








ATTACHMENT 1 –
FIGURES



Proposed Well No. 1
 Latitude: 31.070802 N
 Longitude: 96.512042 W

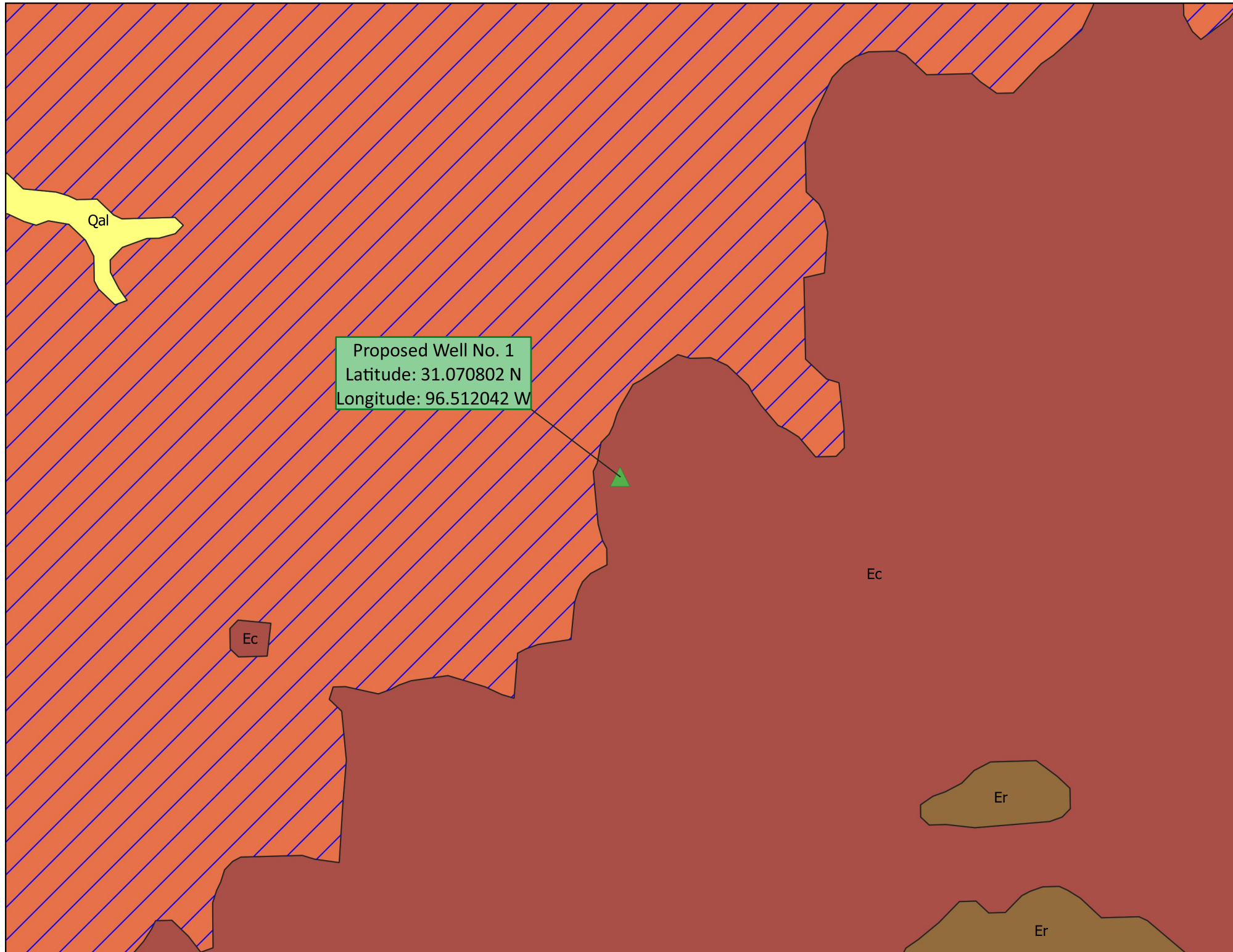
Explanation

-  Proposed Well
-  160 Foot Radius
-  321 Foot Radius
-  Approximate Robertson WSC Property Boundary
-  Robertson CAD Property



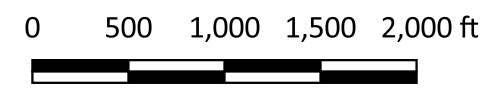
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 County WSC**

Figure 1 - Location Map



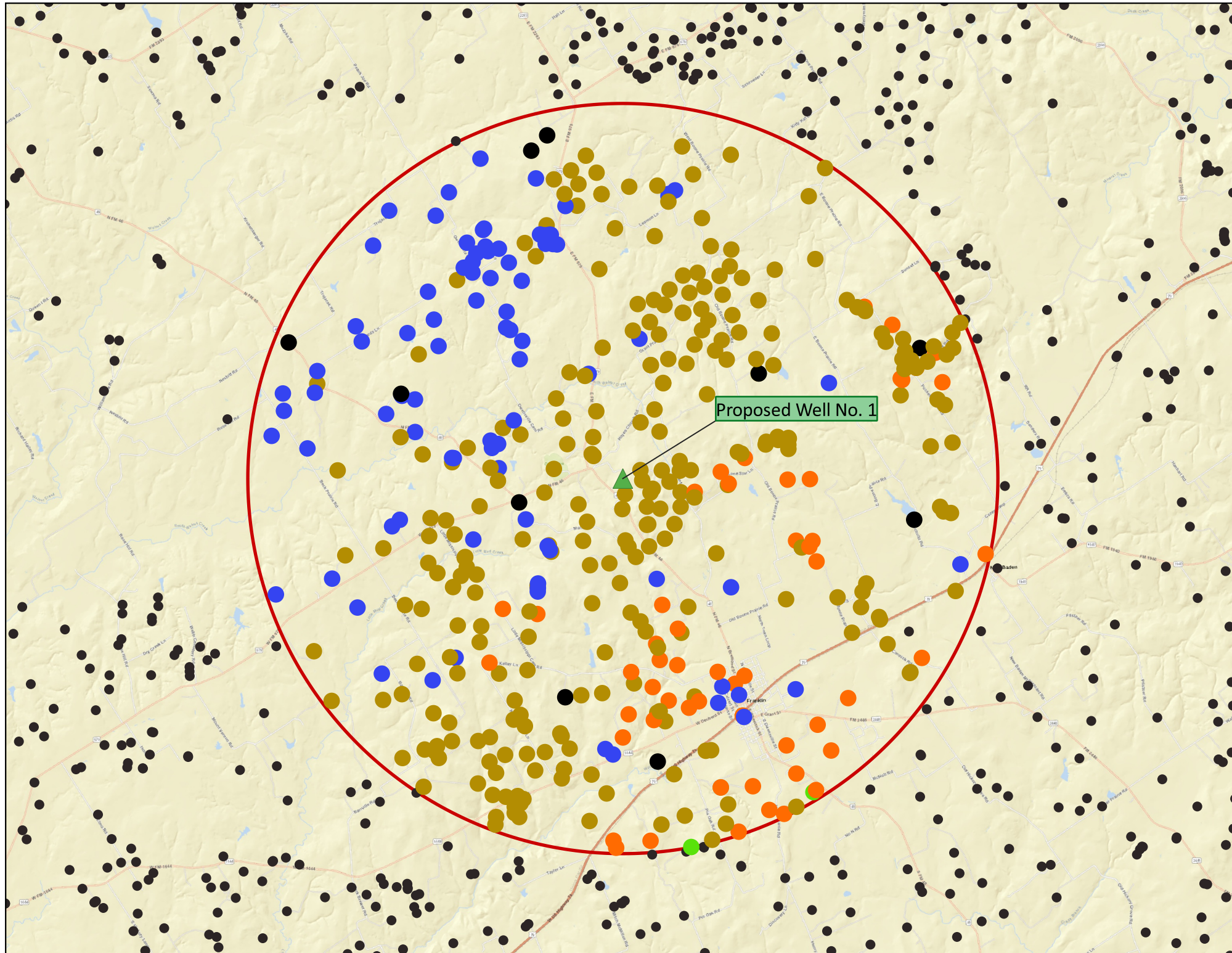
Explanation

-  Proposed Well
- Surface Geology
-  Qal - Alluvium
-  Er - Reklaw Formation
-  Ec - Carrizo Sand
-  Ecb - Calvert Bluff Formation



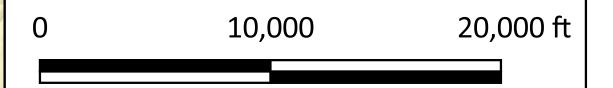
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Figure 2 - Surface
Geology



Explanation

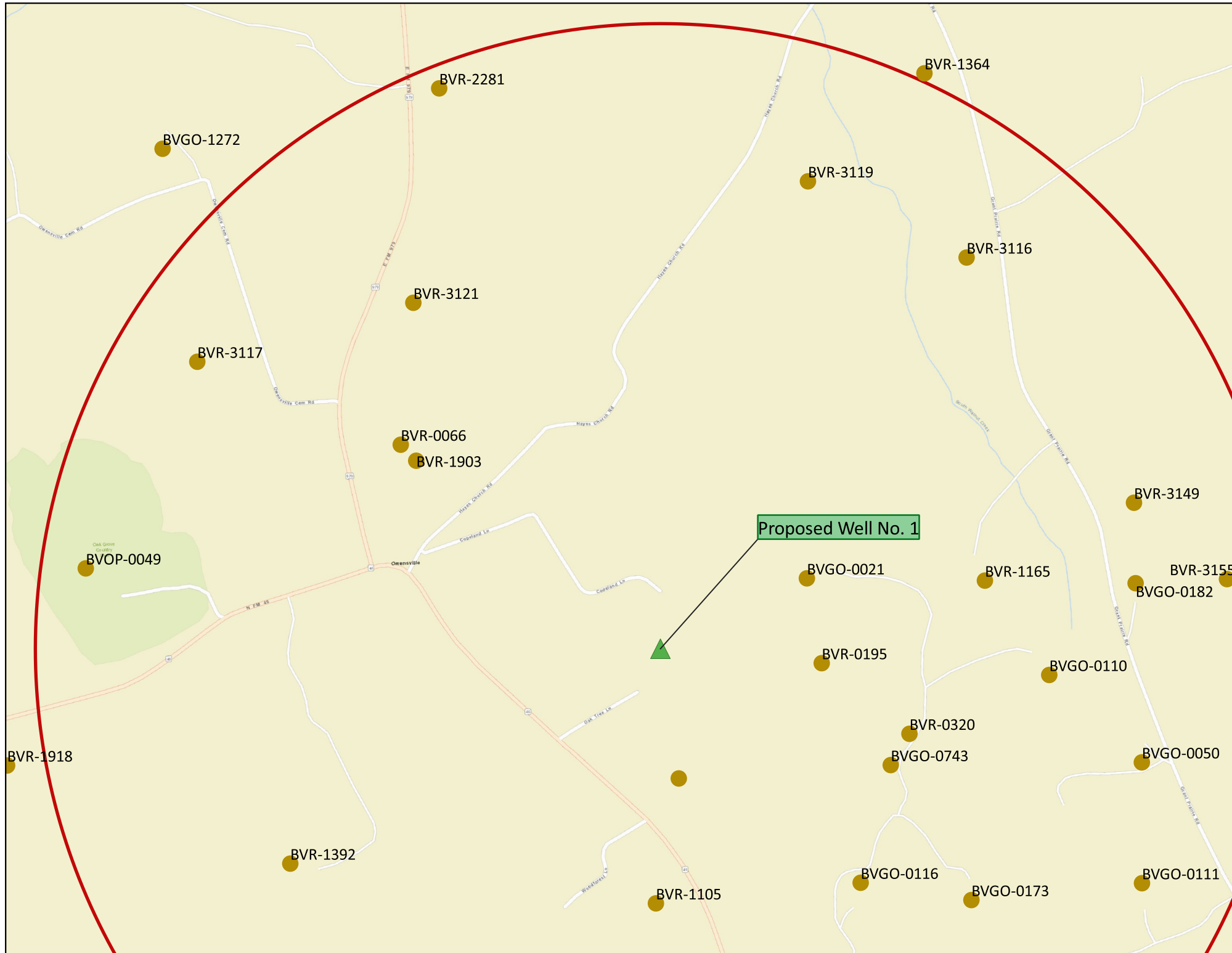
- ▲ Proposed Well
- BVGCD Registered or Permitted Well Within 5 Miles of Proposed Well by Aquifer
- Queen City
- Carrizo
- Calvert Bluff
- Simsboro
- Unknown
- BVGCD Registered or Permitted Well Greater Than 5 Miles of Proposed Well
- 5 Mile Radius








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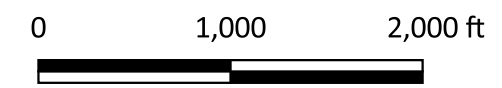
Figure 3 - BVGCD Wells Within 5 Miles of Proposed Well





Explanation

-  Proposed Well
-  BVGCD Registered or Permitted Well
-  Carrizo
-  Calvert Bluff
-  1 Mile Radius

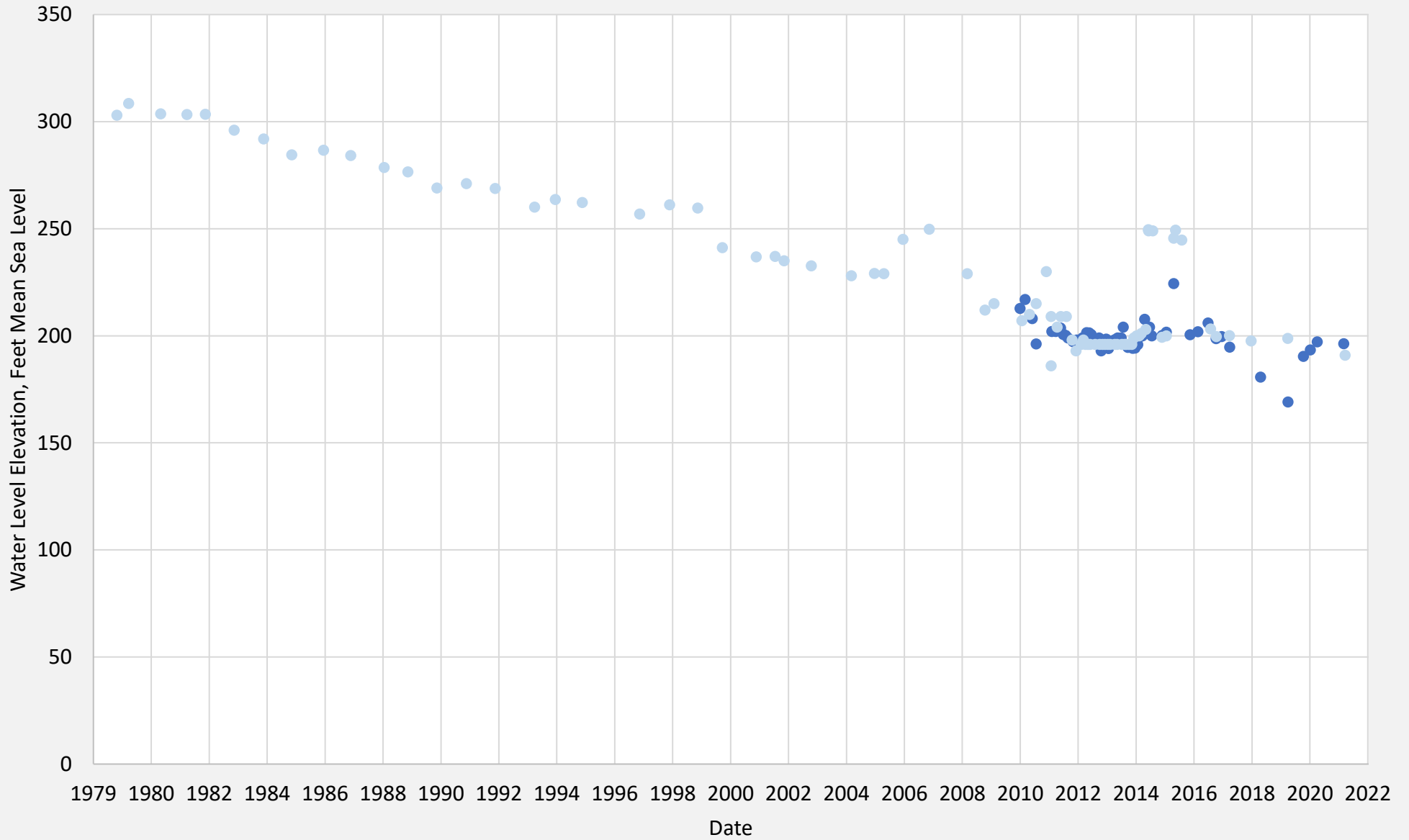


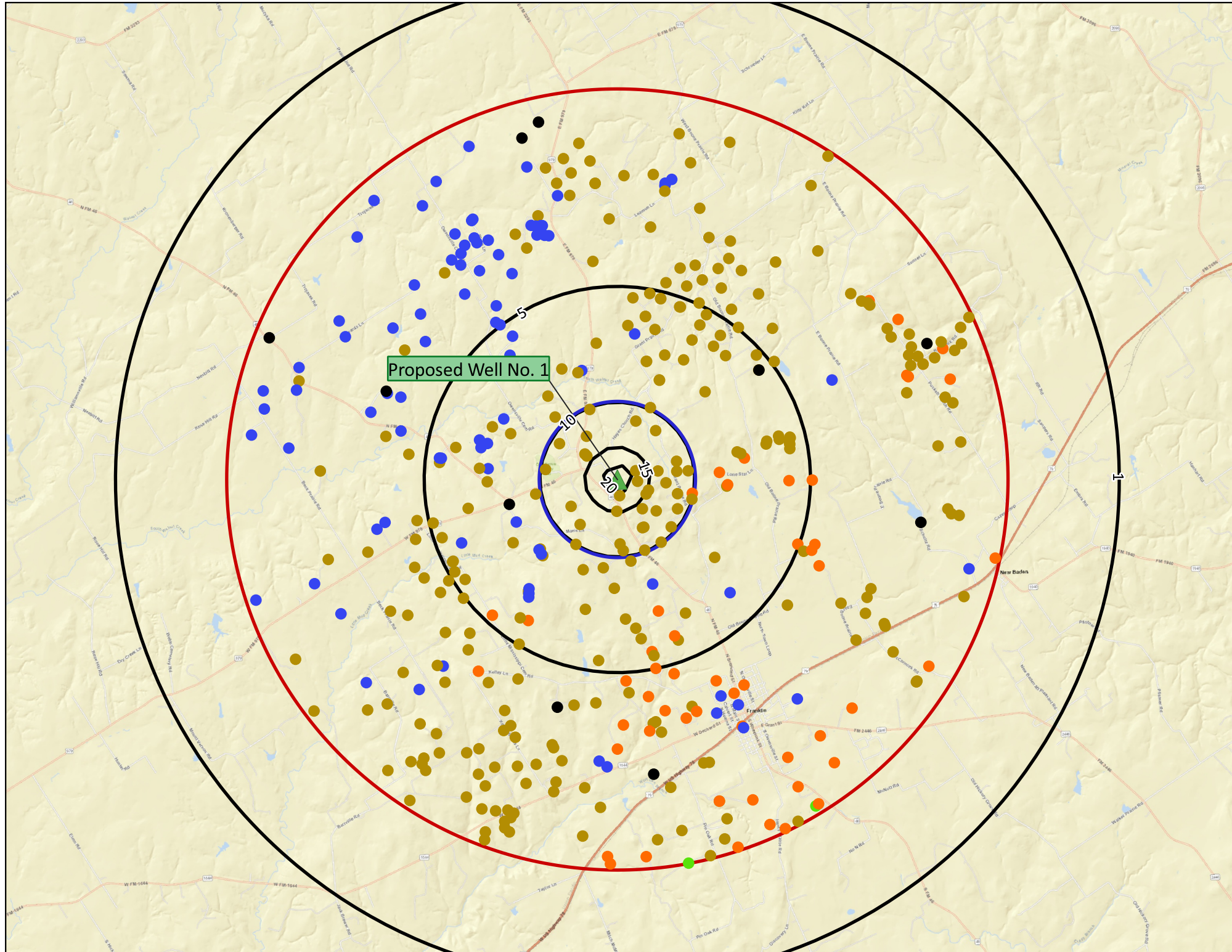
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Figure 4a - BVGCD Wells Within
1 Mile of Proposed Well



Figure 5. Historical Local Water Level

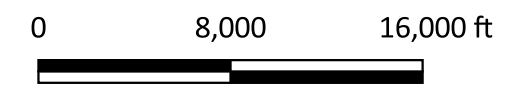




Explanation

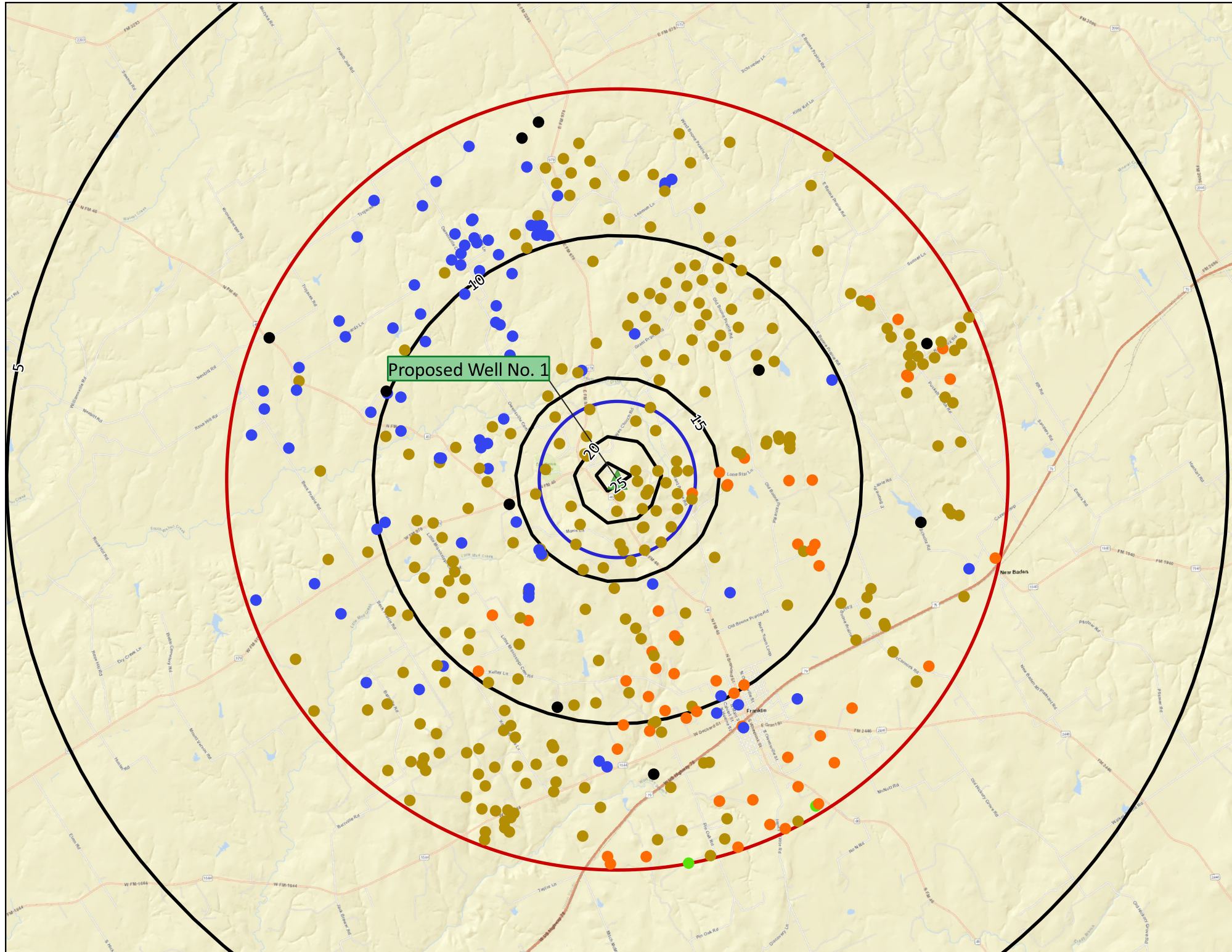
- ▲ Proposed Well
- BVGCD Registered or Permitted Well Within 5 Miles of Proposed Well by Aquifer
- Queen City
- Carrizo
- Calvert Bluff
- Simsboro
- Unknown
- 1 Mile Radius
- 5 Mile Radius
- 1 Year Simulated Drawdown Contour Interval = 5 Feet

Analytical model was used to simulate drawdown using the Theis equation. Transmissivity = 40,000 gpd/ft, Storage = 0.005, Time = 1 year.












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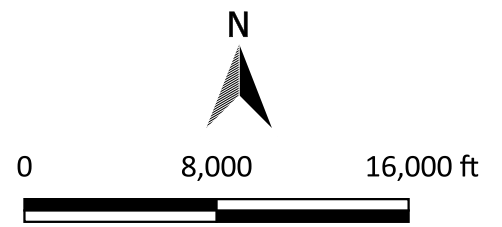
Figure 6 - Theis - Simulated Drawdown After 1 Year



Explanation

-  Proposed Well
- BVGCD Registered or Permitted Well Within 5 Miles of Proposed Well by Aquifer
-  Queen City
-  Carrizo
-  Calvert Bluff
-  Simsboro
-  Unknown
-  1 Mile Radius
-  5 Mile Radius
-  10 Year Simulated Drawdown Contour Interval = 5 Feet

Analytical model was used to simulate drawdown using the Theis equation. Transmissivity = 40,000 gpd/ft, Storage = 0.005, Time = 10 year.



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Figure 7 - Theis - Simulated Drawdown After 10 Year