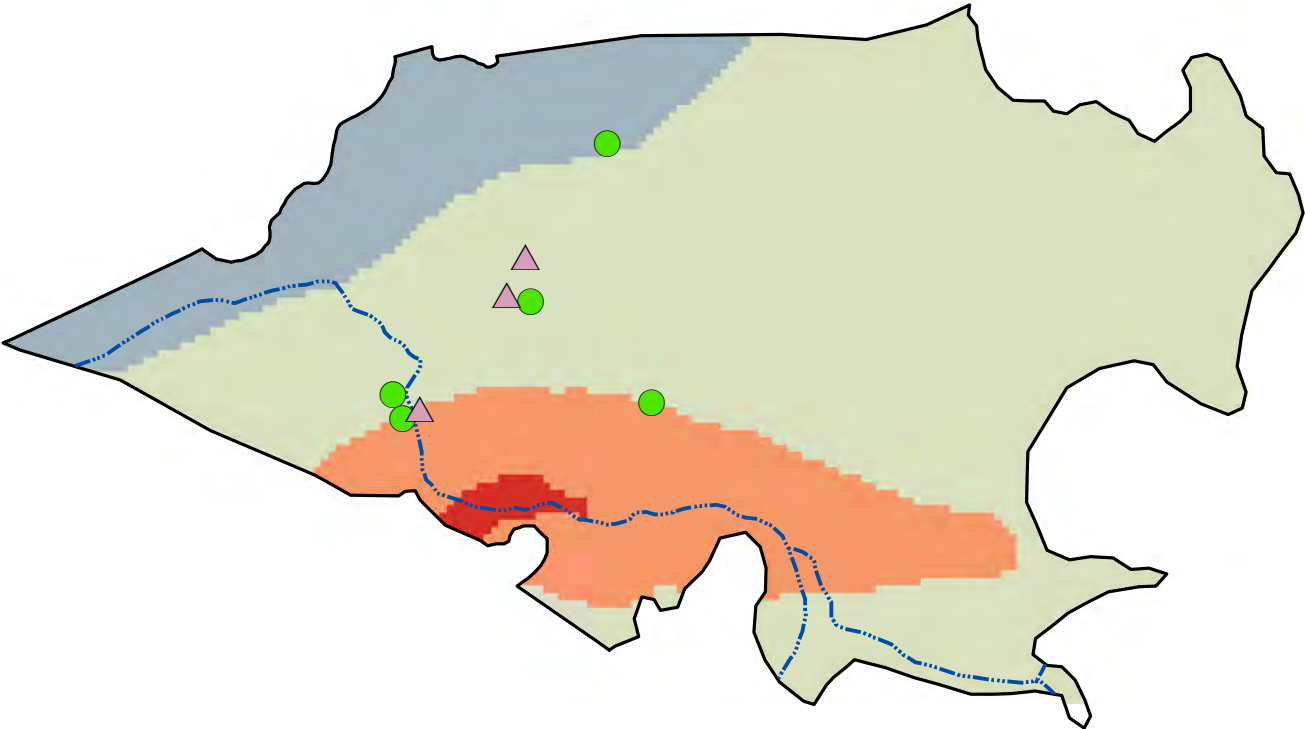
B20. Riverside E Groundwater Management Zone

Location of Wells with Point Statistics
in the 2018 Ambient Water Quality
Computation

- With both TDS and nitrate statistics
- ▲ With insufficient data to calculate statistic

2018 Ambient TDS (mg/l)
(TDS Objective is 810 mg/l)

204 - 500	> 810 - 900
> 500 - 610	> 900 - 910
> 610 - 810	

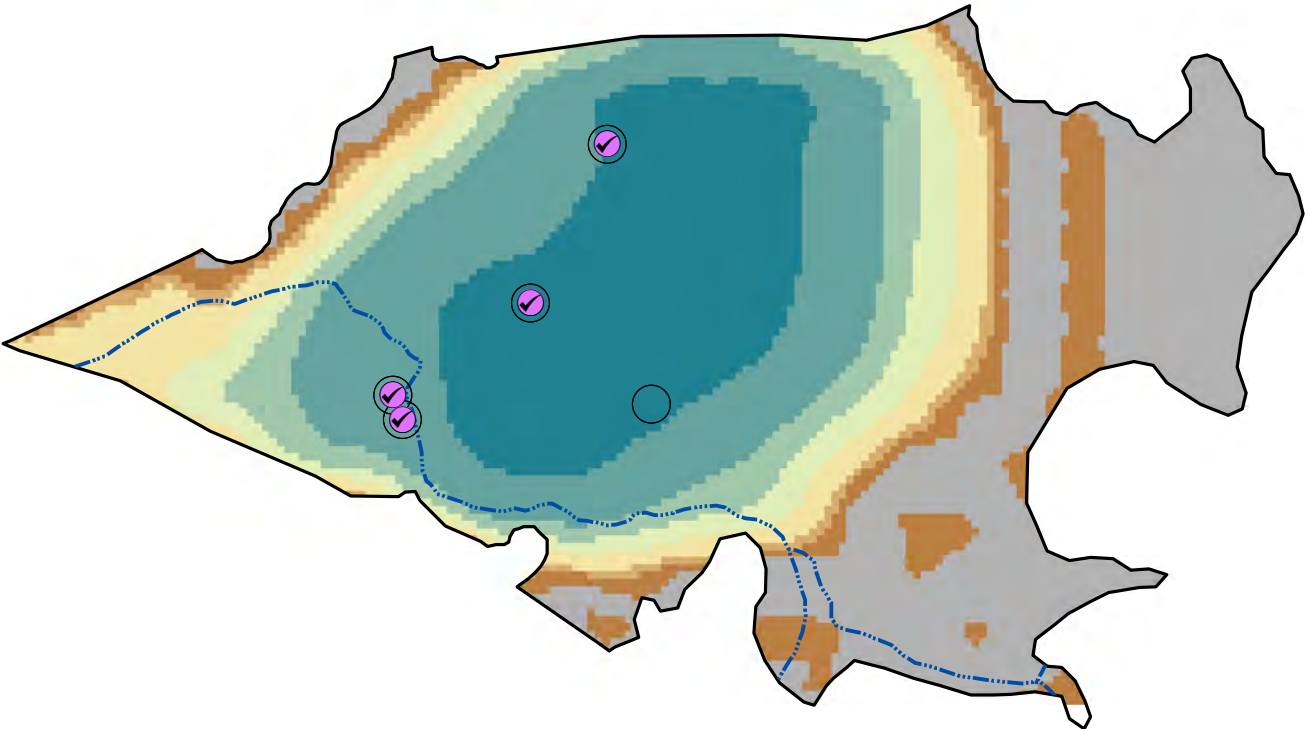


Location of Wells Currently Being
Monitored in Relation to
2018 Ambient Point Statistic Locations

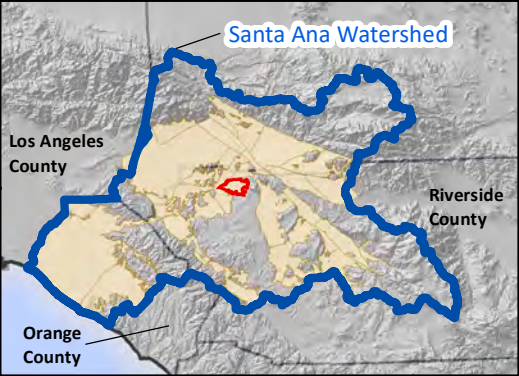
- ✓ Currently being monitored as of 2022
- With TDS and/or nitrate data within the last three years (2016-2018)
- With TDS and/or nitrate statistic

2018 Groundwater in Storage
(af per grid cell)

0 - 1	> 300 - 600
> 1 - 50	> 600 - 1,000
> 50 - 100	> 1,000 - 2,000
> 100 - 300	> 2,000 - 2,800



See Figure 1 for other features.

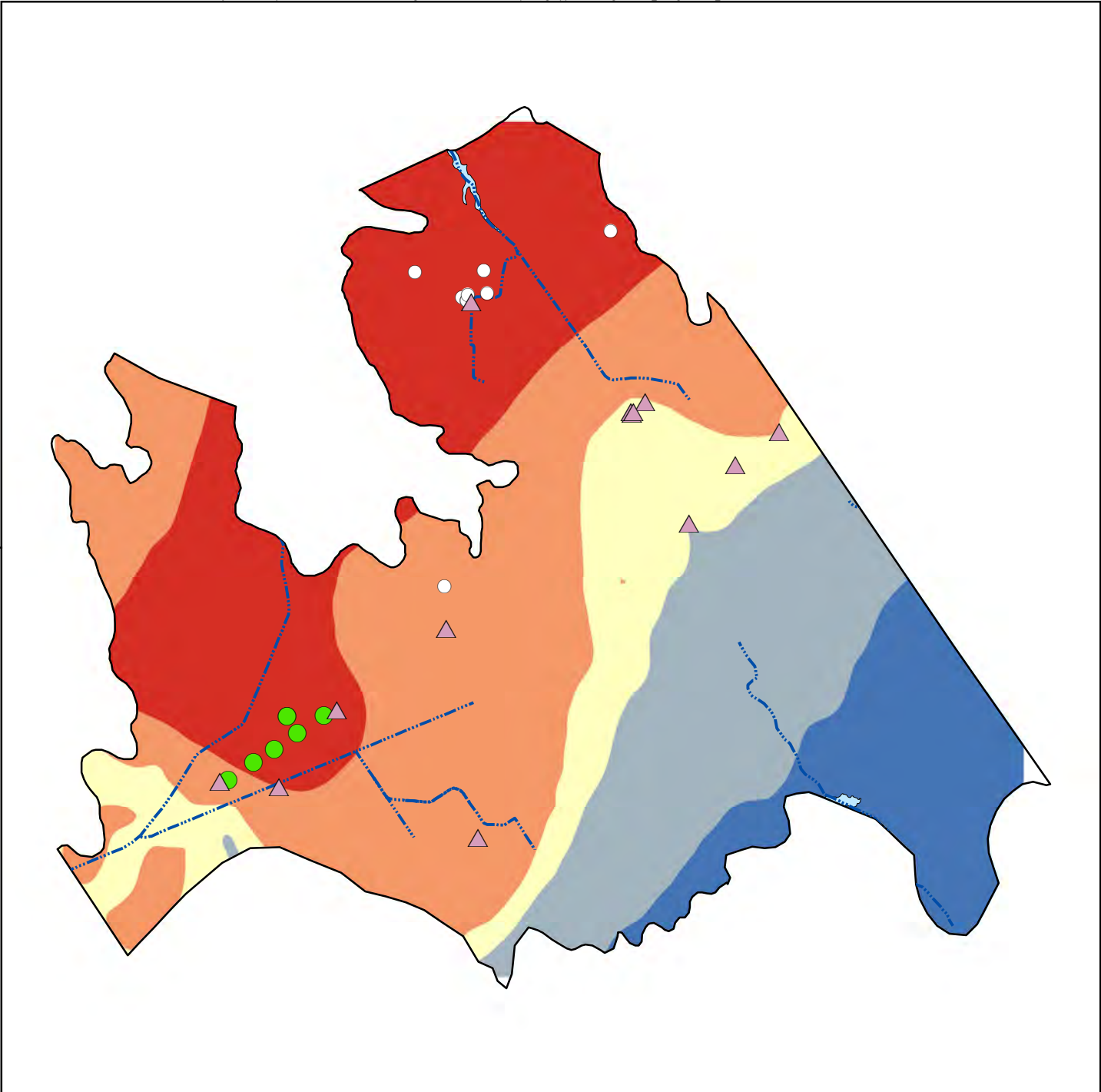


Characterization of Historical and
Ongoing Groundwater Monitoring for
TDS and Nitrate
Riverside E GMZ

B21. Riverside D Groundwater Management Zone

(There was insufficient data to compute ambient water quality and storage of Riverside D GMZ. This page is intentionally left blank.)

B22. Arlington Groundwater Management Zone

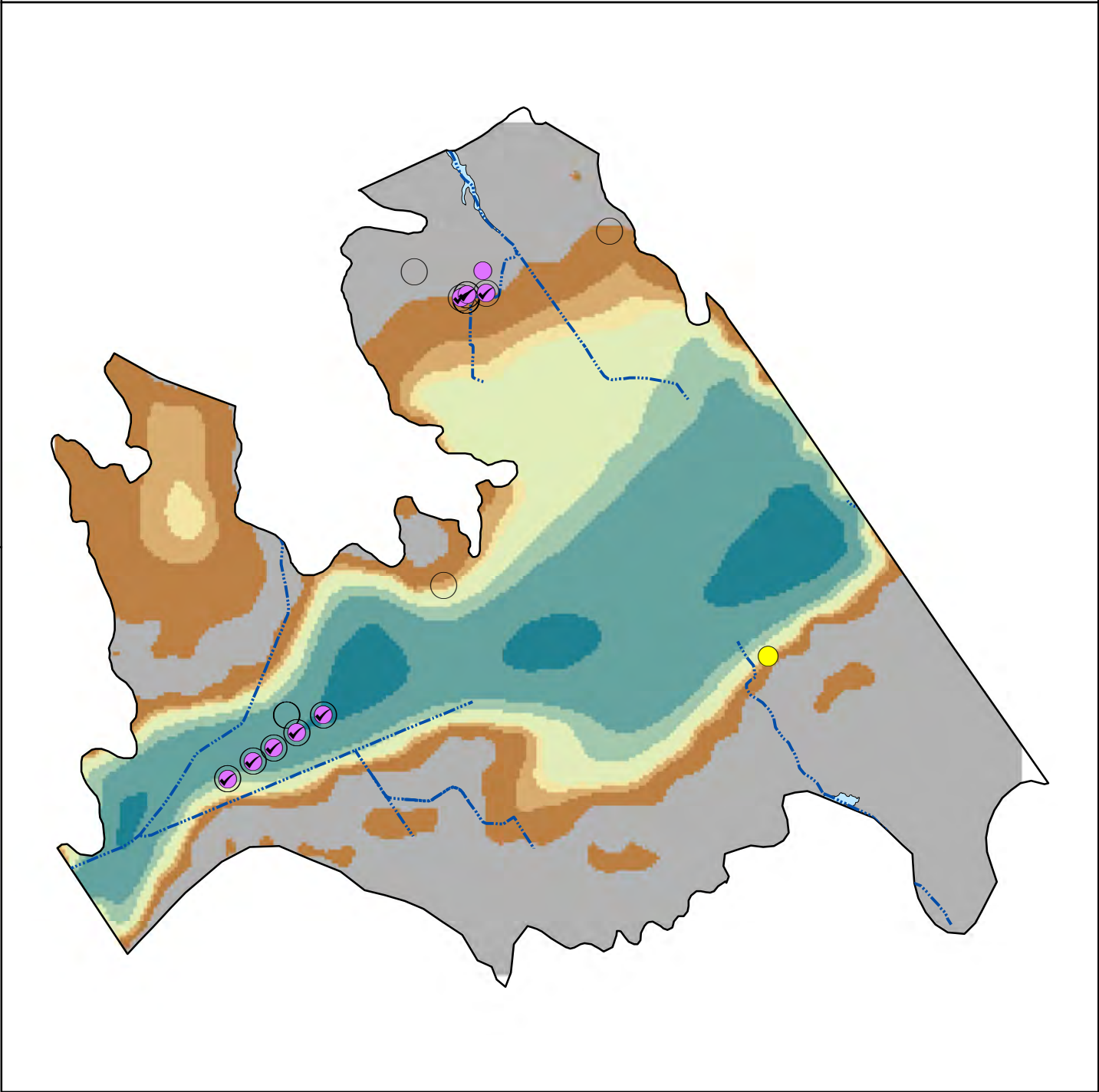


Location of Wells with Point Statistics in the 2018 Ambient Water Quality Computation

- With both TDS and nitrate statistics
- With either TDS or nitrate statistic
- ▲ With insufficient data to calculate statistic

2018 Ambient TDS (mg/l)
(TDS Objective is 980 mg/l)

794 - 880	> 1,000 - 1,100
> 880 - 980	> 1,100 - 1,200
> 980 - 1,000	



Location of Wells Currently Being Monitored in Relation to 2018 Ambient Point Statistic Locations

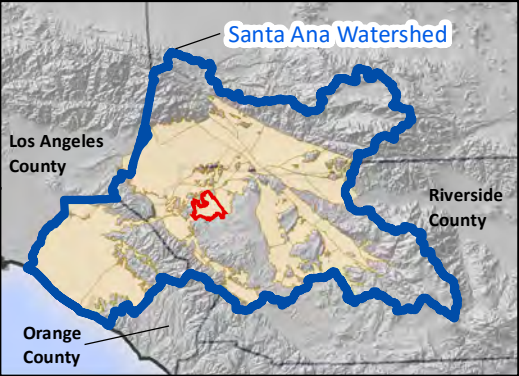
- New well*
- ✓ Currently being monitored as of 2022
- With TDS and/or nitrate data within the last three years (2016-2018)
- With TDS and/or nitrate statistic

*Note: Wells are still under construction.

2018 Groundwater in Storage (af per grid cell)

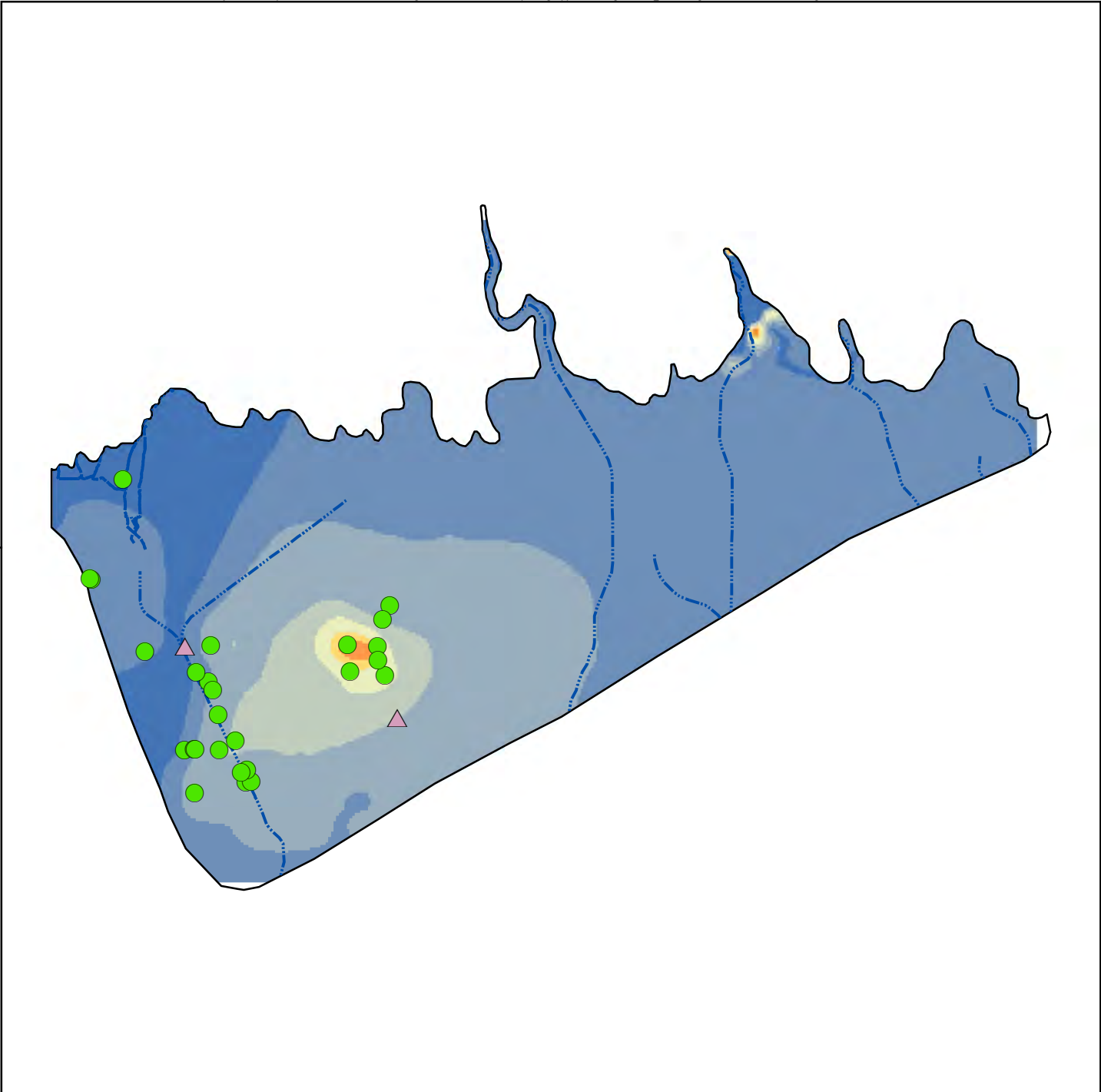
0 - 1	>100 - 200
>1 - 50	>200 - 300
>50 - 80	>300 - 600
>80 - 100	>600 - 900

See Figure 1 for other features.



Characterization of Historical and Ongoing Groundwater Monitoring for TDS and Nitrate
Arlington GMZ

B23. Cucamonga Groundwater Management Zone

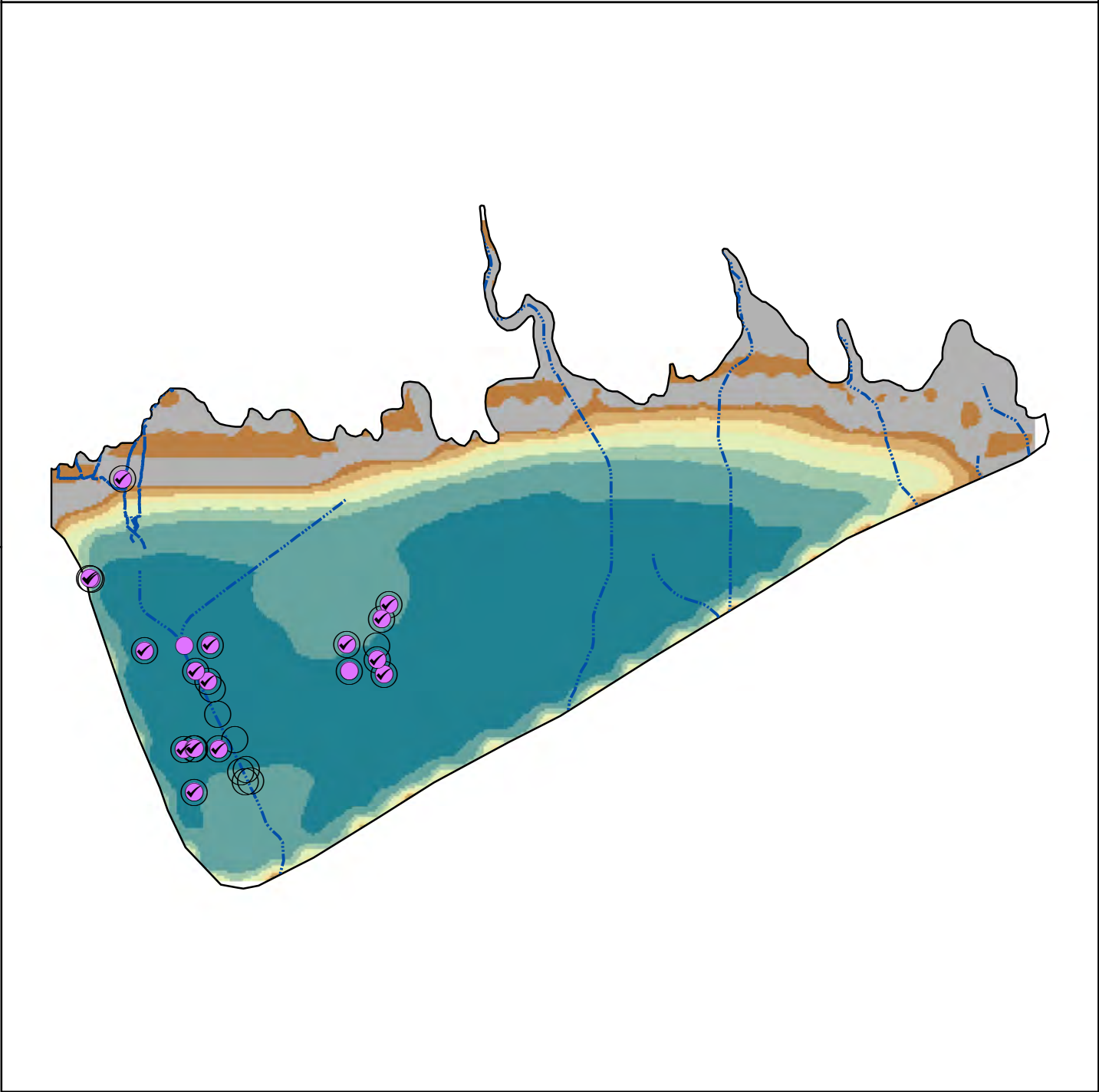


**Location of Wells with Point Statistics
in the 2018 Ambient Water Quality
Computation**

- With both TDS and nitrate statistics
- ▲ With insufficient data to calculate statistic

2018 Ambient TDS (mg/l)
(TDS Objective is 380 mg/l)

180 - 220	>340 - 380
>220 - 260	>380 - 400
>260 - 300	>400 - 410
>300 - 340	



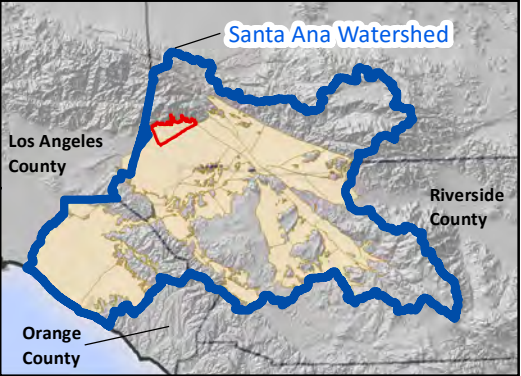
**Location of Wells Currently Being
Monitored in Relation to
2018 Ambient Point Statistic Locations**

- ✓ Currently being monitored as of 2022
- With TDS and/or nitrate data within the last three years (2016-2018)
- With TDS and/or nitrate statistic

**2018 Groundwater in Storage
(af per grid cell)**

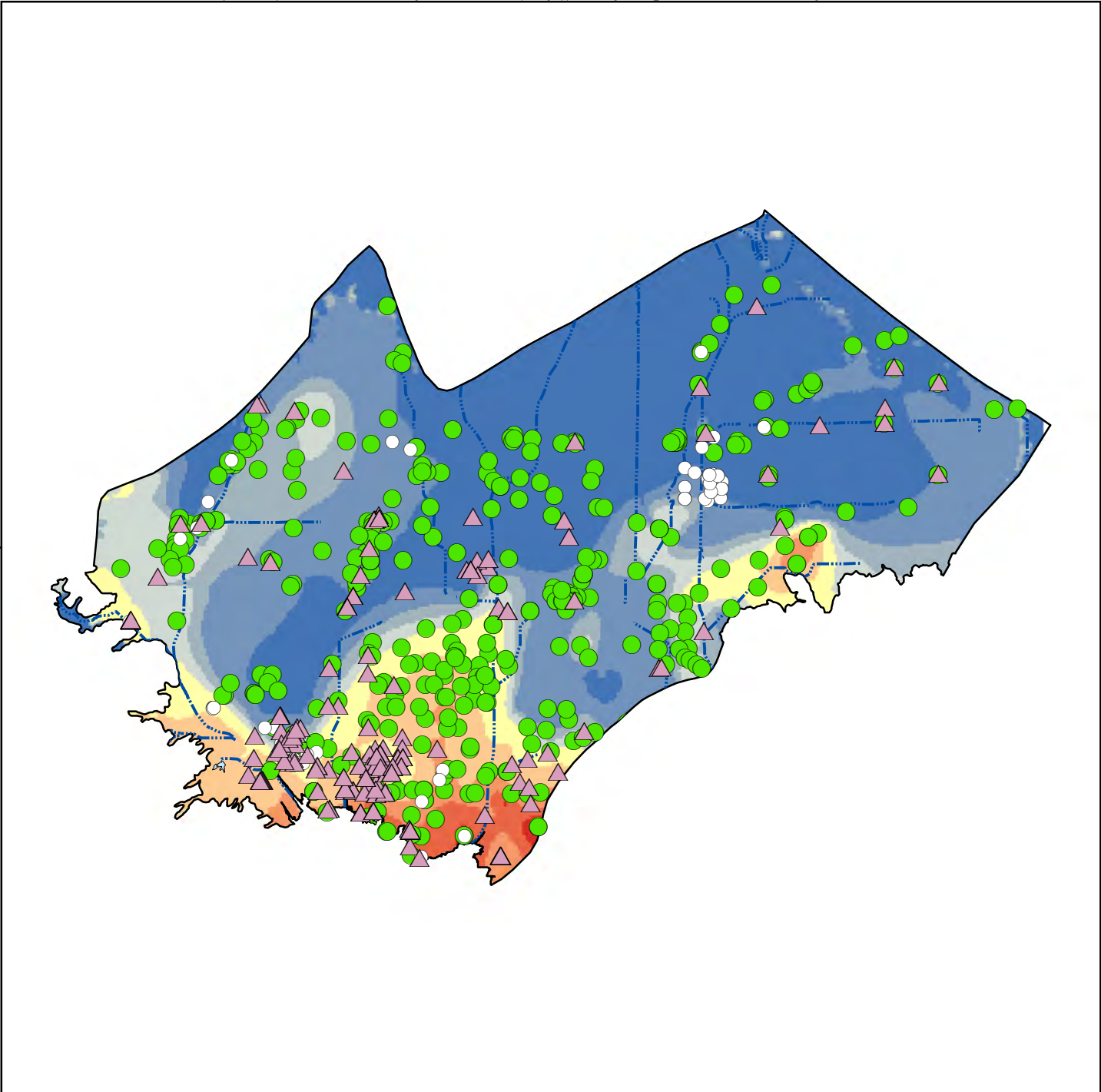
0 - 1	>400 - 800
>1 - 50	>800 - 1,200
>50 - 200	>1,200 - 2,000
>200 - 400	>2,000 - 3,060

See Figure 1 for other features.



**Characterization of Historical and
Ongoing Groundwater Monitoring for
TDS and Nitrate
Cucamonga GMZ**

B24. Chino North Groundwater Management Zone

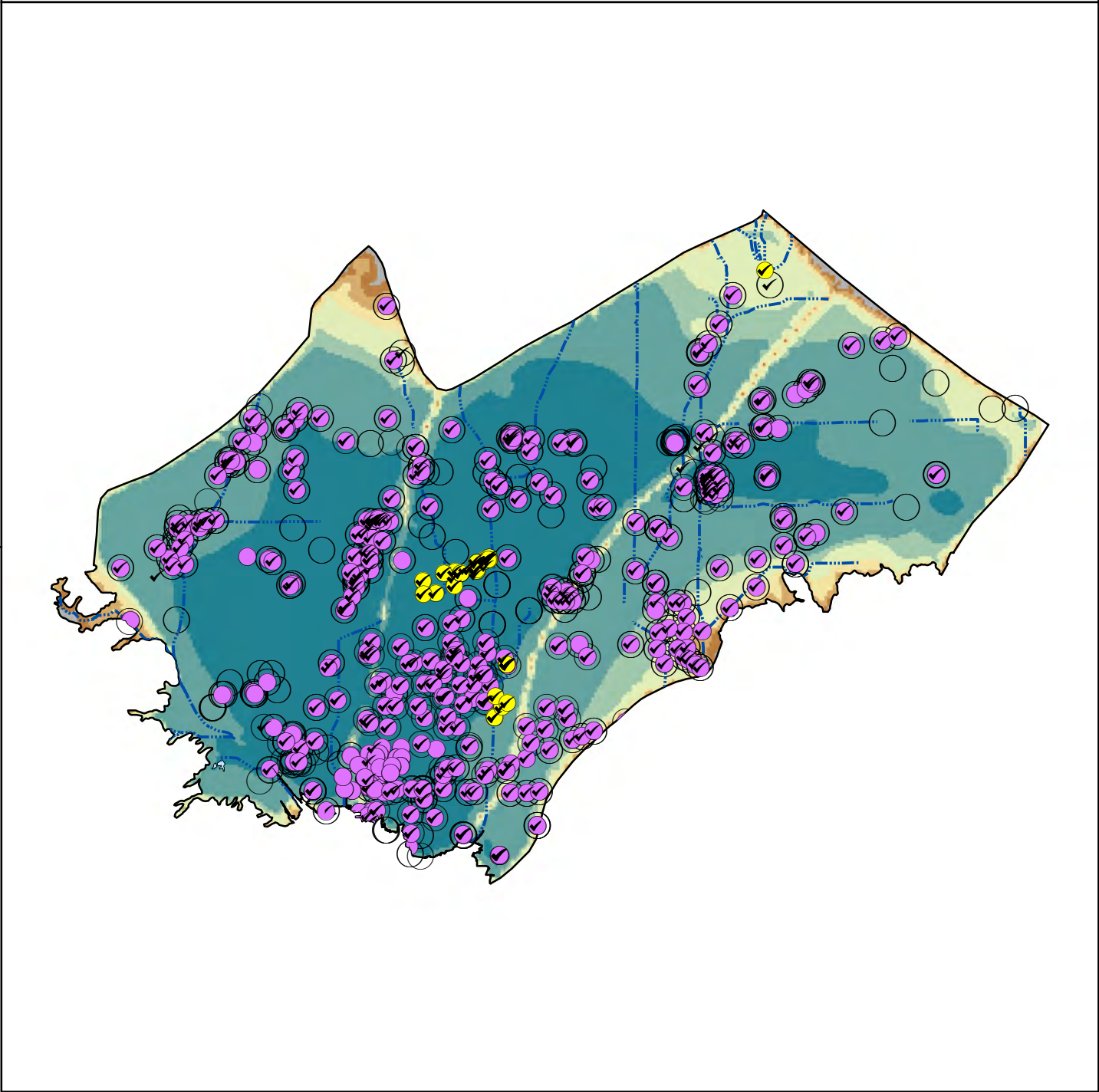


Location of Wells with Point Statistics
in the 2018 Ambient Water Quality
Computation

- With both TDS and nitrate statistics
- With either TDS or nitrate statistic
- With insufficient data to calculate statistic

2018 Volume-weighted
Ambient TDS (mg/l)
(TDS Objective is 420 mg/l)

200 - 250	>600 - 800
>250 - 300	>800 - 1,000
>300 - 350	>1,000 - 1,200
>350 - 420	>1,200 - 1,450
>420 - 600	



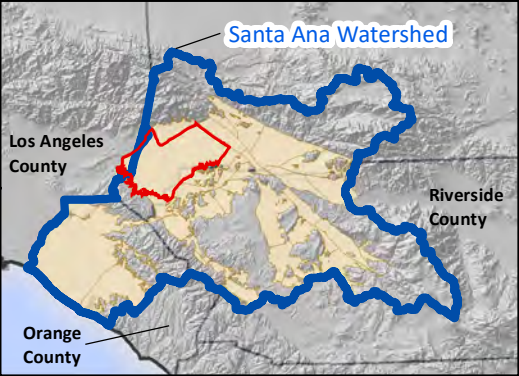
Location of Wells Currently Being
Monitored in Relation to
2018 Ambient Point Statistic Locations

- New Well
- Currently being monitored as of 2022
- With TDS and/or nitrate data within the last three years (2016-2018)
- With TDS and/or nitrate statistic

2018 Groundwater in Storage
(af per grid cell)

0 - 1	>400 - 800
>1 - 50	>800 - 1,000
>50 - 200	>1000 - 2,000
>200 - 400	>2000 - 4,245

See Figure 1 for other features.



Characterization of Historical and
Ongoing Groundwater Monitoring for
TDS and Nitrate
Chino-North GMZ

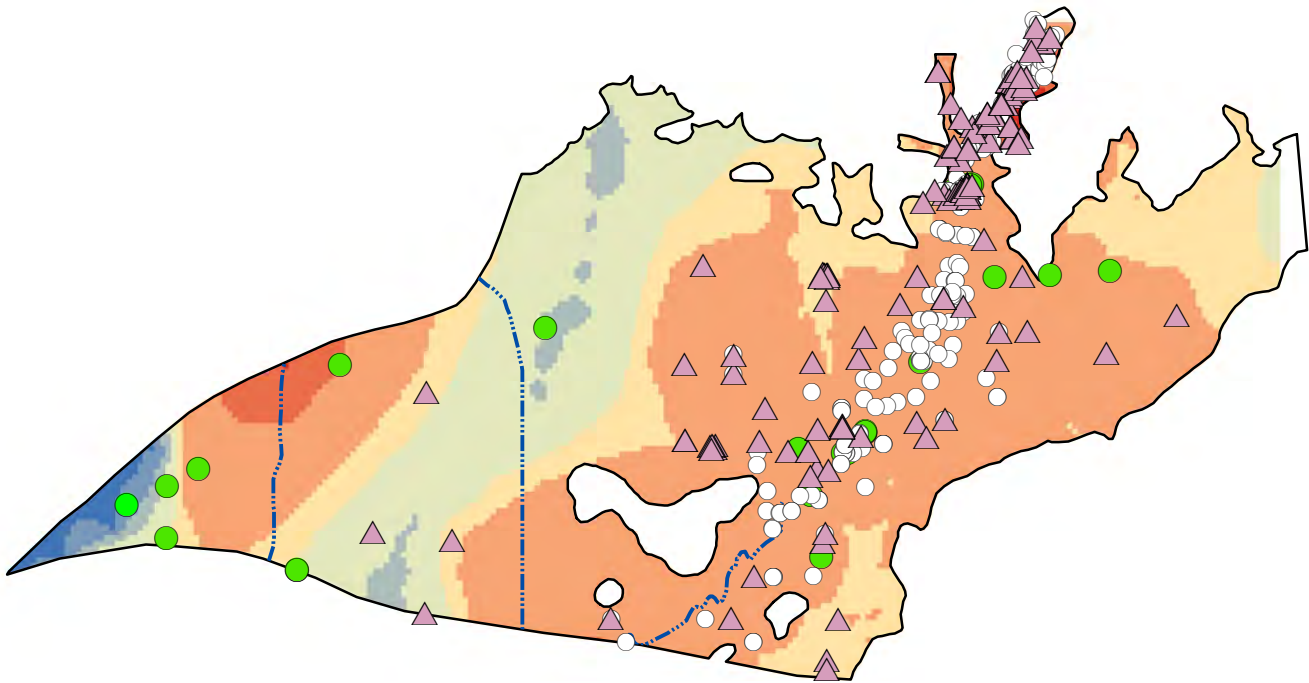
B25. Chino East Groundwater Management Zone

Location of Wells with Point Statistics in the 2018 Ambient Water Quality Computation

- With both TDS and nitrate statistics
- With either TDS or nitrate statistic
- ▲ With insufficient data to calculate statistic

2018 Ambient TDS (mg/l)
(TDS Objective is 730 mg/l)

370 - 400	>730 - 800
>400 - 500	>800 - 1,200
>500 - 600	>1,200 - 2,000
>600 - 730	>2,000 - 4,500

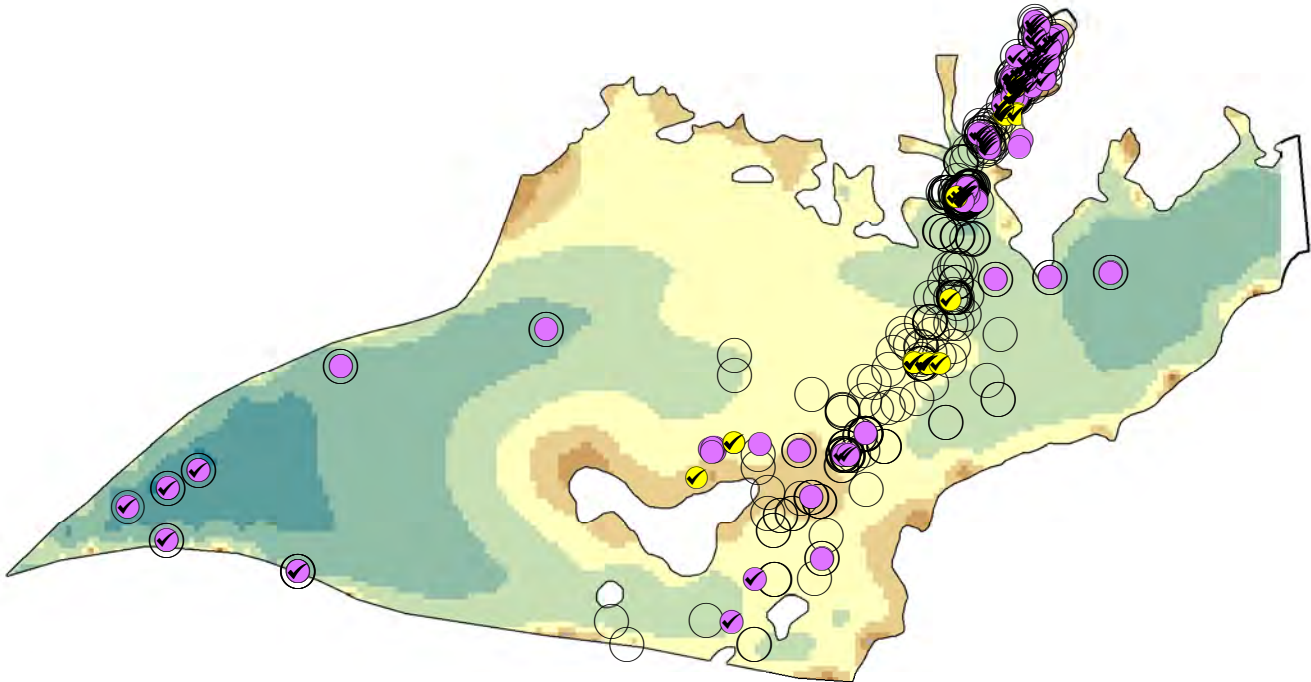


Location of Wells Currently Being Monitored in Relation to 2018 Ambient Point Statistic Locations

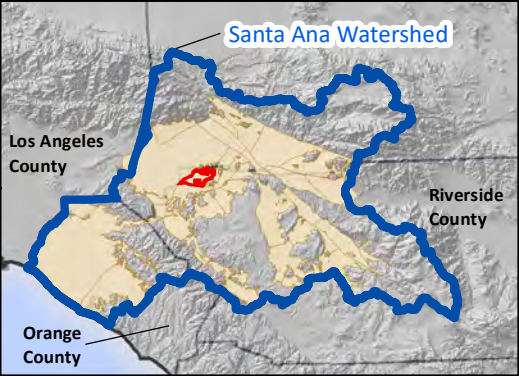
- New well
- ✓ Currently being monitored as of 2022
- With TDS and/or nitrate data within the last three years (2016-2018)
- With TDS and/or nitrate statistic

2018 Groundwater in Storage (af per grid cell)

0 - 1	>200 - 400
>1 - 10	>400 - 800
>10 - 50	>800 - 1,000
>50 - 100	>1000 - 2,200
>100 - 200	

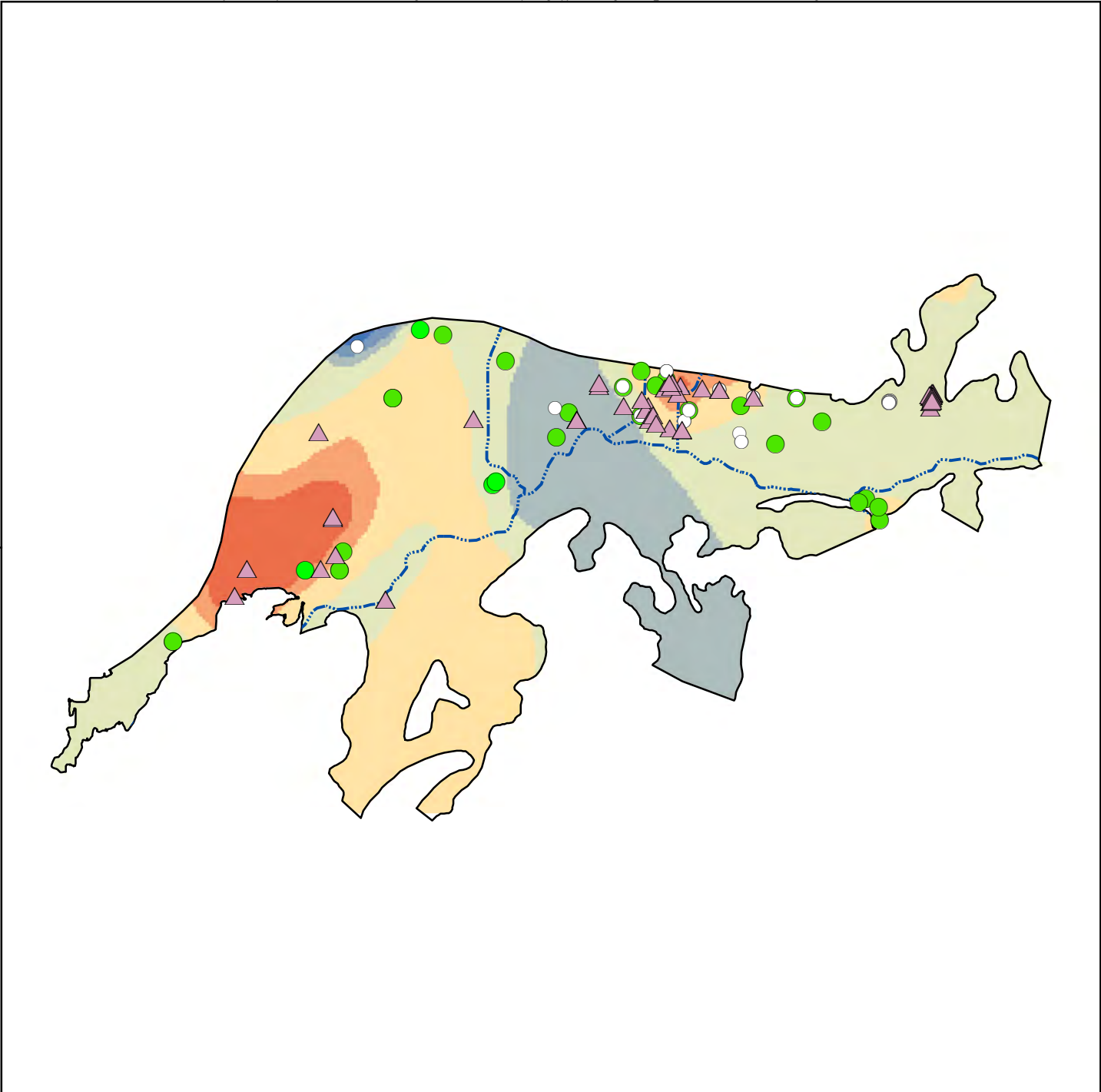


See Figure 1 for other features.



Characterization of Historical and Ongoing Groundwater Monitoring for TDS and Nitrate
Chino-East GMZ

B26. Chino South Groundwater Management Zone

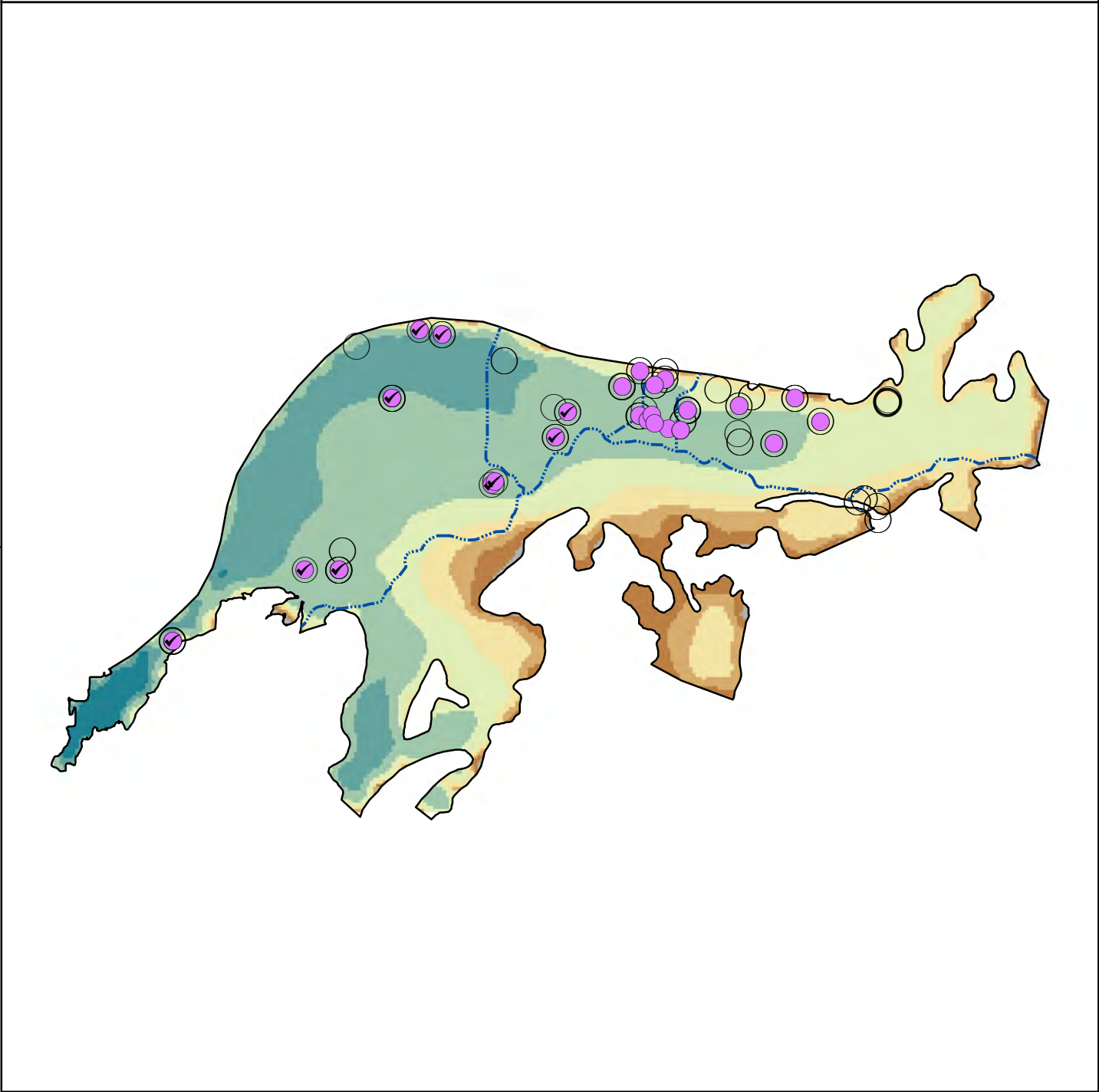


Location of Wells with Point Statistics in the 2018 Ambient Water Quality Computation

- With both TDS and nitrate statistics
- With either TDS or nitrate statistic
- ▲ With insufficient data to calculate statistic

2018 Ambient TDS (mg/l)
(TDS Objective is 680 mg/l)

337 - 400	>900 - 1,100
>400 - 550	>1,100 - 1,300
>550 - 680	>1,300 - 1,600
>680 - 900	>1,600 - 4,738

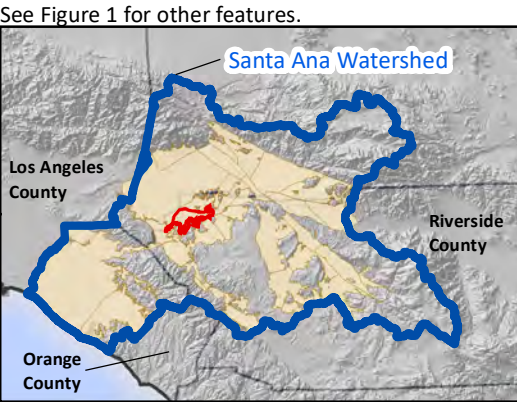


Location of Wells Currently Being Monitored in Relation to 2018 Ambient Point Statistic Locations

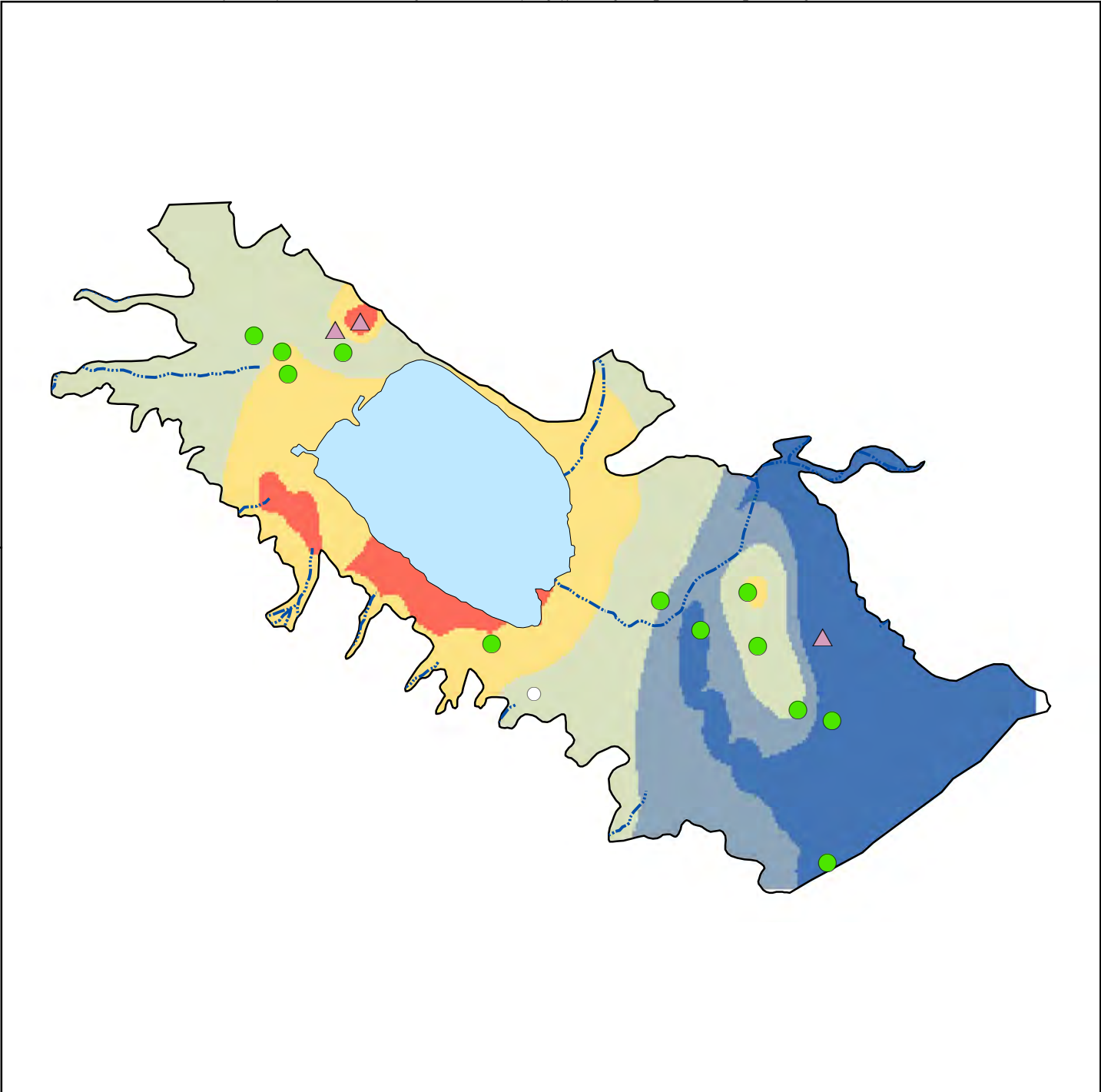
- ✓ Currently being monitored as of 2022
- With TDS and/or nitrate data within the last three years (2016-2018)
- With TDS and/or nitrate statistic

2018 Groundwater in Storage
(af per grid cell)

0 - 1	>200 - 400
>1 - 50	>400 - 800
>50 - 100	>800 - 1,200
>100 - 200	>1,200 - 2,268



B27. Elsinore Groundwater Management Zone



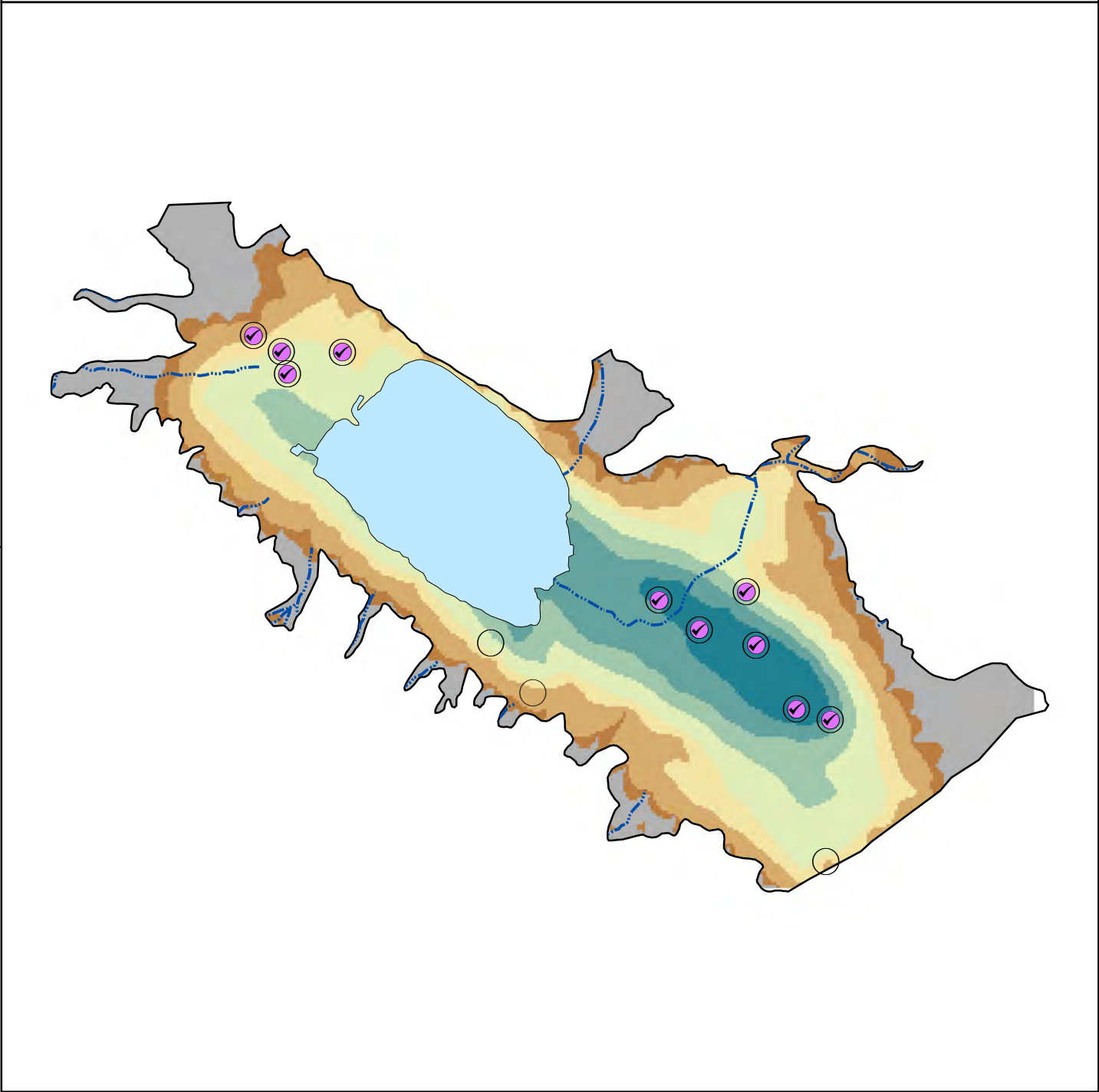
Location of Wells with Point Statistics
in the 2018 Ambient Water Quality
Computation

- With both TDS and nitrate statistics
- With either TDS or nitrate statistic
- ▲ With insufficient data to calculate statistic

2018 Ambient TDS (mg/l)
(TDS Objective* is 530 mg/l)

240 - 400	>530 - 550
>400 - 450	>550 - 575
>450 - 530	

*Note: The maximum benefit SNMP for the Elsinore GMZ was approved by the Regional Board in December 2021.



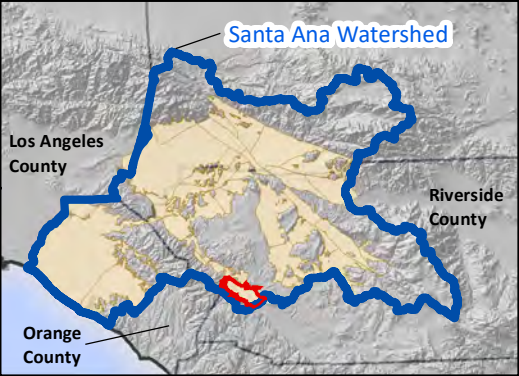
Location of Wells Currently Being
Monitored in Relation to
2018 Ambient Point Statistic Locations

- ✓ Currently being monitored as of 2022
- With TDS and/or nitrate data within the last three years (2016-2018)
- With TDS and/or nitrate statistic

2018 Groundwater in Storage
(af per grid cell)

0 - 1	>1,000 - 2,000
>1 - 50	>2,000 - 3,000
>50 - 500	>3,000 - 4,000
>500 - 1,000	>4,000 - 5,700

See Figure 1 for other features.

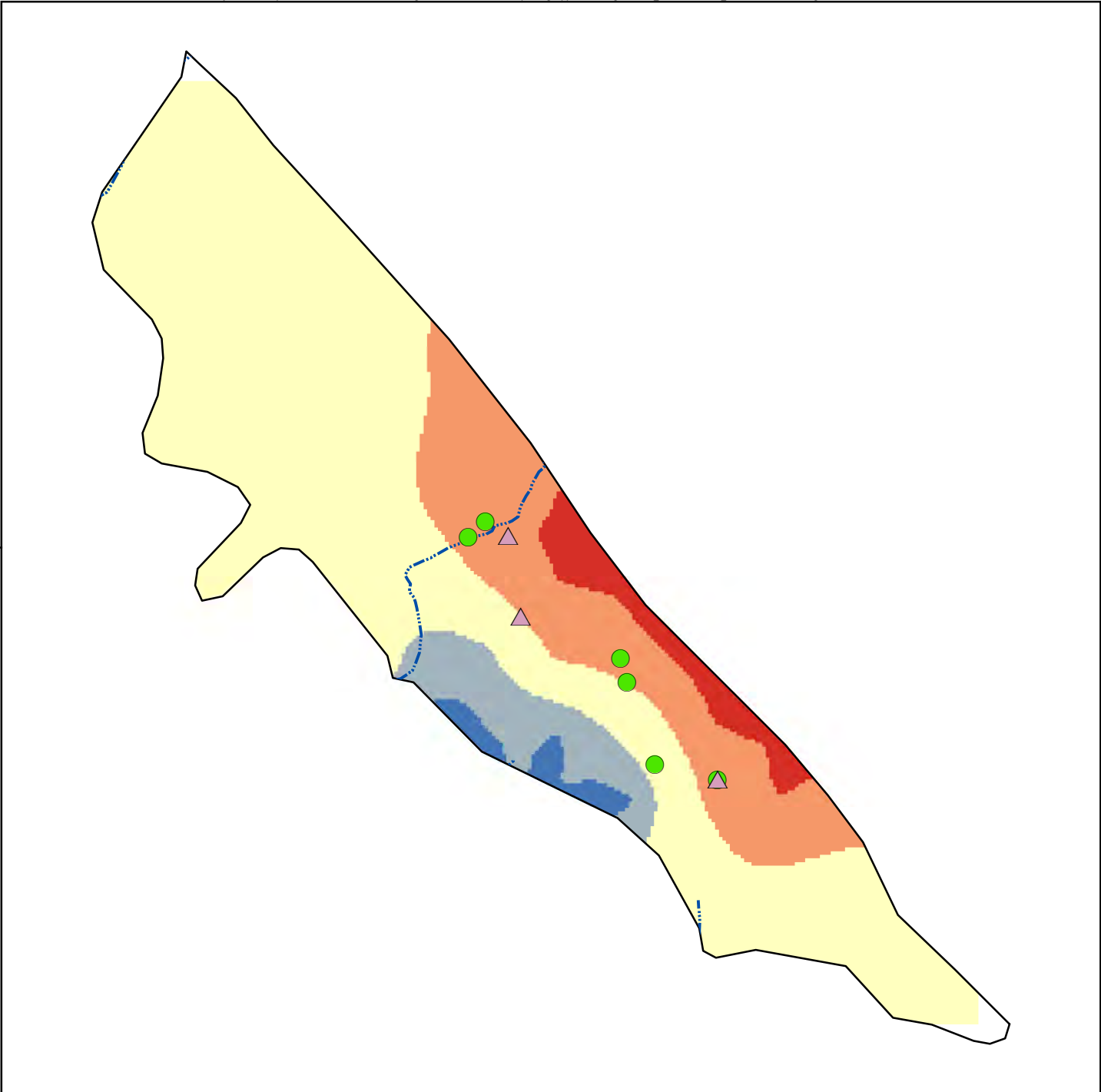


Characterization of Historical and
Ongoing Groundwater Monitoring for
TDS and Nitrate
Elsinore GMZ

B28. Upper Temescal Valley Groundwater Management Zone

(Ambient water quality is computed with alternative methodology for Upper Temescal Valley GMZ. This page is intentionally left blank.)

B29. Coldwater Groundwater Management Zone

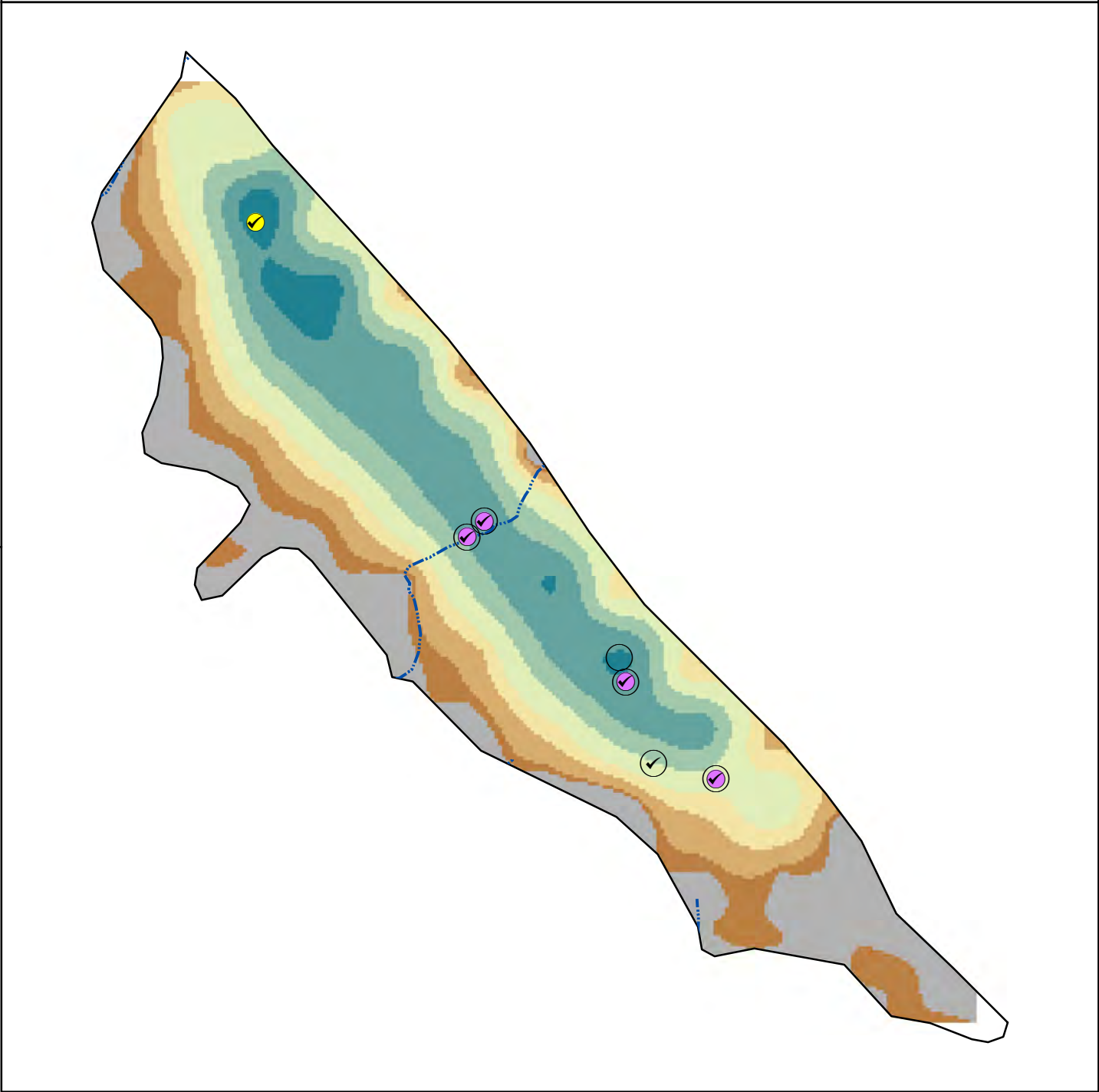


Location of Wells with Point Statistics
in the 2018 Ambient Water Quality
Computation

- With both TDS and nitrate statistics
- ▲ With insufficient data to calculate statistic

2018 Ambient TDS (mg/l)
(TDS Objective is 380 mg/l)

337 - 350	> 450 - 500
> 350 - 380	> 500 - 531
> 380 - 450	



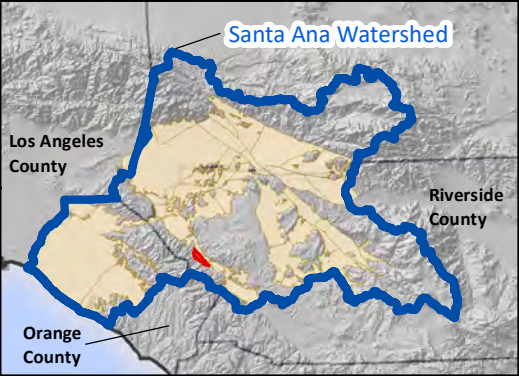
Location of Wells Currently Being
Monitored in Relation to
2018 Ambient Point Statistic Locations

- New well
- ✓ Currently being monitored as of 2022
- With TDS and/or nitrate data within the last three years (2016-2018)
- With TDS and/or nitrate statistic

2018 Groundwater in Storage
(af per grid cell)

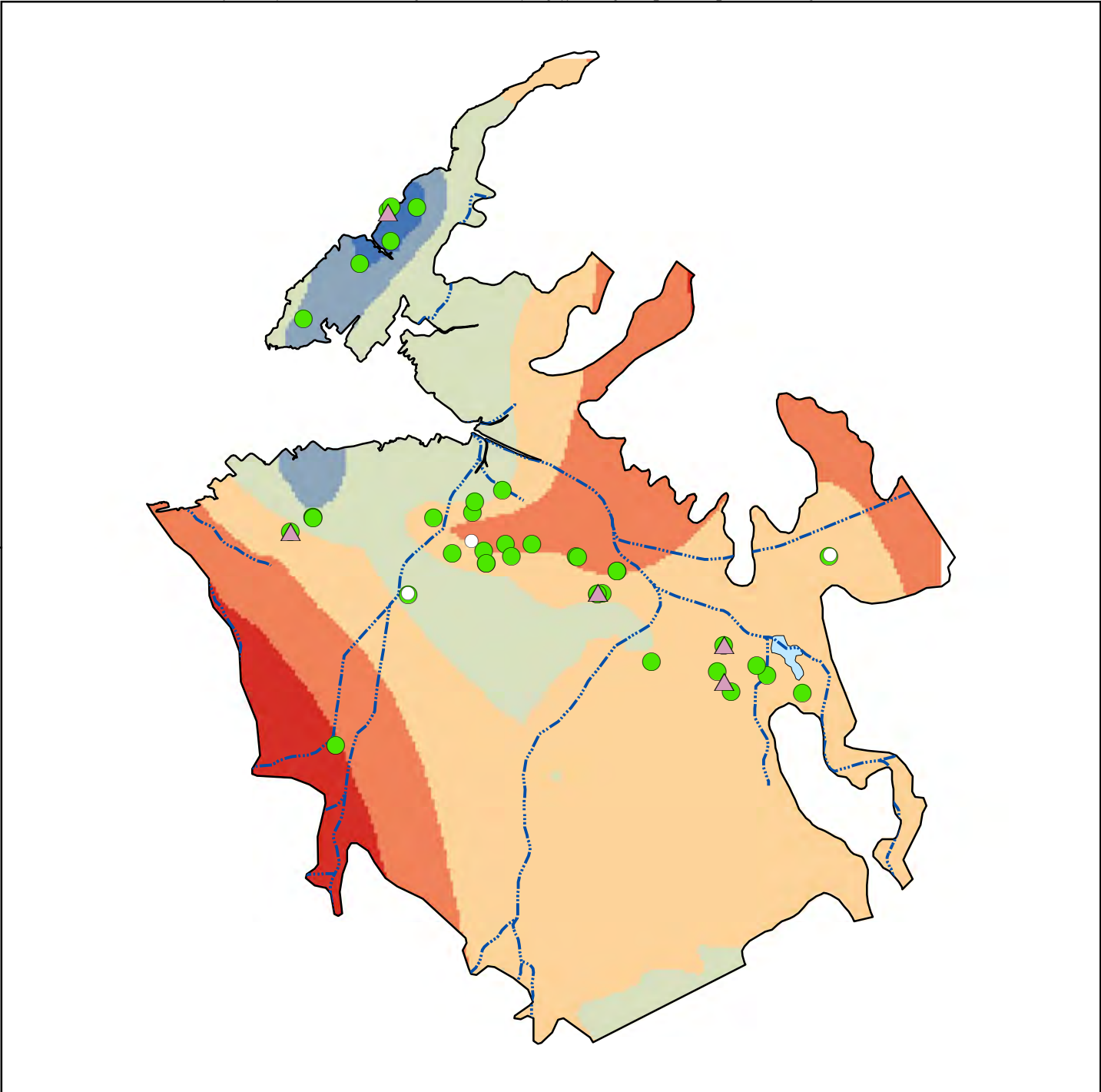
0 - 1	> 500 - 1,000
> 1 - 50	> 1,000 - 1,500
> 50 - 250	> 1,500 - 2,000
> 250 - 500	> 2,000 - 2,400

See Figure 1 for other features.



Characterization of Historical and
Ongoing Groundwater Monitoring for
TDS and Nitrate
Coldwater GMZ

B30. Temescal Groundwater Management Zone

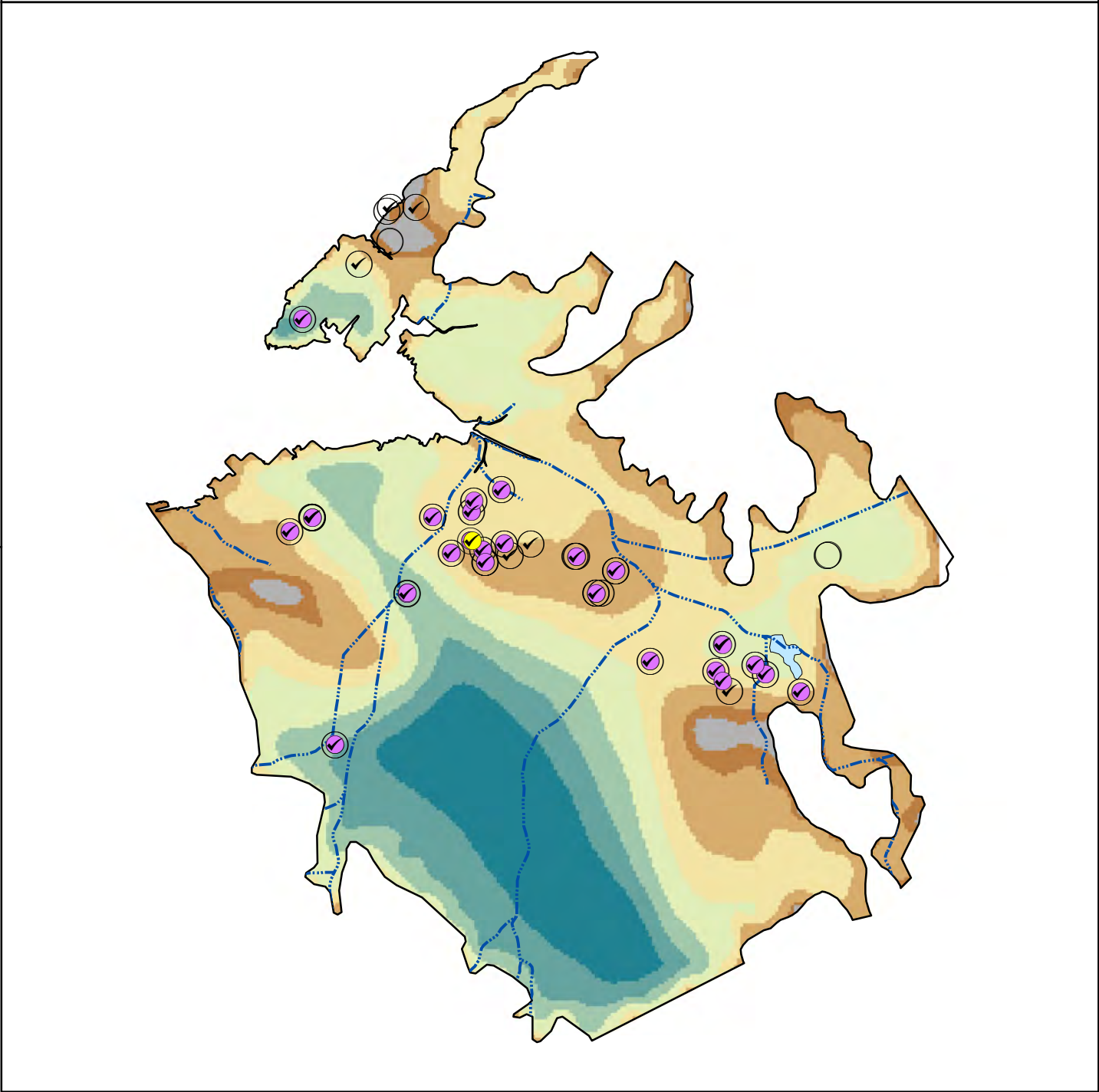


**Location of Wells with Point Statistics
in the 2018 Ambient Water Quality
Computation**

- With both TDS and nitrate statistics
- With either TDS or nitrate statistic
- ▲ With insufficient data to calculate statistic

2018 Ambient TDS (mg/l)
(TDS Objective is 770 mg/l)

380 - 500	> 770 - 900
>500 - 600	> 900 - 1,000
> 600 - 770	> 1,000 - 1,500



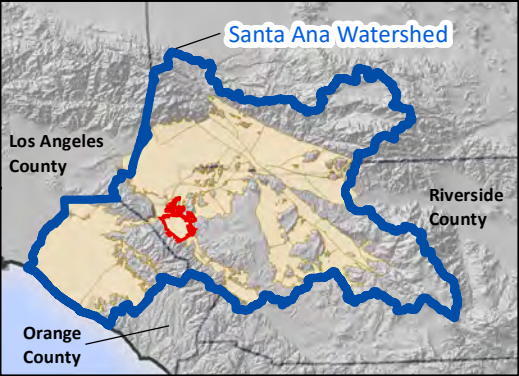
**Location of Wells Currently Being
Monitored in Relation to
2018 Ambient Point Statistic Locations**

- New well
- ✓ Currently being monitored as of 2022
- With TDS and/or nitrate data within the last three years (2016-2018)
- With TDS and/or nitrate statistic

**2018 Groundwater in Storage
(af per grid cell)**

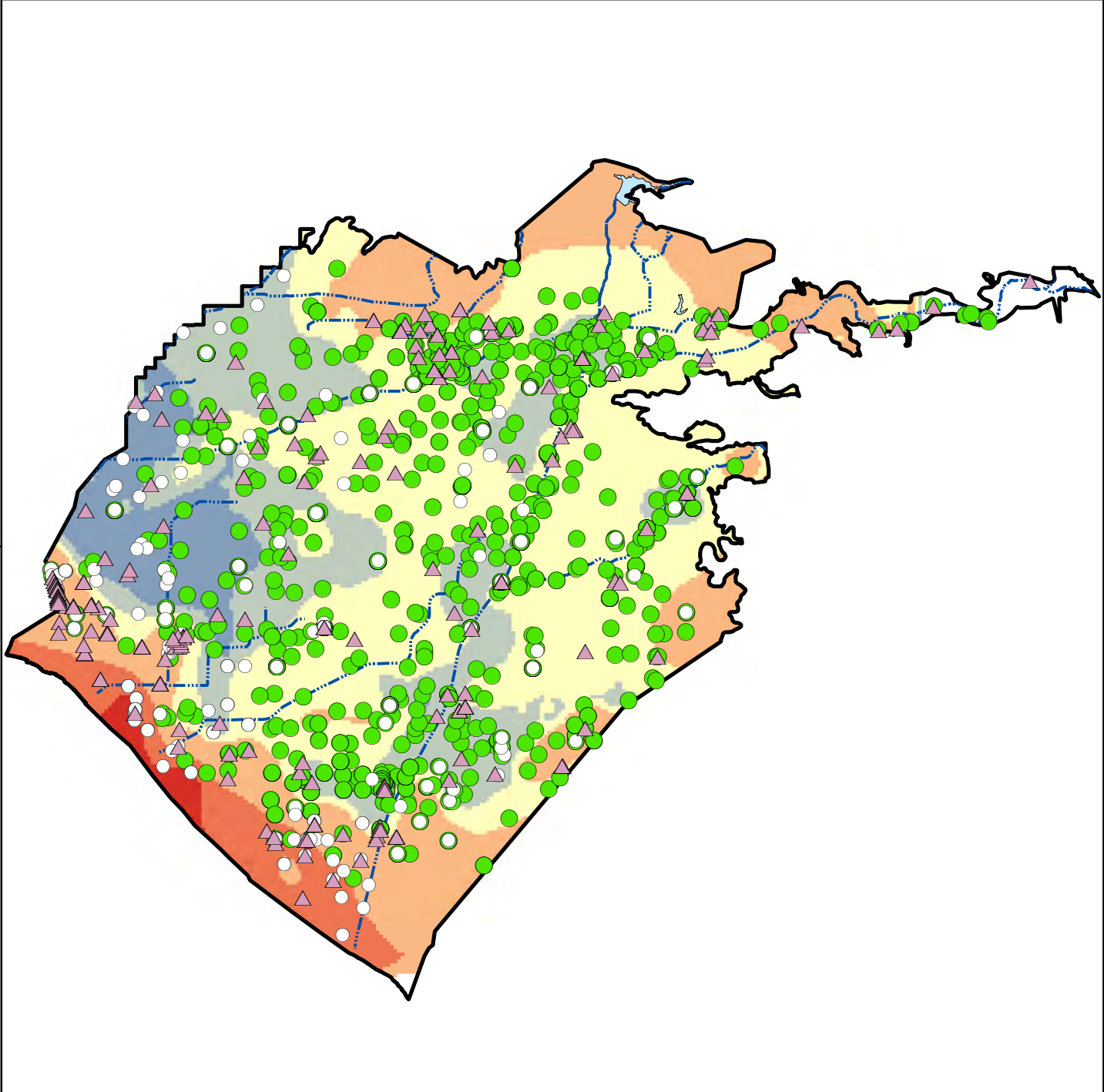
0 - 1	> 500 - 1,000
> 1 - 50	> 1,000 - 1,500
> 50 - 250	> 1,500 - 2,000
> 250 - 500	> 2,000 - 2,600

See Figure 1 for other features.



**Characterization of Historical and
Ongoing Groundwater Monitoring for
TDS and Nitrate
Temescal GMZ**

B31. Orange County Groundwater Management Zone

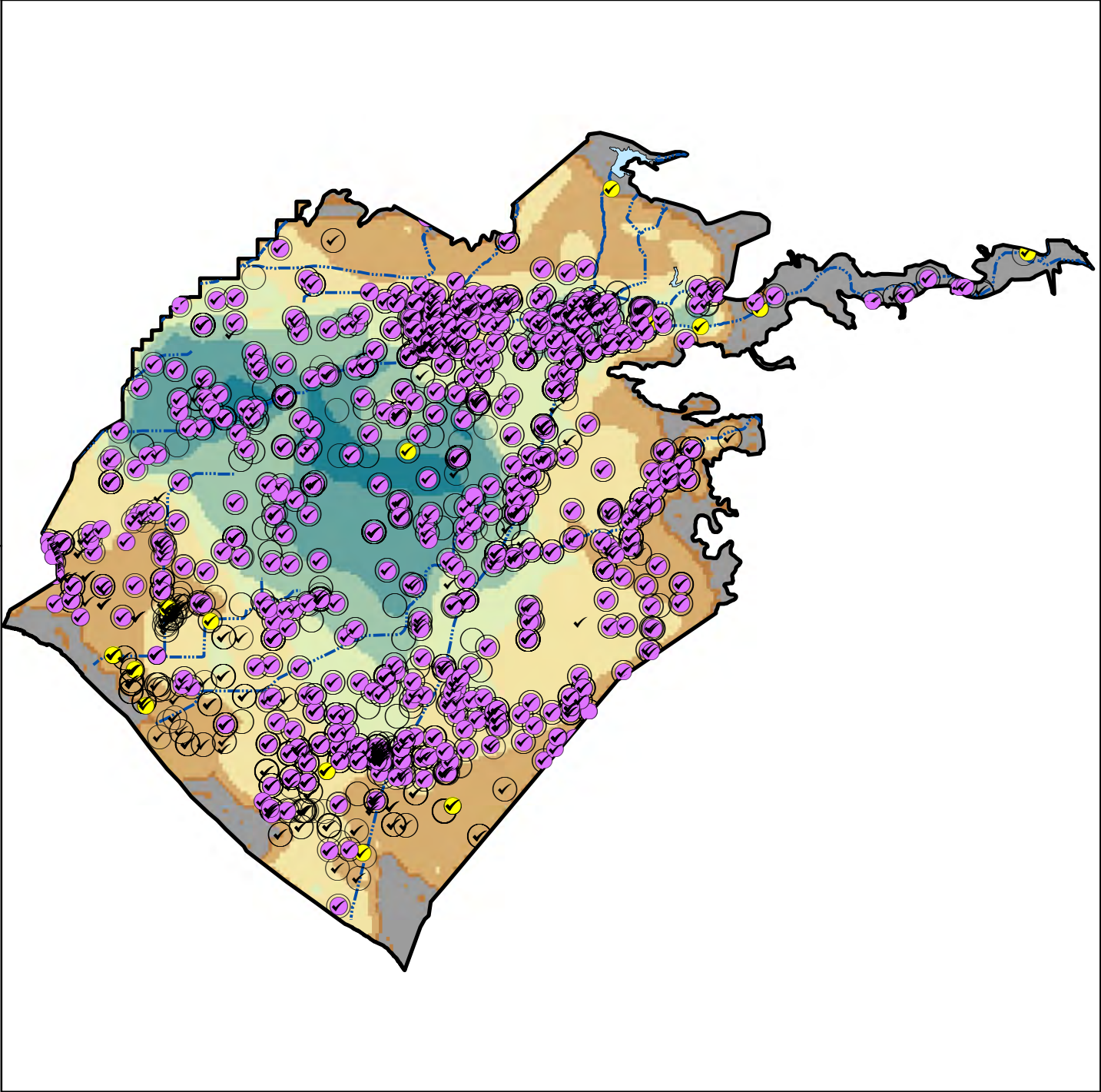


**Location of Wells with Point Statistics
in the 2018 Ambient Water Quality
Computation**

- With both TDS and nitrate statistics
- With either TDS or nitrate statistic
- ▲ With insufficient data to calculate statistic

2018 Ambient TDS for Layer 1 (mg/l)
(TDS Objective is 580 mg/l)

□ No Data	■ > 1,000 - 10,000
■ > 266 - 300	■ > 10,000 - 25,000
■ > 300 - 580	■ > 25,000 - 45,576
■ > 580 - 1,000	



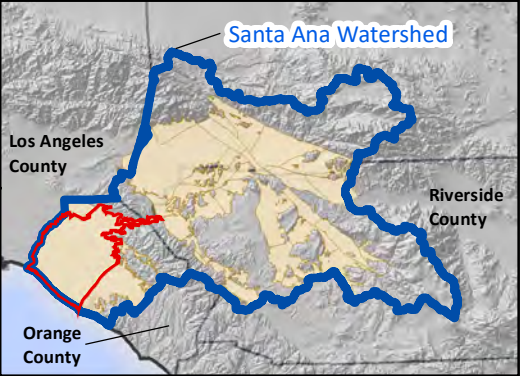
**Location of Wells Currently Being
Monitored in Relation to
2018 Ambient Point Statistic Locations**

- New well
- ✓ Currently being monitored as of 2022
- With TDS and/or nitrate data within the last three years (2016-2018)
- With TDS and/or nitrate statistic

**2018 Groundwater in Storage
(af per grid cell)**

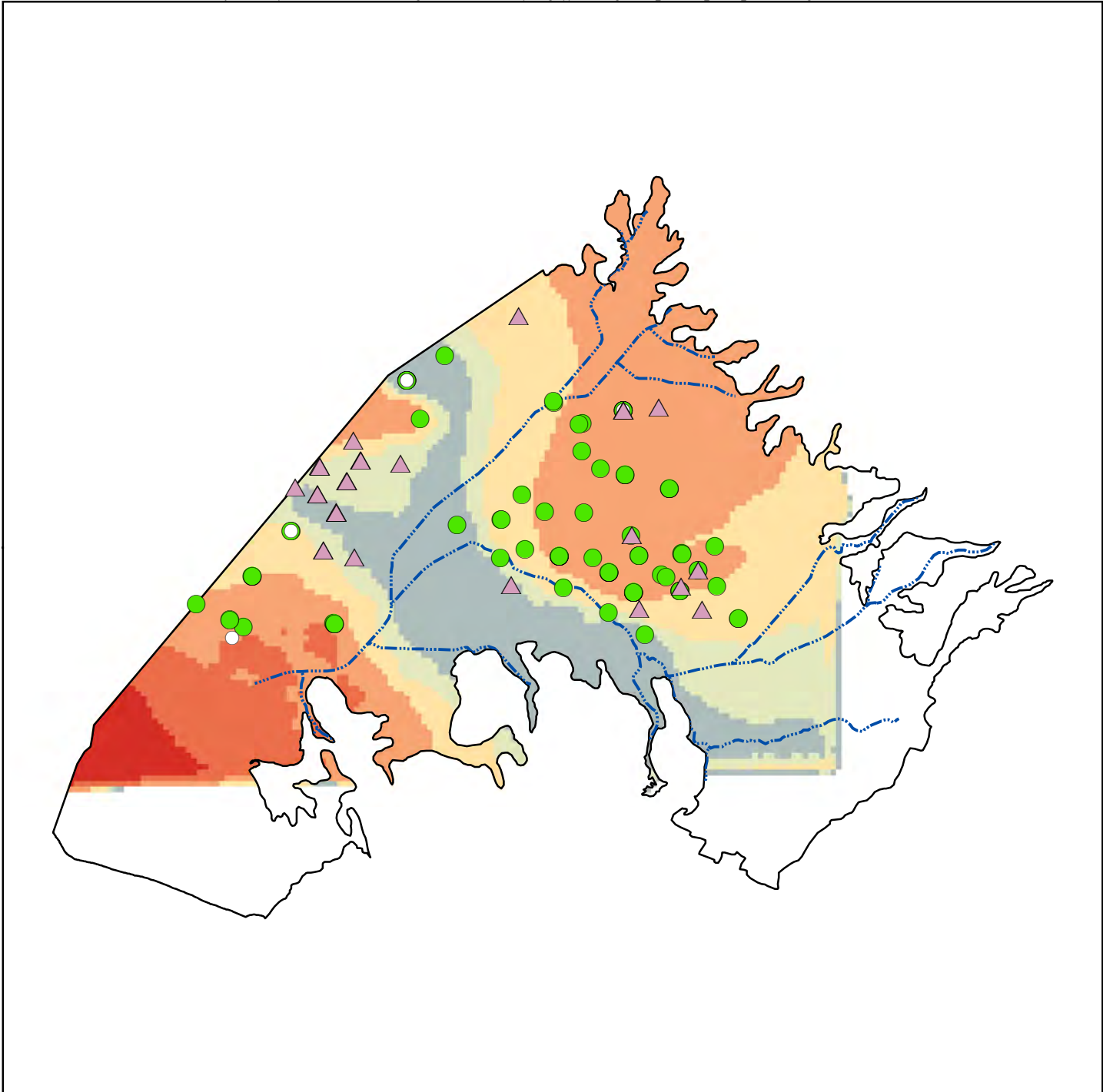
■ 0 - 1	■ > 1,000 - 1,500
■ > 1 - 50	■ > 1,500 - 2,000
■ > 50 - 500	■ > 2,000 - 2,500
■ > 500 - 1,000	■ > 2,500 - 3,000

See Figure 1 for other features.



**Characterization of Historical and
Ongoing Groundwater Monitoring for
TDS and Nitrate
Orange County GMZ**

B32. Irvine Groundwater Management Zone

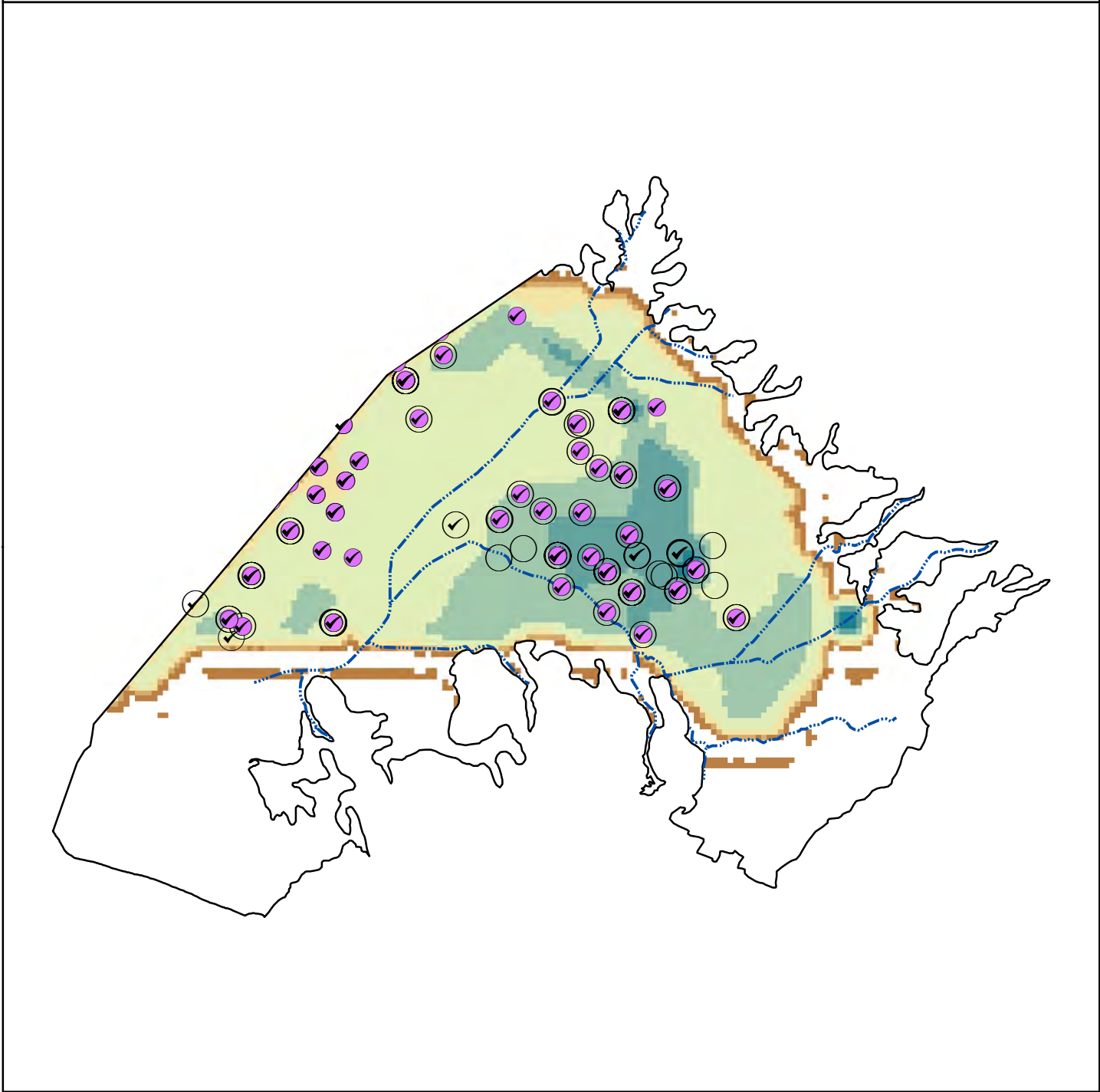


**Location of Wells with Point Statistics
in the 2018 Ambient Water Quality
Computation**

- With both TDS and nitrate statistics
- With either TDS or nitrate statistic
- ▲ With insufficient data to calculate statistic

2018 Ambient TDS for Layer 1 (mg/l)
(TDS Objective is 910 mg/l)

No Data	>1,500 - 3,000
523 - 750	>3,000 - 5,000
>750 - 910	>5,000 - 9,084
>910 - 1,500	



**Location of Wells Currently Being
Monitored in Relation to
2018 Ambient Point Statistic Locations**

- ✓ Currently being monitored as of 2022
- With TDS and/or nitrate data within the last three years (2016-2018)
- With TDS and/or nitrate statistic

**2018 Groundwater in Storage
(af per grid cell)**

No data	>250 - 500
>1 - 50	>500 - 750
>50 - 100	>750 - 1,000
>100 - 250	>1,000 - 2,000

