

South Fork Kings Groundwater Monitoring Overview

SFKGSA Board Meeting
Lemoore, CA
May 23, 2019

Geosyntec 
consultants



Existing Compliance Wells (7 wells in 3 locations)



KRCD Monitoring Network

(A-zone: 1 well

(B-zone: 3 upper / 3 lower wells



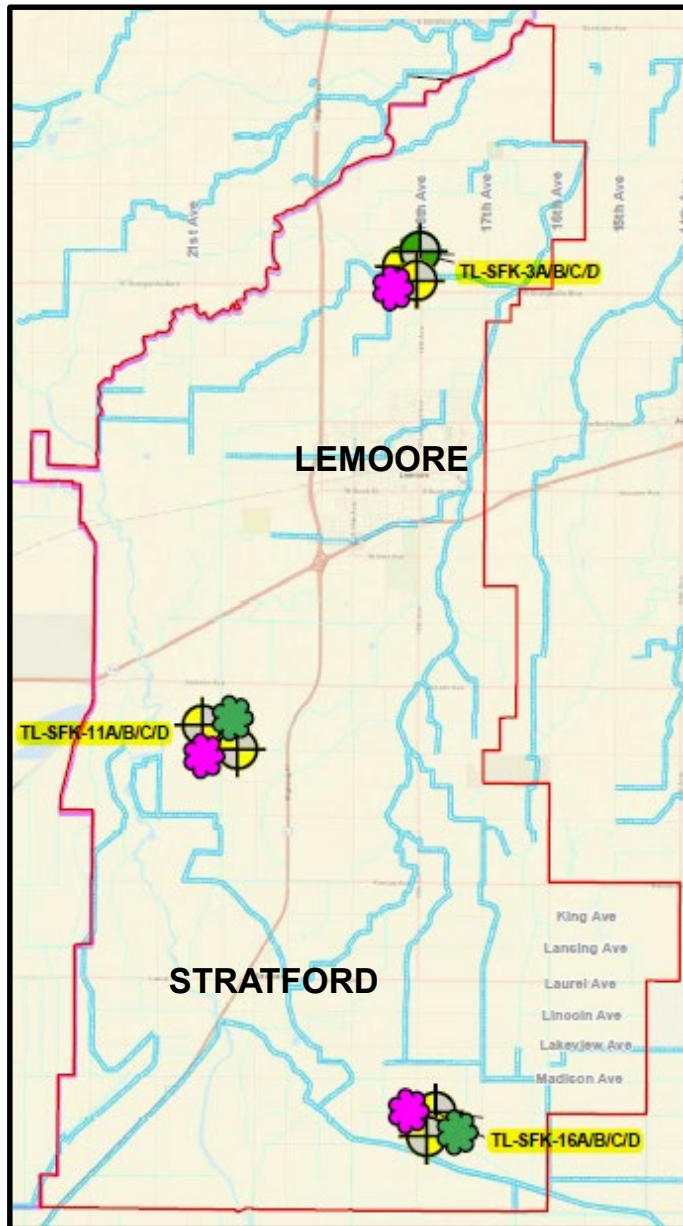
Proposed Compliance Well Installations (5 wells in 3 locations)







(A-zone: 2 wells)






(C-zone: 3 wells)

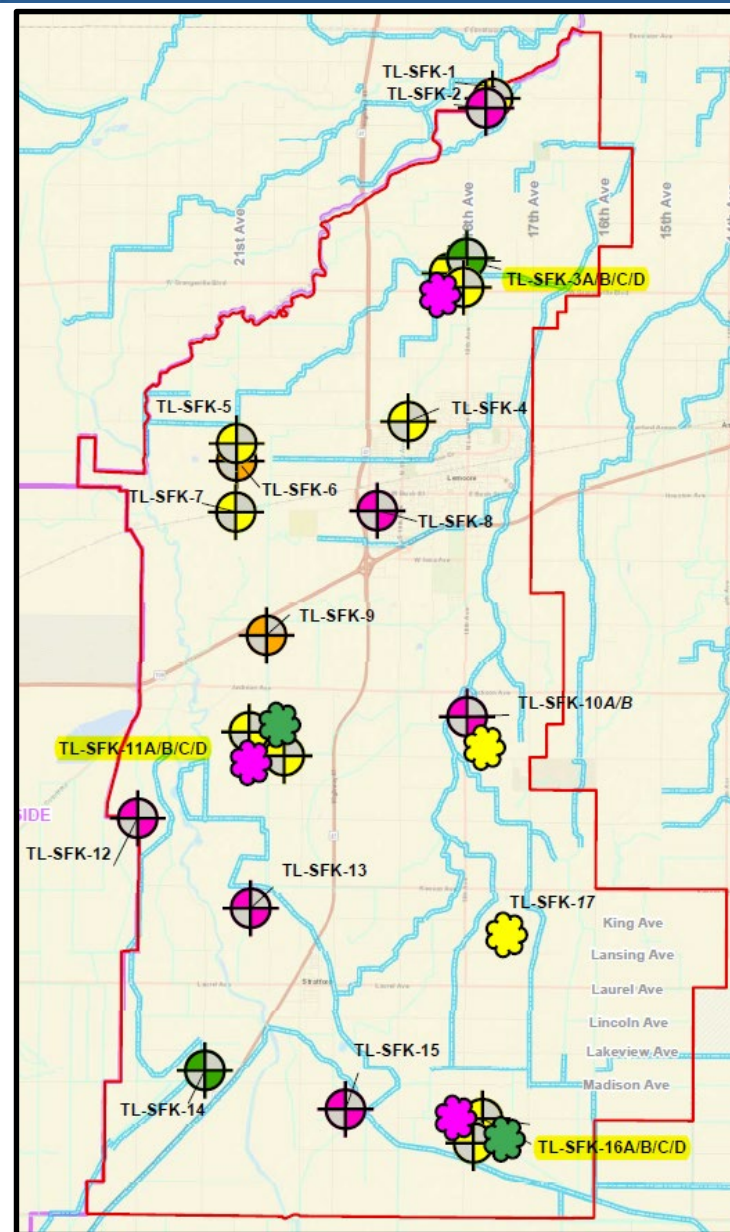


Existing Well Network (20 wells including monitoring, irrigation, municipal, and domestic wells)

-  (A-zone: 2 wells)
-  (B-zone: 10 wells)
-  (C-zone: 6 wells)
-  (B/C-zone: 2 wells)

Proposed Well Installations (8 monitoring wells)

-  (A-zone: 2 wells)
-  (B-zone: 2 wells)
-  (C-zone: 3 wells)



Proposed Tulare Lake Monitoring Network

- Existing Well
- Proposed Well
- TL-SFK-## Compliance Well

S. Fork Kings

- 28 total wells (20 existing)
- 12 compliance wells in 3 locations

Mid Kings

- 51 total wells (22 existing)
- 13 compliance wells in 5 locations

El Rico

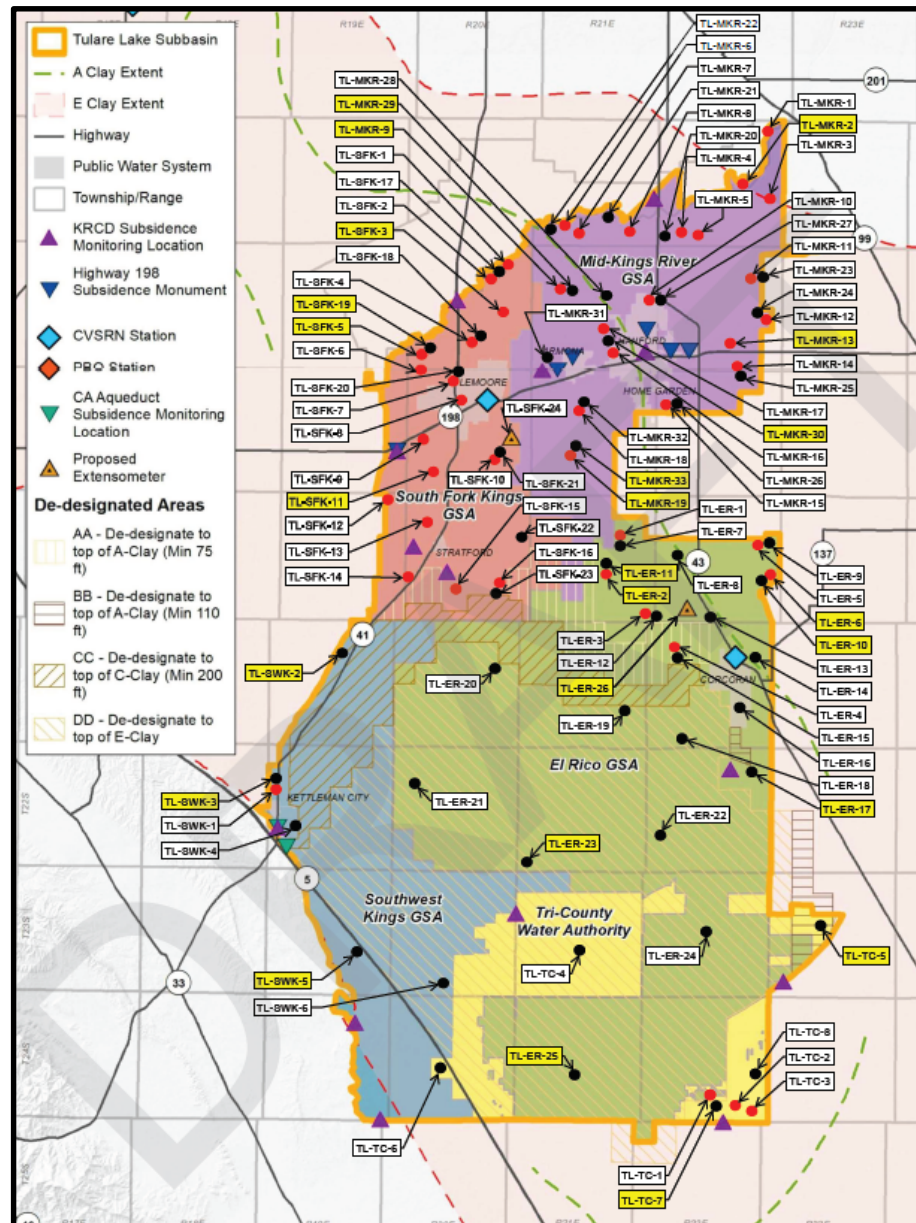
- 50 total wells (6 existing)
- 12 compliance wells in 5 locations

Tri County

- 12 total wells (3 existing)
- 4 compliance wells in 2 locations

SW Kings

- 7 wells (1 existing)
- 6 compliance wells in 3 locations



- **Estimated Total costs**
 - \$606k
- **A-zone (2 wells)**
 - 2" PVC; well screen 80-100 ft bgs
 - \$58k total (\$29k x 2 wells)
- **B-zone (2 wells)**
 - 4" PVC; well screen 480-500 ft bgs
 - \$152k total (\$76k x 2 wells)
- **C-zone (3 wells)**
 - 6" PVC; well screen 730-750 ft bgs
 - \$396k total (\$132k x 3 wells)
- **Assumptions**
 - Costs include permitting, planning, and drilling oversight by Geosyntec
 - Includes e-log
 - Drilling mud and development water left at drilling site
 - Extensometer in SFK funded and installed by others