



TULE BASIN WATER QUALITY COALITION

2904 W. Main Street, Visalia, CA 93291 • (559) 733-2948 • www.tbwqc.com

March 5, 2019

Mr. Marcus Ellison
Central Valley Regional Water Quality Control Board
1685 E Street
Fresno, CA 93706

Re: TBWQC GQTM Phase 2 Well Details Update

Dear Mr. Ellison:

The Tule Basin Water Quality Coalition (Coalition) is pleased to submit updated well details for Phase 2 wells to the Regional Board for review and approval to be included in the TBWQC's Groundwater Quality Trend Monitoring Workplan (GQTMW).

The Coalition obtained written permission to monitor an additional three (3) wells within Phase 2 and one (1) well was withdrawn from the program upon landowner request since the February 1st, 2019, *TBWQC GQTM Year 2 (Phase 2) Well Details* submittal. The details for the additional three (3) Phase 2 wells are included in **Attachment 1 – Phase 2 Well Details**.

Well Status	Well Log #	Township	Range
New	E0090245	20S	26E
New	TBD	21S	24E
New	e0307516	22S	26E
Removed	481234	23S	28E

The well logs for the additional three (3) are provided in **Attachment 2 – Phase 2 Well Logs**, except for one well in township 21S range 24E, which will be provided at a later date by the owner. **Attachment 3 – TBWQC GQTM Well Locations** displays Phase 1 and Phase 2 well locations throughout the Tule Subbasin.

Finally, the Coalition has not received a decision from the Regional Board on the additional Phase 1 and Phase 2 wells previously submitted to the Regional Board on *November 31st, 2018* and *February 1st, 2019* following approval of 46 Phase 1 wells on *September 20th, 2018*. If these wells are to be included in the Coalitions upcoming monitoring events approval from the Regional Board is required. Please advise to when the Regional Board will be providing a decision regarding these wells.

As stated in previous updates, the Coalition continues to coordinate with SGMA efforts within the Tule Subbasin in developing a monitoring network that satisfies the requirements of both programs. As additional wells receive owner consent to monitor the Coalition will submit to the Regional Board for approval. These efforts will continue until the proposed network is completed.

If there are any questions regarding this submittal, please do not hesitate to contact myself or Matt Razor at (559) 802-3052.

Best Regards,

Don Tucker
Tule Basin Water Quality Coalition

Cc: David De Groot – TBWQC
R. L. Schafer – TBWQC
Matt Razor – TBWQC
Marcus Ellison, Regional Water Quality Control Board (via email)
David Sholes, Regional Water Quality Control Board (via email)
Eric Warren, Regional Water Quality Control Board (via email)

Attachments:

Attachment 1: Phase 2 Well Details
Attachment 2: Phase 2 Well Logs
Attachment 3: TBWQC GQTM Well Locations

Attachment 1

Phase 2 Well Details

Attachment 1 - TBWQC GQTMP Phase 2 Well Status - 3.5.2019

2.1.2019	Latitude	Longitude	Township	Range	Section	Well Log #	Well Address	Well Type	Static Water Level	Well Depth	Perforation	Well Seal	Casing
Township 20S, Range 25E													
Q1													
N/A: Quadrant Outside TBWQC Boundary													
Q2													
N/A: Quadrant Outside TBWQC Boundary													
Q3													
No confirmed wells													
Q4													
No confirmed wells													
Township 20S, Range 26E													
Q1													
N/A: Quadrant Outside TBWQC Boundary													
Q2													
N/A: Quadrant Outside TBWQC Boundary													
Q3													
Proposed	36.181406	-119.162546	20S	26E	31	00957243	18377 Ave 216, Lindsay, CA	Irrigation	TBD	363	(140'-180', 220'-300', 300'-363')	(0'-50')	Steel
Proposed	36.138426	-119.183003	20S	26E	32	E0090245	Ave 192 & Rd 172, Tulare, CA	Irrigation	TBD	680	(320'-680')	(0'-50')	Steel
Q4													
No confirmed wells													
Township 21S, Range 23E													
Q1													
N/A: Quadrant Outside TBWQC Boundary													
Q2													
N/A: Quadrant Outside TBWQC Boundary													
Q3													
Proposed	36.065001	-119.518264	21S	23E	31	E0047650	1 mi N of Ave 144 & .5 mi W of Rd 24, Corcoran, CA	Irrigation	103.9	400	N/A	(0'-20')	Steel
Proposed	36.058668	-119.518385	21S	23E	31	E0252293	3000' N of Ave 144 & 20' W of Rd 24, Corcoran, CA	Irrigation	106.7	440	(200'-440')	(0'-50')	Steel
Proposed	36.055761	-119.518341	21S	23E	31	E0291815	1950' N of Ave 272 & 20' W of Rd 24, Corcoran, CA	Irrigation	95.5	440	(280'-360', 360'-440')	(0'-50')	Steel
Q4													
No confirmed wells													
Township 21S, Range 24E													
Q1													
No confirmed wells													
Q2													
No confirmed wells													
Q3													
No confirmed wells													
Q4													
Proposed	36.079978	-119.33112	21S	24E	25	Owner to Provide	50' S of Ave 160 & Rd 108	Irrigation	TBD				
Township 21S, Range 29E													
Q1													
No confirmed wells													
Q2													
No confirmed wells													
Q3													
No confirmed wells													
Q4													
No confirmed wells													
Township 22S, Range 23E													
Q1													
No confirmed wells													
Q2													
No confirmed wells													
Q3													
Proposed	35.9999376	-119.4920428	22S	23E	21	G-1		Irrigation	150	521	(321'-521')	N/A	N/A
Proposed	35.9722758	-119.483268	22S	23E	33	E054456	Rd 40 & Ave 104, Angiola, CA	Irrigation	151	490	(240'-480')	(0'-50')	Cement
Q4													
Proposed	35.992791	-119.465715	22S	23E	22	E000731	.75 mi E of HWY 43 on Ave 112, Corcoran, CA	Irrigation	128.7	480	(280'-480')	(0'-20')	Steel
Proposed	35.996773	-119.465214	22S	23E	22	290327	Ave 112 & Hwy 43, Corcoran, CA	Irrigation	118.8	443	(243'-443')	N/A	Steel
Candidate	35.9948901	-119.4816773	22S	23E	22	E0072308	.15 mi N of Ave 112 & 250' W of Hwy 43, Corcoran, CA	Irrigation	311.7	1,050	(670'-1,030)	(0'-480')	Steel
Candidate	35.9928181	-119.4555284	22S	23E	23	489856	.5 mi W of Ave 112 & 200' S of Rd 56, Corcoran, CA	Irrigation	313.2	930	(580'-930')	(0'-50')	Steel
Candidate	35.9890205	-119.4472351	22S	23E	26	E062799	Ave 108 & Hwy 43, Angiola, CA	Irrigation	311	1,200	(640'-1,200')	(0'-50')	Steel
Candidate	35.9861422	-119.4293082	22S	23E	25	E0078570	1.8 mi S of Hwy 43, off of Ave 108, Angiola, CA	Irrigation	157	1,140	(640'-1,122')	(0'-500')	Steel
Candidate	35.964432	-119.4657499	22S	23E	34	E0054498	Rd 40 & Ave 112, Angiola, CA	Irrigation	302	1,120	(762'-1,122')	(0'-50')	Steel
Candidate	35.9925543	-119.4425433	22S	23E	25	E054449	Ave 112, Angiola, CA	Irrigation	314	490	(240'-480')	(0'-50')	Steel

2.1.2019	Latitude	Longitude	Township	Range	Section	Well Log #	Well Address	Well Type	Static Water Level	Well Depth	Perforation	Well Seal	Casing
Township 22S, Range 24E													
Q1													
Proposed	36.008777	-119.339971	22S	24E	14	560270	.125 mi N of Ave 120 & 60' W of rd 104, Tipton, CA	Irrigation	TBD	560	(290'-560')	(0'-20')	Steel
Q2													
Proposed	36.012433	-119.393523	22S	24E	17	E0330539	12011 Rd 80, Tipton, CA	Irrigation	TBD	836	(395'-435', 475'-836')	(0'-40')	Steel
Q3													
No confirmed wells													
Q4													
No confirmed wells													
Township 22S, Range 26E													
Q1													
Proposed	36.022071	-119.116078	22S	26E	13	e0307516	20397 Ave 128, Porterville, CA	Irrigation	TBD	860	(180'-840')	(0'-150')	PVC
Q2													
Proposed	36.020779	-119.179524	22S	26E	17	373266	.125 mi S of Ave 1128 on W side of rrd 176, Tulare, CA	Irrigation	TBD	602.5	(202.5'-605.5')	(0'-30')	Steel
Q3													
No confirmed wells													
Q4													
No confirmed wells													
Township 22S, Range 27E													
Q1													
Proposed	36.022462	-119.030086	22S	27E	11	E0053801	580 W. Teapot Dome, Porterville, CA	Domestic	TBD	300	(120'-140', 160'-180', 200'-220')	(0'-50')	PVC
Proposed	36.026009	-119.030928	22S	27E	11	415241	.25 mi N of Ave 128 & .25 mi E of Indiana St, Tulare, CA	Irrigation	TBD	600	(200'-600')	(0'-20')	Steel
Complimentary	36.044272	-119.026622	22S	27E	2	C-27	1/4 mi N of W Melinda Ave on S Jaye St, Porterville, CA	Public	TBD	625	(110'-260', 280'-315')	(0-100')	Steel
Q2													
Complimentary	36.030754	-119.058556	22S	27E	9	AP-1	Wildcat Way, Porterville, CA	Public	TBD	700	(258'-676')	NA	Double
Complimentary	36.026457	-119.077534	22S	27E	8	AP-2	W Edison CT & West St, Porterville, CA	Public	TBD	720	(270'-720')	(0-60.75')	Single
Q3													
Proposed	36.005693	-119.076754	22S	27E	20	E0253846	E of Ave 120 & W of Rd 224, Porterville, CA	Irrigation	TBD	720	(480'-720')	N/A	PVC
Q4													
Proposed	35.998456	-119.026591	22S	27E	23	E0214187	11532 Road 244, Porterville, CA	Irrigation	TBD	453	(113'-153', 173'-213', 233'-293')	(0'-20')	PVC
Proposed	35.998561	-119.025979	22S	27E	23	E0117085	11532 Road 244, Porterville, CA	Domestic	TBD	300	(140'-180', 220'-260', 280'-300')	(0'-20')	Steel
Proposed	35.996814	-119.024902	22S	27E	23	516902	11426 Road 244, Porterville, CA	Irrigation	TBD	521	(113'-223', 273'-493')	(0'-25')	Steel
Township 22S, Range 28E													
Q1													
No confirmed wells													
Q2													
Proposed	36.04907	-118.98177	22S	28E	5	26857	Porterville State Hospital Well Farm	Domestic	TBD	430	(140-430')	(0'-30')	Steel
Proposed	36.05012	-118.98516	22S	28E	5	942425	Porterville State Hospital Well Farm	Public	TBD	460	(180'-210', 350'-450')	(0'-35')	Steel
Proposed	36.04949	-118.98462	22S	28E	8	165452	Porterville State Hospital Well Farm	Municipal	TBD	398	(160'-225', 255'-340')	(0'-50')	Steel
Proposed	36.05071	-118.98801	22S	28E	6	30402	Porterville State Hospital Well Farm	Domestic	TBD	296	(94'-126', 198'-294')		
Proposed	36.008515	-118.973584	22S	28E	17	00569797	12083 Rd 268, Porterville, CA	Domestic	TBD	404	(184'-264', 304'-404')	(0'-20')	Steel
Q3													
Proposed	35.978786	-118.968838	22S	28E	29	E0078689	Old Stage Road, Porterville, CAA	Domestic	TBD	335	(195'-215', 235'-295')	(0'-57')	PVC
Proposed	36.006896	-118.99138	22S	28E	19	E0334821	.5 mi E of Rd 256 & .45 mi N of Ave 116, Porterville, CA	Irrigation	TBD	510	(190'-510')	(0'-50')	Steel
Q4													
No confirmed wells													
Township 22S, Range 29E													
Q1													
NO IRRIGATED AG IN QUADRANT													
Q2													
NO IRRIGATED AG IN QUADRANT													
Q3													
NO IRRIGATED AG IN QUADRANT													
Q4													
NO IRRIGATED AG IN QUADRANT													
Township 23S, Range 24E													
Q1													
No confirmed wells													
Q2													
No confirmed wells													
Q3													
No confirmed wells													
Q4													
No confirmed wells													

2.1.2019	Latitude	Longitude	Township	Range	Section	Well Log #	Well Address	Well Type	Static Water Level	Well Depth	Perforation	Well Seal	Casing
Township 23S, Range 26E													
Q1													
Proposed	35.953565	-119.129999	23S	26E	2	783364	.75 mi E of Rd 192 & .25 mi N of Ave 88, Tulare, CA	Irrigation	TBD	612	(246'-612')	(0'-24')	Steel
Q2													
No confirmed wells													
Q3													
Proposed	35.902481	-119.192818	23S	26E	29	E0119660	6196 Rd 168, Earlimart, CA	Domestic	TBD	298	(160'-300')	(0'-32')	PVC
Q4													
No confirmed wells													
Township 23S, Range 28E													
Q1													
NO IRRIGATED AG IN QUADRANT													
Q2													
No	35.955612	-118.967275	23S	28E	5	481234	Rd 272 & Ave 92, terra Bella, CA	Irrigation	TBD	160	(52'-123')	(0'-20')	Steel
Owner asked to not be removed from program													
No confirmed wells													
Q3													
No confirmed wells													
Q4													
No confirmed wells													
Township 24S, Range 23E													
Q1													
No confirmed wells													
Q2													
No confirmed wells													
Q3													
No confirmed wells													
Q4													
No confirmed wells													
Township 24S, Range 28E													
Q1													
NO IRRIGATED AG IN QUADRANT													
Q2													
NO IRRIGATED AG IN QUADRANT													
Q3													
No confirmed wells													
Q4													
No confirmed wells													
Township 25S, Range 26E													
Q1													
Proposed	35.779536	-119.143148	25S	26E	2	E0092100	Cecil Ave & Zerker Rd,	Irrigation	TBD	840	(300'-840')	(0'-150')	Steel
Q2													
No confirmed wells													
Q3													
N/A: Quadrant Outside TBWQC Boundary													
Q4													
N/A: Quadrant Outside TBWQC Boundary													

Phase 2 Summary

Proposed	30
Complimentary	3
Candidate	6

Attachment 2
Phase 2 Well Logs

DWR -

*The free Adobe Reader may be used to view and complete this form. However, software must be purchased to complete, save, and reuse a saved form.

File Original with DWR

State of California
Well Completion Report
 Refer to Instruction Pamphlet
 No. e0090245

DWR Use Only - Do Not Fill In

205/26E-32

State Well Number/Site Number

Latitude _____ N _____ W
 Longitude _____

APN/TRS/Other _____

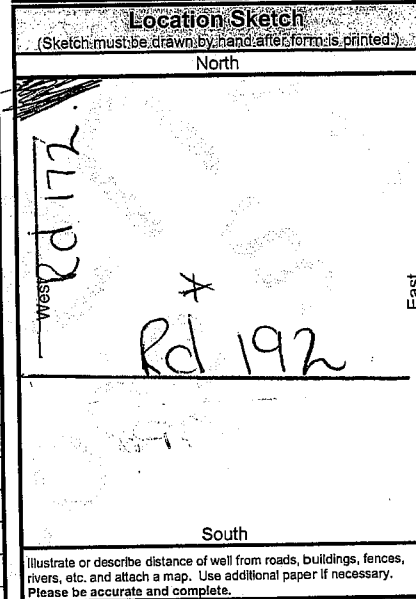
Page _____ of _____
 Owner's Well Number _____
 Date Work Began 5-27-09 Date Work Ended 5-28-09
 Local Permit Agency Tulare
 Permit Number 09-0328 Permit Date 5-28-09

Geologic Log		
Orientation	Specify	
<input checked="" type="radio"/> Vertical	<input type="radio"/> Horizontal	<input type="radio"/> Angle
Drilling Method _____	Drilling Fluid _____	
Depth from Surface	Description	
Feet to Feet	Describe material, grain size, color, etc	
0	60	sand and clay
60	80	sand
80	100	sand and compress fine sand
100	120	fine sand rocks and sand
120	140	compress fine sand and sand
140	160	sand
160	180	clay
180	200	clay and sand
200	220	blue clay
220	260	sand
260	340	blue clay and gravel
340	380	blue clay and sand
380	400	blue clay gravel and sand
400	420	sand and gravel
420	440	gravel sand and blue clay
440	460	fine sand compress sand and sand
460	480	blue clay
480	580	compress fine sand
580	600	compress fine sand and gravel
600	660	sand and compress sand
660	680	sand and clay
Total Depth of Boring <u>680</u> Feet		
Total Depth of Completed Well <u>680</u> Feet		

Well Owner

Well Location

Address Ave 192
 City _____ County Tulare
 Latitude _____ N Longitude _____ W
 Datum _____ Decimal Lat. _____ Decimal Long. _____
 APN Book 198 Page 030 Parcel 007
 Township _____ Range _____ Section _____



Activity

New Well
 Modification/Repair
 Deepen
 Other _____
 Destroy
Describe procedures and materials under "GEOLOGIC LOG"

Planned Uses

Water Supply
 Domestic Public
 Irrigation Industrial
 Cathodic Protection
 Dewatering
 Heat Exchange
 Injection
 Monitoring
 Remediation
 Sparging
 Test Well
 Vapor Extraction
 Other _____

Water Level and Yield of Completed Well

Depth to first water _____ (Feet below surface)
 Depth to Static _____
 Water Level _____ (Feet) Date Measured _____
 Estimated Yield * _____ (GPM) Test Type _____
 Test Length _____ (Hours) Total Drawdown _____ (Feet)
 *May not be representative of a well's long term yield.

Casings							
Depth from Surface	Borehole Diameter	Type	Material	Wall Thickness	Outside Diameter	Screen Type	Slot Size if Any
Feet to Feet	(Inches)			(Inches)	(Inches)		(Inches)
0	320	28	Blank	steel	1/4	15 1/2	
320	680	28	Screen	steel	1/4	15 1/2	0.080

Annular Material			
Depth from Surface	Fill	Description	
Feet to Feet			
0	50	Cement	
50	680	Fill	1/4

Attachments

Geologic Log
 Well Construction Diagram
 Geophysical Log(s)
 Soil/Water Chemical Analyses
 Other _____

Attach additional information, if it exists.

Certification Statement

I, the undersigned, certify that this report is complete and accurate to the best of my knowledge and belief

Name Arthur & Orum Well Drilling Inc.
 Person, Firm or Corporation
14870 S East Fresno CA 93725
 Address City State Zip
 Signed [Signature] Date Signed 05/27/2009
 C-57 Licensed Water Well Contractor C-57 License Number 361319

Attachment 3

TBWQC GQTM Well Locations

TULE BASIN WATER QUALITY COALITION Monitoring Well Locations

Legend

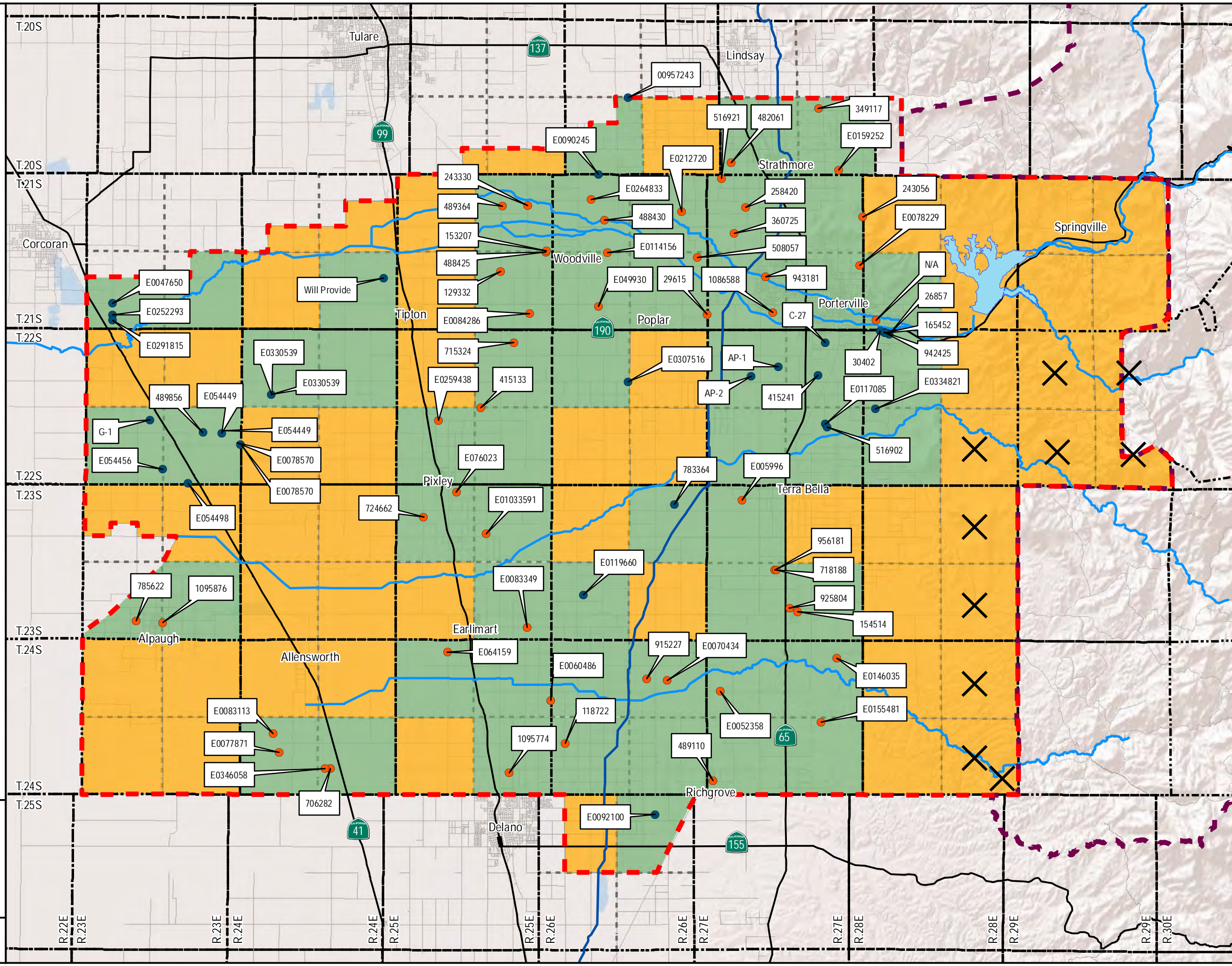

- TBWQC Boundary
- Supplemental TBWQC Boundary
- Townships

Township Quadrant Status

- Complete
- No Wells in Quadrant w/ Permission to Monitor
- Lake Success
- Friant- Kern Canal
- Waterways
- Major Roads
- Quarter Section Lines
- Roads

TBWQC Monitoring Wells

- Phase 2
- Phase 1

1 in = 4 miles

