

## Appendix Y - Groundwater Contours

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This appendix includes groundwater elevation and depth to water contour maps for the following periods:

- Figure Y-1: Fall 2017 Groundwater Elevation
- Figure Y-2: Fall 2017 Depth to Water
- Figure Y-3: Spring 2017 Groundwater Elevation
- Figure Y-4: Spring 2017 Depth to Water
- Figure Y-5: Spring 2015 Groundwater Elevation
- Figure Y-6: Spring 2015 Depth to Water
- Figure Y-7: Fall 2014 Groundwater Elevation
- Figure Y-8: Fall 2014 Depth to Water

Descriptions of each contour map are included in 2.2.3 Groundwater Trends.

DRAFT



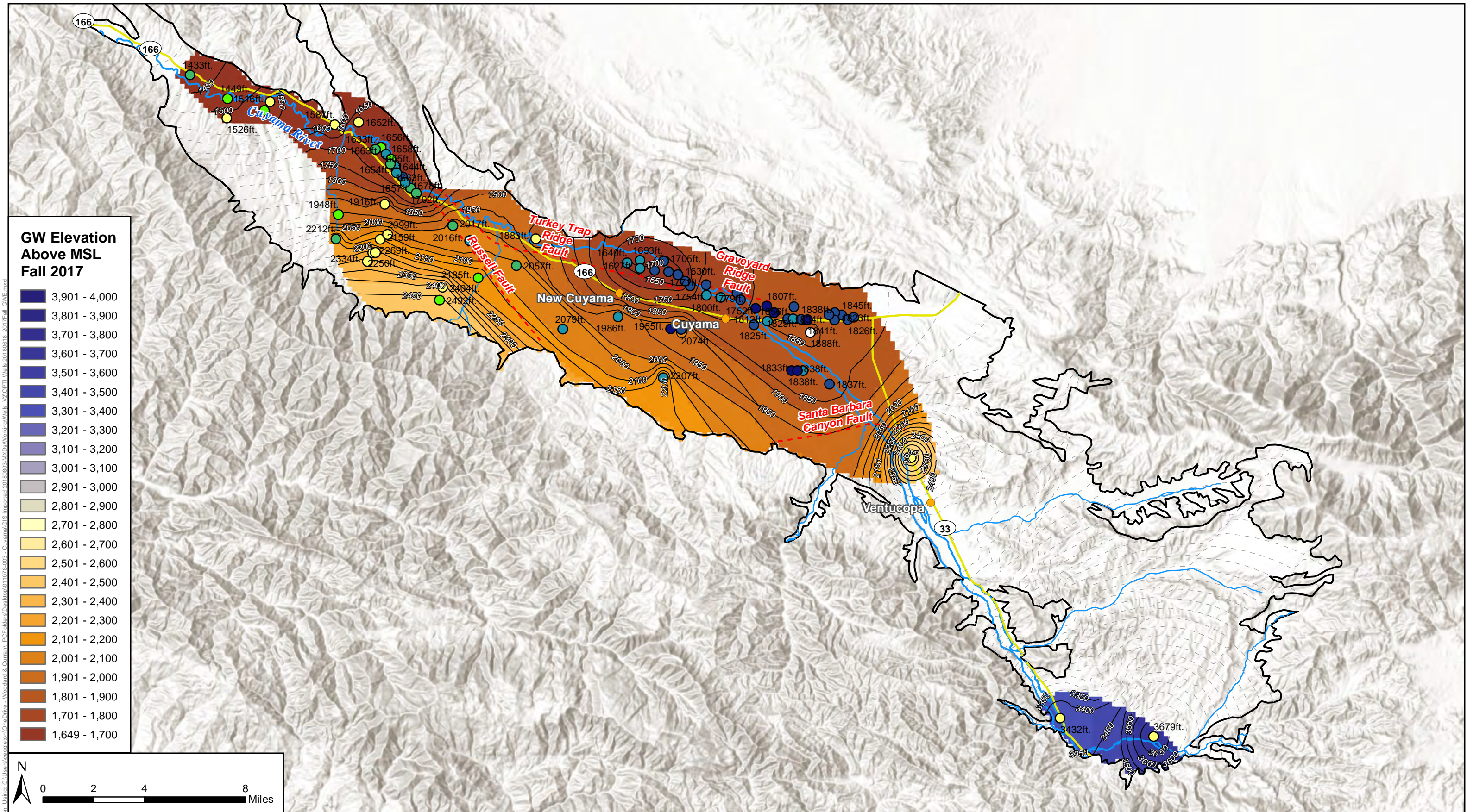
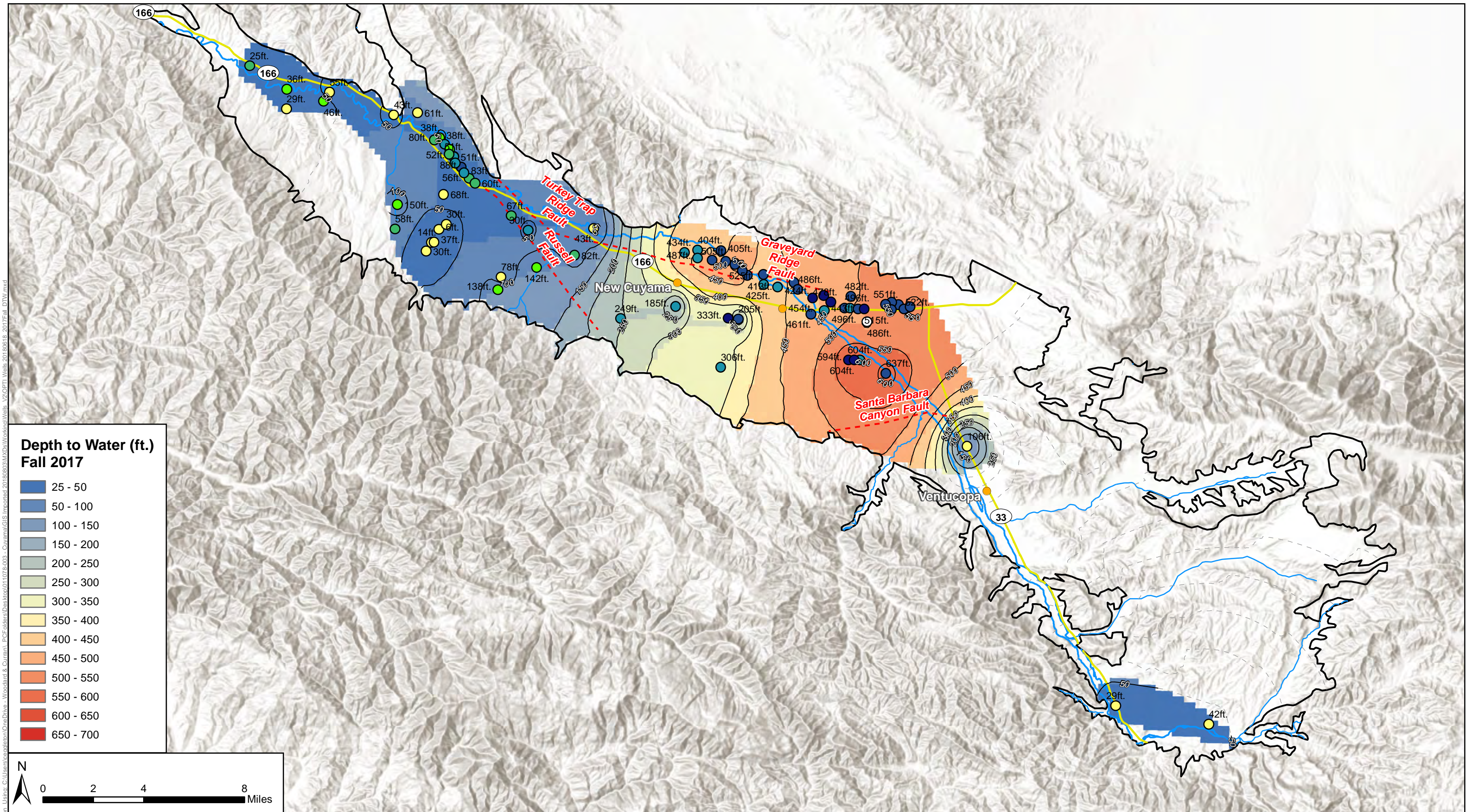


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**Figure Y-2: Fall 2017  
Depth to Water**

Cuyama Basin Groundwater Sustainability Agency  
Cuyama Valley Groundwater Basin Groundwater Sustainability Plan  
August 2018



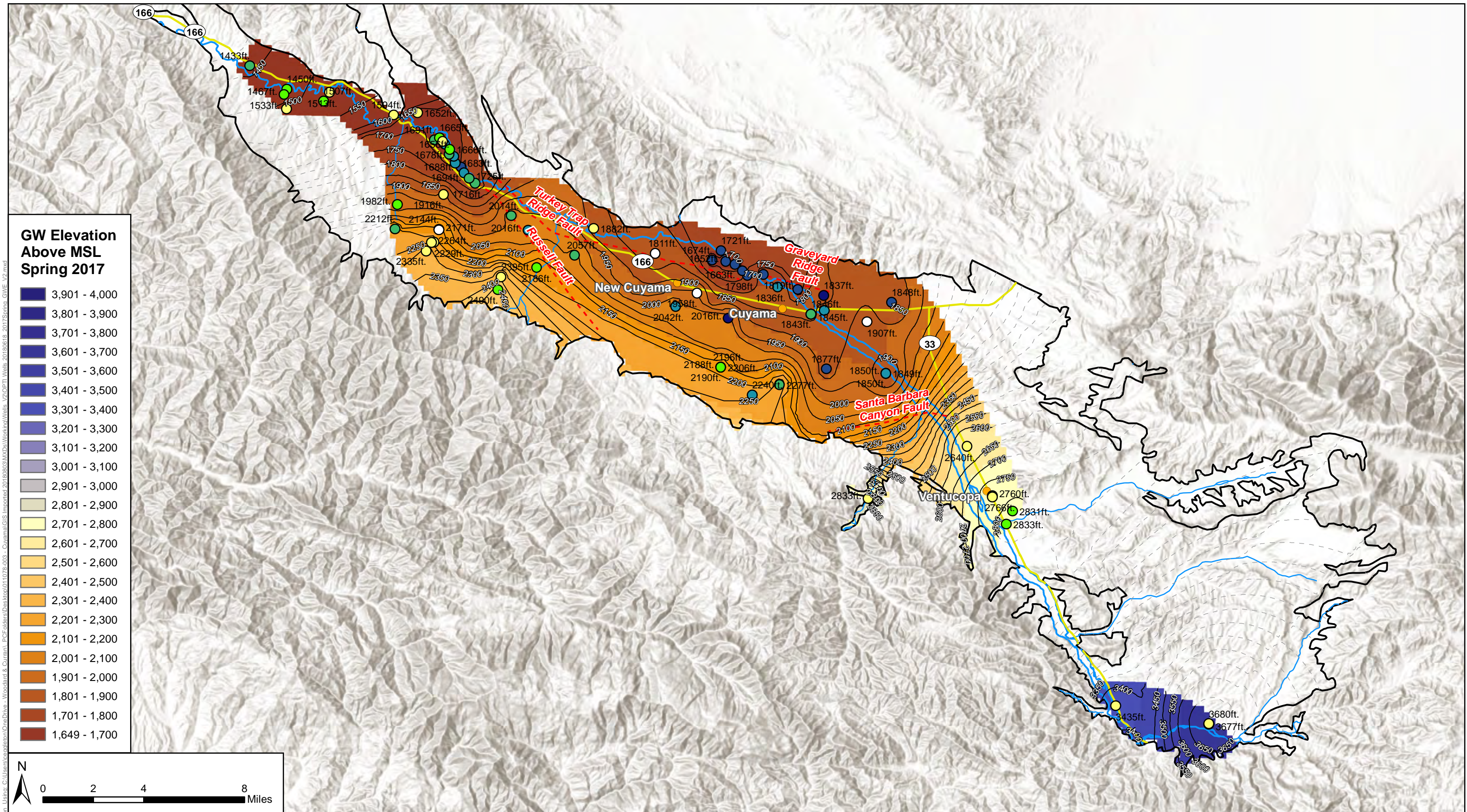
- Legend**
- Cuyama Basin
  - Cuyama River
  - - - Faults
  - Groundwater Depth-to-Water Contours below Groundsurface
  - - - Inferred Groundwater Depth-to-Water Contours Below Groundsurface

- Well Depth Below GSE**
- |                |                    |
|----------------|--------------------|
| ○ Unknown      | ● 600 - 800 ft     |
| ● 0 - 200 ft   | ● 800 - 1,000 ft   |
| ● 200 - 400 ft | ● 1,000 - 1,200 ft |
| ● 400 - 600 ft |                    |

Contours were interpolated using data measured from 8/1/2017 - 11/30/2017 due to limited data availability.  
Contours Interval: 50 ft.

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**GW Elevation Above MSL Spring 2017**

- 3,901 - 4,000
- 3,801 - 3,900
- 3,701 - 3,800
- 3,601 - 3,700
- 3,501 - 3,600
- 3,401 - 3,500
- 3,301 - 3,400
- 3,201 - 3,300
- 3,101 - 3,200
- 2,901 - 3,000
- 2,801 - 2,900
- 2,701 - 2,800
- 2,601 - 2,700
- 2,501 - 2,600
- 2,401 - 2,500
- 2,301 - 2,400
- 2,201 - 2,300
- 2,101 - 2,200
- 2,001 - 2,100
- 1,901 - 2,000
- 1,801 - 1,900
- 1,701 - 1,800
- 1,649 - 1,700



**Figure Y-3: Spring 2017 Groundwater Elevation**

Cuyama Basin Groundwater Sustainability Agency  
 Cuyama Valley Groundwater Basin Groundwater Sustainability Plan  
 August 2018



**Legend**

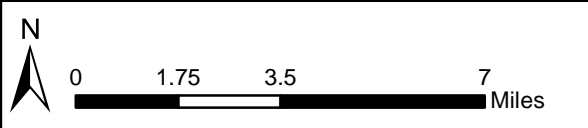
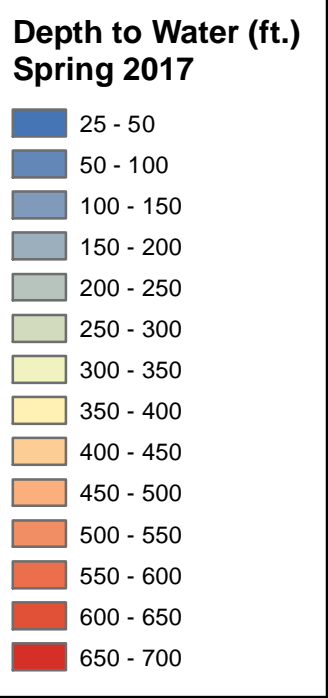
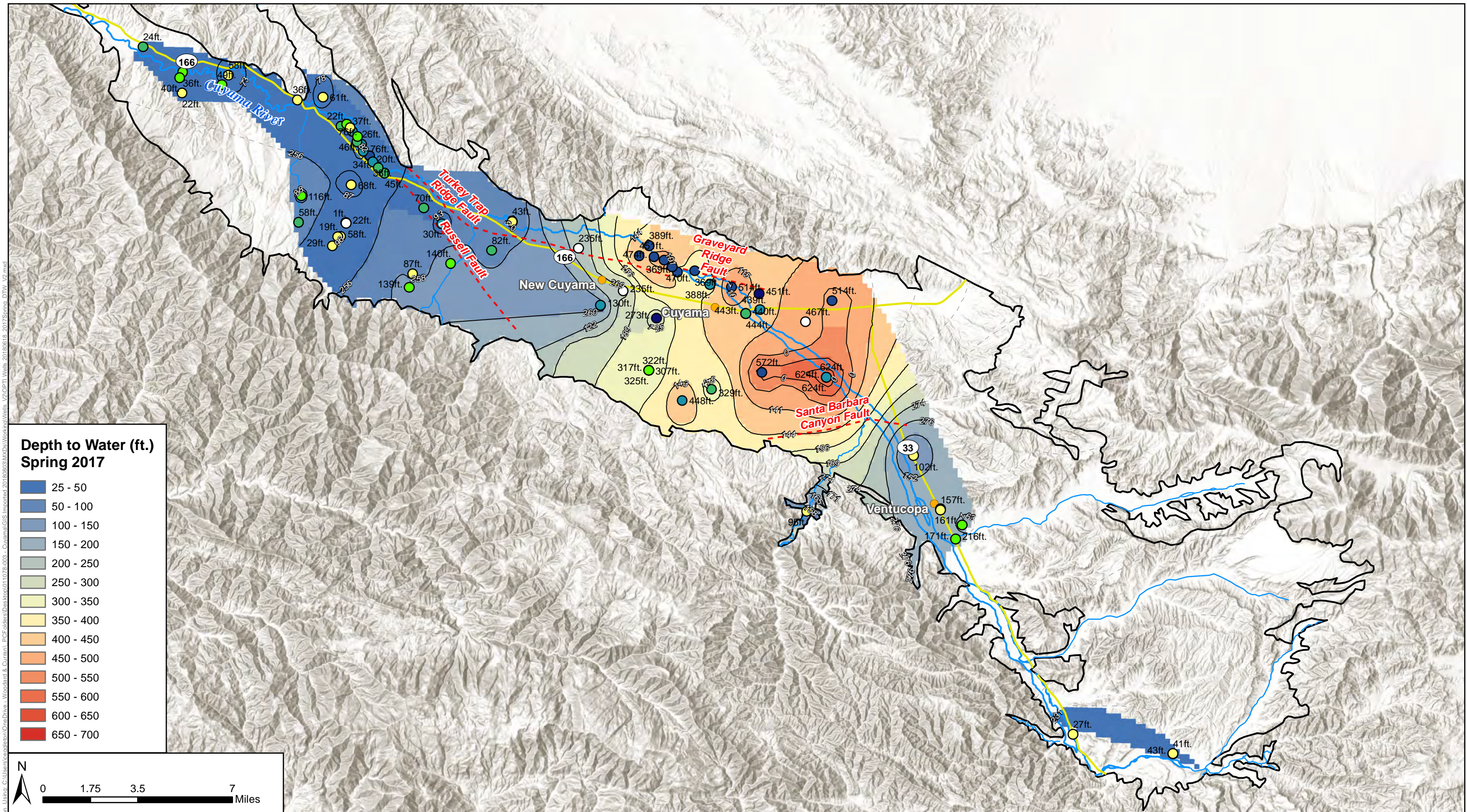
- Cuyama Basin
- Cuyama River
- - - Faults
- Groundwater Elevation Above MSL
- - - Inferred Groundwater Elevation Above MSL

- Well Depth Below GSE**
- Unknown
  - 600 - 800 ft
  - 0 - 200 ft
  - 800 - 1,000 ft
  - 200 - 400 ft
  - 1,000 - 1,200 ft
  - 400 - 600 ft

Contours were interpolated using data measured from 1/1/2017 - 4/30/2017 due to limited data availability.  
 Contours Interval: 50 ft.

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**Figure Y-4: Spring 2017  
Depth to Water**

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August 2018



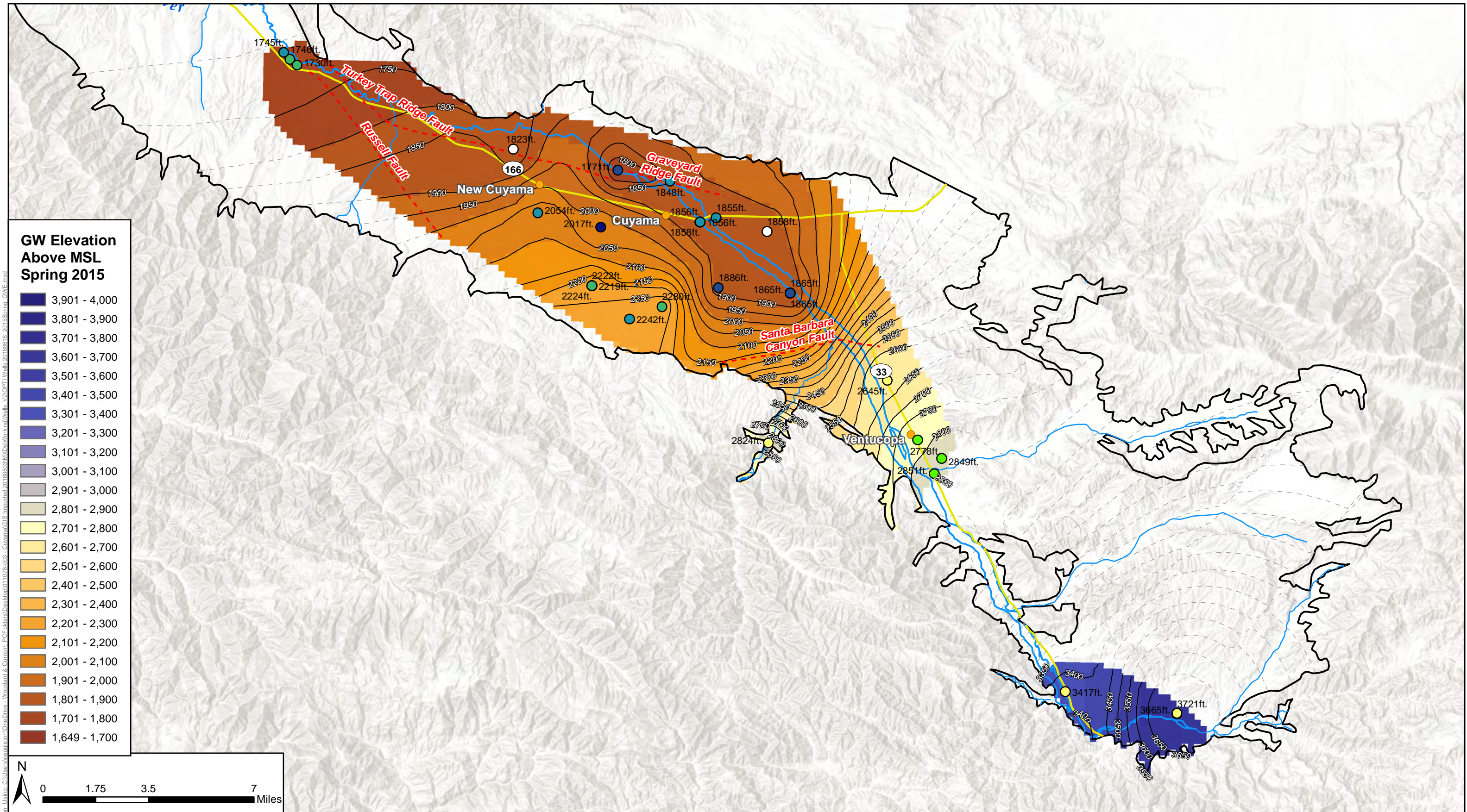
- Legend**
- Cuyama Basin
  - Cuyama River
  - - - Faults
  - Groundwater Depth-to-Water Contours Below Groundsurface
  - - - Inferred Groundwater Depth-to-Water Contours Below Groundsurface

- Well Depth Below GSE**
- Unknown
  - 0 - 200 ft
  - 200 - 400 ft
  - 400 - 600 ft
  - 600 - 800 ft
  - 800 - 1,000 ft
  - 1,000 - 1,200 ft

Contours were interpolated using data measured from 1/1/2017 - 4/30/2017 due to limited data availability.  
Contours Interval: 50 ft.

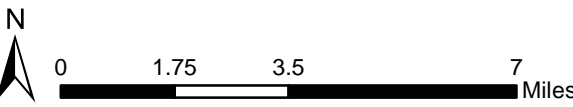
Figure Exported: 8/20/2018 8:20:20 AM by: ceaplinton Using: C:\Users\ceaplinton\OneDrive - Woodard & Curran\PCF\Projects\Desks\11078-003 - Cuyama\GIS\Imported\2018\80803\MXD\Working\Wells\_V2\OPFI\Wells\_20180818\_2017Spring\_DTW\_V2.mxd





**GW Elevation Above MSL Spring 2015**

- 3,901 - 4,000
- 3,801 - 3,900
- 3,701 - 3,800
- 3,601 - 3,700
- 3,501 - 3,600
- 3,401 - 3,500
- 3,301 - 3,400
- 3,201 - 3,300
- 3,001 - 3,100
- 2,901 - 3,000
- 2,801 - 2,900
- 2,701 - 2,800
- 2,601 - 2,700
- 2,501 - 2,600
- 2,401 - 2,500
- 2,301 - 2,400
- 2,201 - 2,300
- 2,101 - 2,200
- 2,001 - 2,100
- 1,901 - 2,000
- 1,801 - 1,900
- 1,701 - 1,800
- 1,649 - 1,700



**Figure Y-5: Spring 2015 Groundwater Elevation**

Cuyama Basin Groundwater Sustainability Agency

Cuyama Valley Groundwater Basin Groundwater Sustainability Plan

August 2018



**Legend**

- Cuyama Basin
- Cuyama River
- - - Faults
- Groundwater Elevation Above MSL
- - - Inferred Groundwater Elevation Above MSL

- Well Depth Below GSE**
- Unknown
  - 0 - 200 ft
  - 200 - 400 ft
  - 400 - 600 ft
  - 600 - 800 ft
  - 800 - 1,000 ft
  - 1,000 - 1,200 ft

Contours were interpolated using data measured from 2/1/2015 - 4/30/2015 due to limited data availability.

Contours Interval: 50 ft.



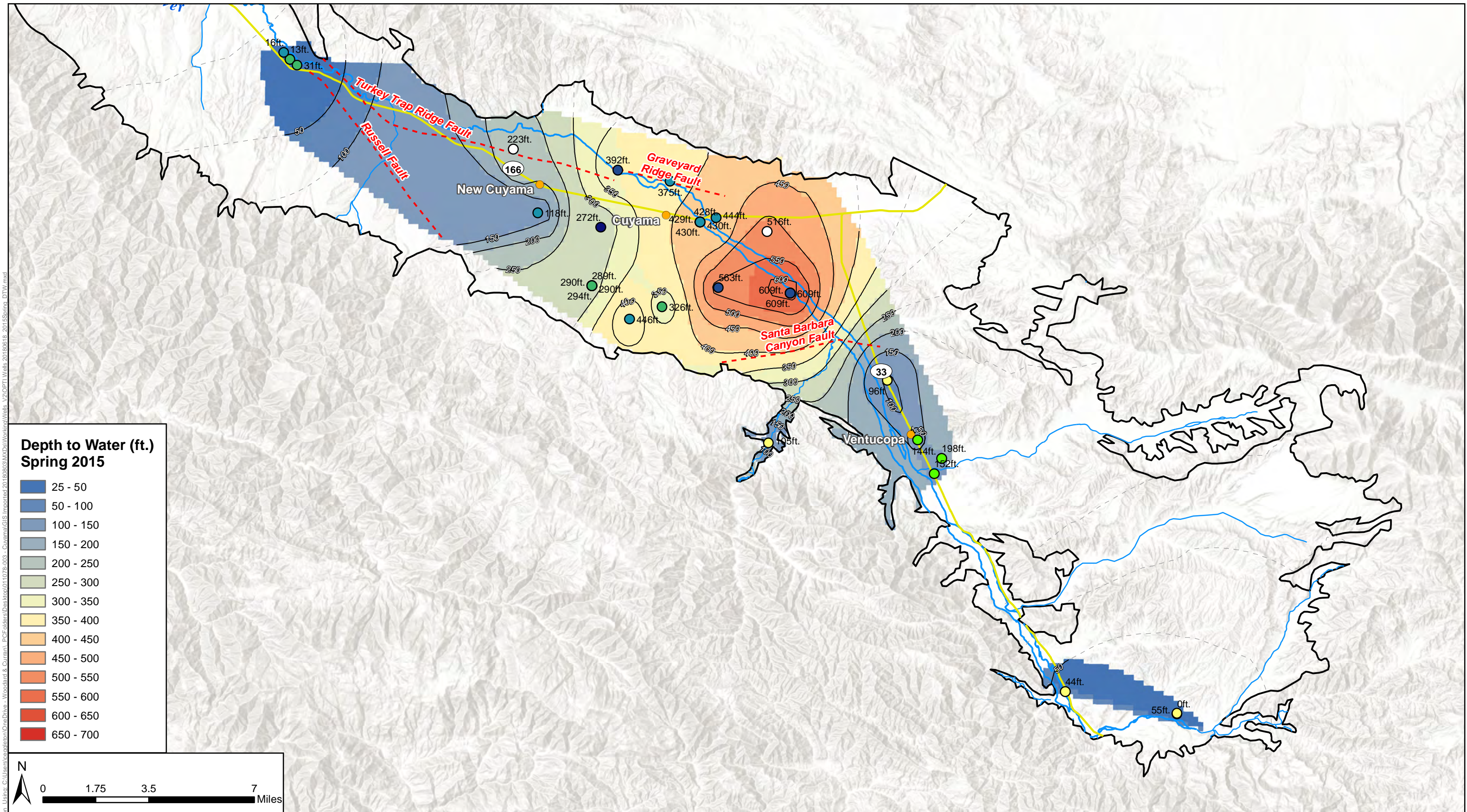
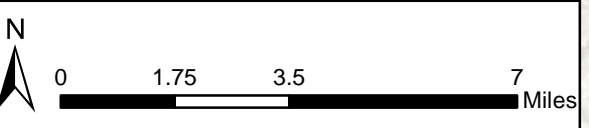


Figure Exported: 8/20/2018 8:20:2018 By: ceaplinton Using: C:\Users\ceaplinton\OneDrive - Woodard & Curran\PCF\Projects\Desks\011078-003 - Cuyama\GIS\Imported\20180803\Mapa\Working\Wells\_V2\OPFI\Wells\_20180818\_20155Spring\_DTW.mxd

**Depth to Water (ft.)  
Spring 2015**

|           |
|-----------|
| 25 - 50   |
| 50 - 100  |
| 100 - 150 |
| 150 - 200 |
| 200 - 250 |
| 250 - 300 |
| 300 - 350 |
| 350 - 400 |
| 400 - 450 |
| 450 - 500 |
| 500 - 550 |
| 550 - 600 |
| 600 - 650 |
| 650 - 700 |



**Figure Y-6: Spring 2015  
Depth to Water**

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Cuyama Valley Groundwater Basin Groundwater Sustainability Plan  
August 2018



**Legend**

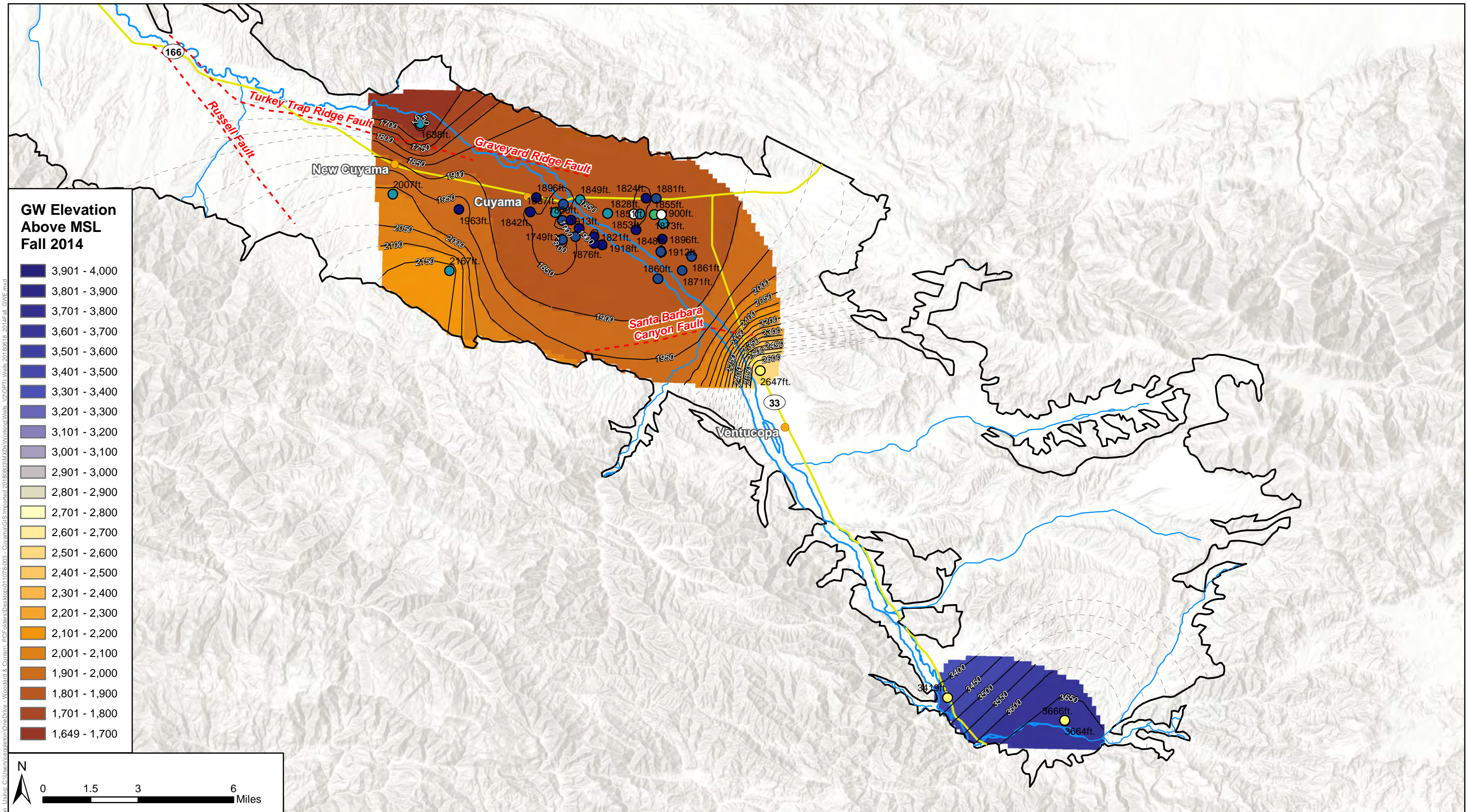
|  |  |
|--|--|
|  | Cuyama Basin   |
|  | Cuyama River   |
|  | Faults   |
|  | Groundwater Depth-to-Water Contours below Groundsurface          |
|  | Inferred Groundwater Depth-to-Water Contours below Groundsurface |

**Well Depth Below GSE**

|  |              |  |                  |
|--|--------------|--|------------------|
|  | Unknown      |  | 600 - 800 ft     |
|  | 0 - 200 ft   |  | 800 - 1,000 ft   |
|  | 200 - 400 ft |  | 1,000 - 1,200 ft |
|  | 400 - 600 ft |  |                  |

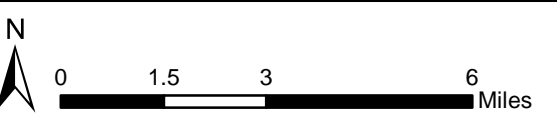
Contours were interpolated using data measured from 2/1/2015 - 4/30/2015 due to limited data availability.  
Contours Interval: 50 ft.





**GW Elevation Above MSL Fall 2014**

- 3,901 - 4,000
- 3,801 - 3,900
- 3,701 - 3,800
- 3,601 - 3,700
- 3,501 - 3,600
- 3,401 - 3,500
- 3,301 - 3,400
- 3,201 - 3,300
- 3,101 - 3,200
- 3,001 - 3,100
- 2,901 - 3,000
- 2,801 - 2,900
- 2,701 - 2,800
- 2,601 - 2,700
- 2,501 - 2,600
- 2,401 - 2,500
- 2,301 - 2,400
- 2,201 - 2,300
- 2,101 - 2,200
- 2,001 - 2,100
- 1,901 - 2,000
- 1,801 - 1,900
- 1,701 - 1,800
- 1,649 - 1,700



**Figure Y-7: Fall 2014 Groundwater Elevation**

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 August 2018



**Legend**

- Cuyama Basin
- Cuyama River
- - - Faults
- Groundwater Elevation Above MSL
- - - Inferred Groundwater Elevation Above MSL

**Well Depth Below GSE**

- Unknown
- 600 - 800 ft
- 0 - 200 ft
- 800 - 1000 ft
- 200 - 400 ft
- 1,000 - 1,200 ft
- 400 - 600 ft

Contours were interpolated using data measured from 9/1/2014 - 11/30/2014 due to limited data availability.  
 Contours Interval: 50 ft.

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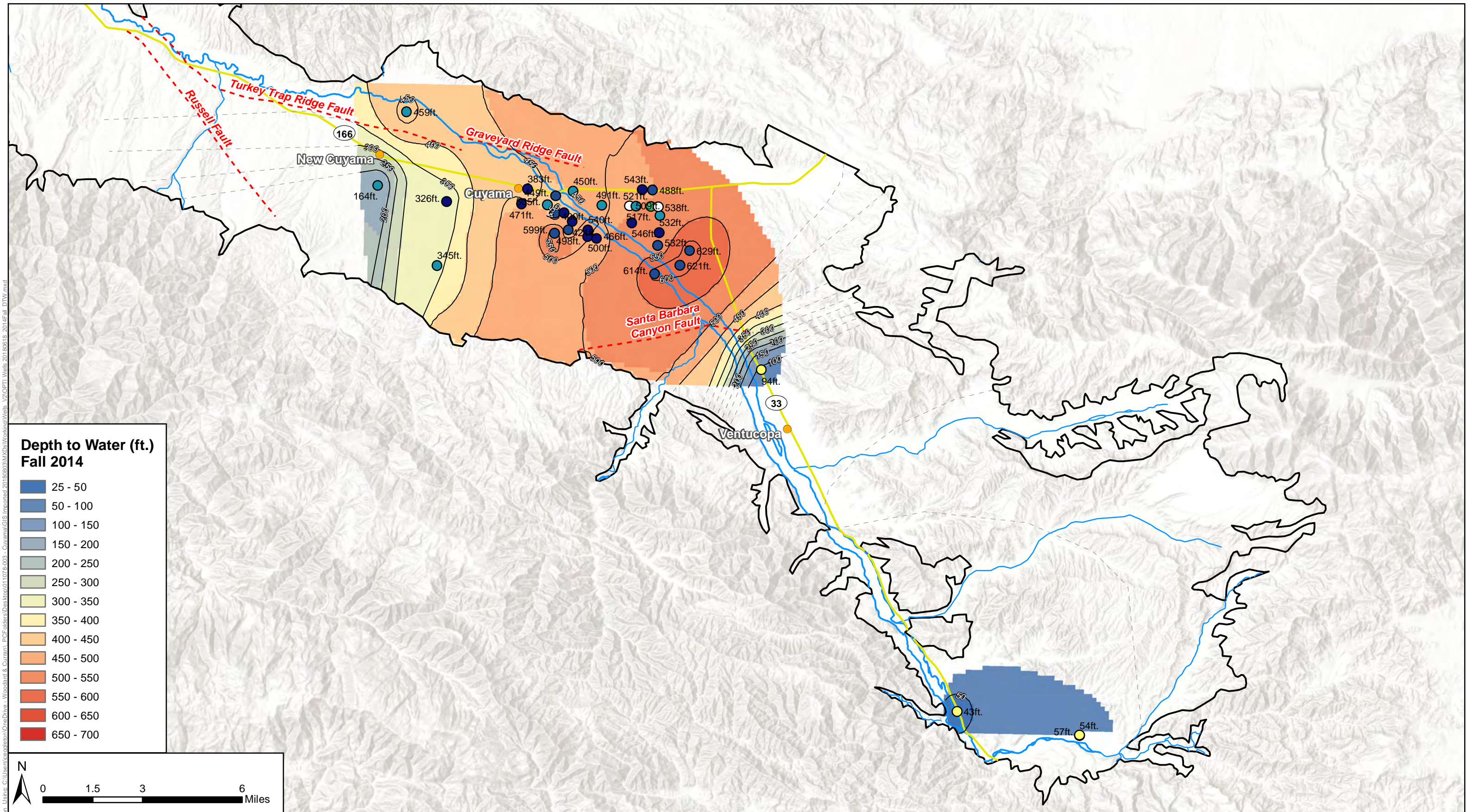


Figure Exported: 8/20/2018 8:20:2018 Bv: ceaplinton Using: C:\Users\schepelton\OneDrive - Woodard & Curran\PCF\Projects\Deskskop\011078-003 - CuyamaGIS\Imported\2018\80803\MXD\BAs\Working\Wells\_V2\OPTI\Wells\_2018\Fall\_DTW.mxd

**Depth to Water (ft.)  
Fall 2014**

|           |
|-----------|
| 25 - 50   |
| 50 - 100  |
| 100 - 150 |
| 150 - 200 |
| 200 - 250 |
| 250 - 300 |
| 300 - 350 |
| 350 - 400 |
| 400 - 450 |
| 450 - 500 |
| 500 - 550 |
| 550 - 600 |
| 600 - 650 |
| 650 - 700 |

N

0 1.5 3 6 Miles

**Figure Y-8: Fall 2014  
Depth to Water**

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August 2018



**Legend**

- Cuyama Basin
- Cuyama River
- Faults
- Groundwater Depth-to-Water Contours below Groundsurface
- Inferred Groundwater Depth-to-Water Contours below Groundsurface

**Well Depth Below GSE**

|   |  |
|---|--|
| <span style="border: 1px solid black; border-radius: 50%; width: 10px; height: 10px; display: inline-block;"></span> Unknown      | <span style="border: 1px solid blue; border-radius: 50%; width: 10px; height: 10px; display: inline-block;"></span> 600 - 800 ft         |
| <span style="border: 1px solid yellow; border-radius: 50%; width: 10px; height: 10px; display: inline-block;"></span> 0 - 200 ft  | <span style="border: 1px solid darkblue; border-radius: 50%; width: 10px; height: 10px; display: inline-block;"></span> 800 - 1,000 ft   |
| <span style="border: 1px solid green; border-radius: 50%; width: 10px; height: 10px; display: inline-block;"></span> 200 - 400 ft | <span style="border: 1px solid darkblue; border-radius: 50%; width: 10px; height: 10px; display: inline-block;"></span> 1,000 - 1,200 ft |
| <span style="border: 1px solid green; border-radius: 50%; width: 10px; height: 10px; display: inline-block;"></span> 400 - 600 ft |  |

Contours were interpolated using data measured from 9/1/2014 - 11/30/2014 due to limited data availability.  
Contours Interval: 50 ft.