

# Unit Well #29



Drilled: 2002  
Diameter: 29"/24"  
Well Depth: 815'  
Casing Depth: 342'  
Eau Claire Depth: 290' (aquitar)  
Aquifer: Mt. Simon Formation

Deepwell Horsepower: 250 (vfd)  
Deepwell Capacity: 2,200 gpm  
Specific Capacity: 16.9 gpm/ft  
Static Water Level: 105'  
Pumping Water Level: 170'

Reservoir Capacity: 414,000 gallons (aboveground)  
Booster Pump Horsepower: 125 (vfds)  
Booster Pump Capacity: 2,100 gpm (two pumps)

Average Daily Use of Well in 2010: 1.6 million gallons

# Unit Well #29 Filter

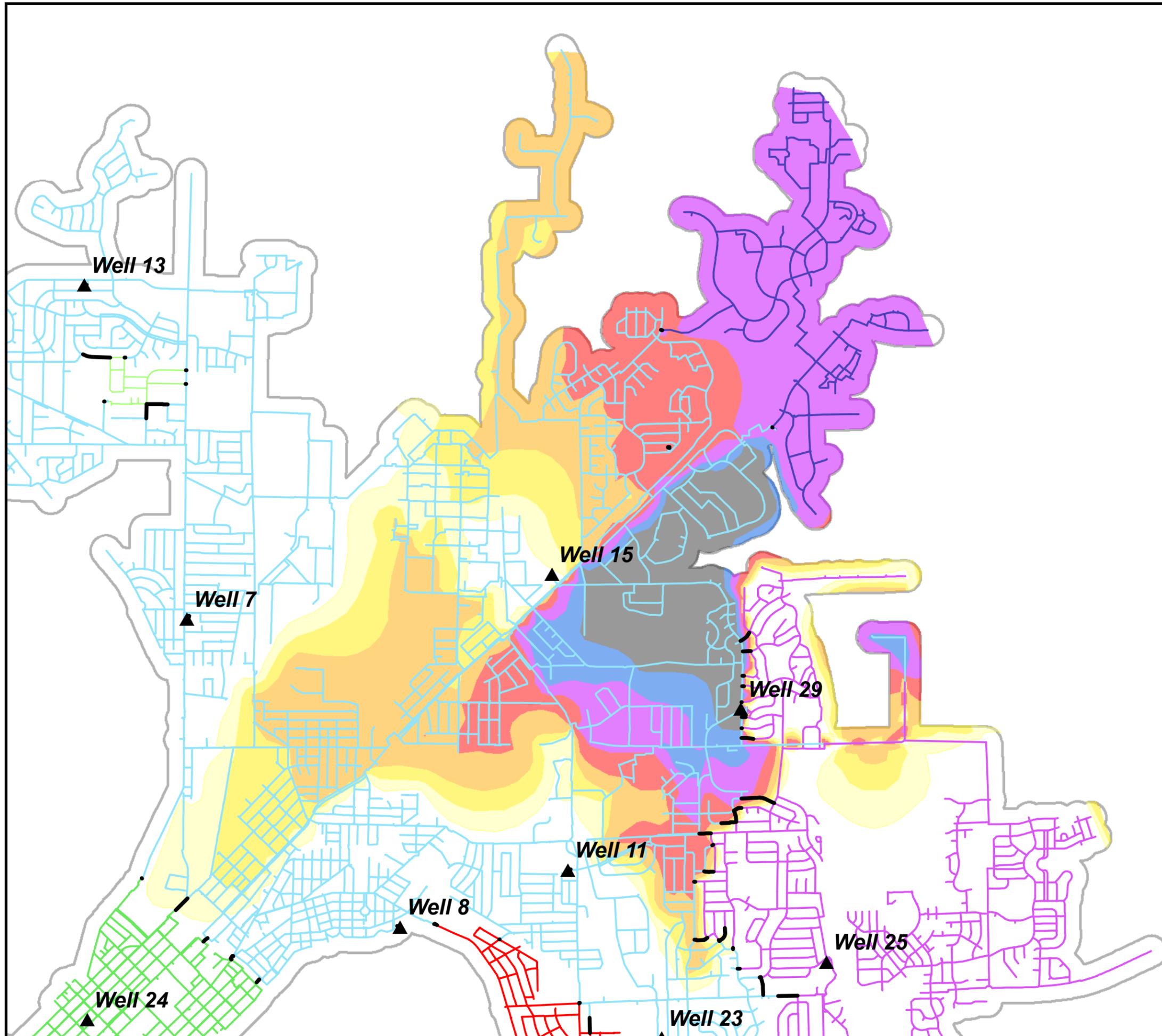
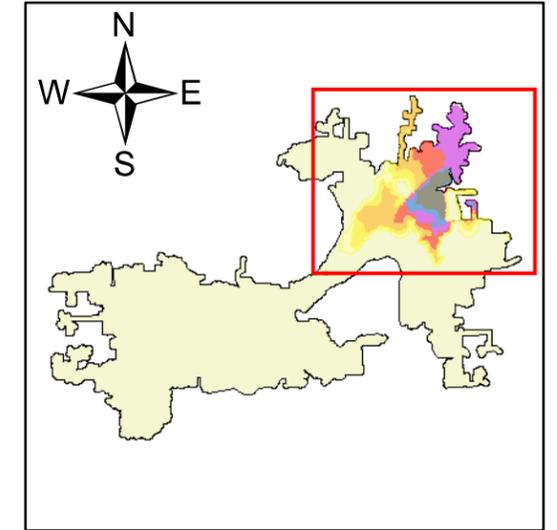


Installed: 2009  
Number of Pressure Tanks: 8  
Filter Media: Pyrolusite (Manganese Oxide)  
Capacity: 1,100 gpm

Backwash Cycle: Every 21 Hours  
Backwash Volume: 15,000 gallons  
Recycle Volume: 13,500 gallons  
Waste Water Volume: 1,500 gallons

2010 Manganese Removal Rate: 92.3%  
2010 Iron Removal Rate: 94.6%

# Summer, Well 29 Influence Zone



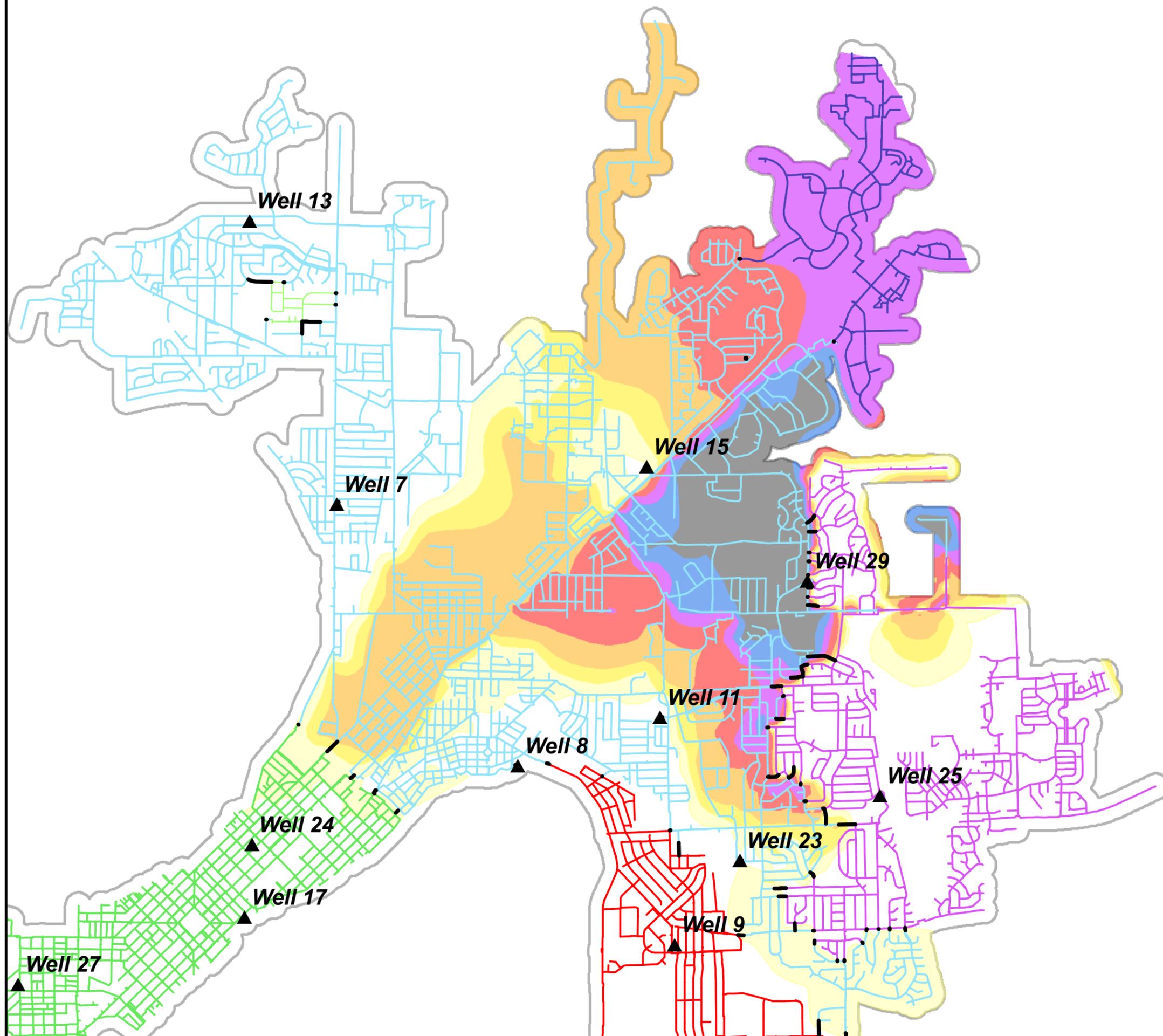
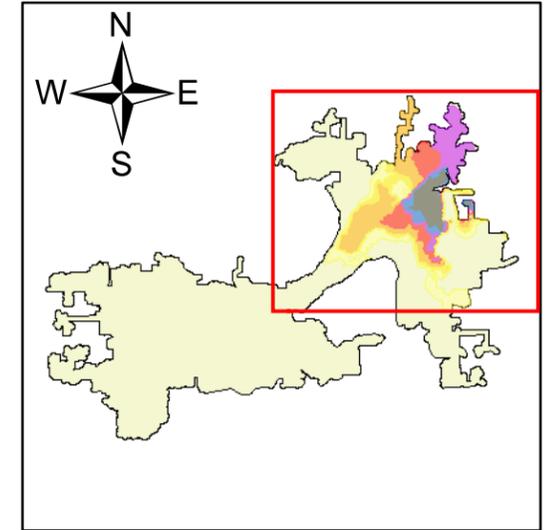
## Legend

- |                              |                              |
|------------------------------|------------------------------|
| <b>Pipe by Pressure Zone</b> | ▲ Well                       |
| — Closed Boundary            | ▭ Study Limits               |
| 1                            | <b>Source Range, Percent</b> |
| 10                           | 1-5                          |
| 11                           | 5-10                         |
| 3                            | 10-20                        |
| 4                            | 20-40                        |
| 5                            | 40-60                        |
| 6E                           | 60-80                        |
| 6W                           | 80-100                       |
| 7                            |                              |
| 8                            |                              |
| 9                            |                              |



Prepared by: JDM  
Date: 07/24/2009

# Winter, Well 29 Influence Zone



## Legend

- |                              |                              |
|------------------------------|------------------------------|
| <b>Pipe by Pressure Zone</b> | ▲ Well                       |
| — Closed Boundary            | ▭ Study Limits               |
| 1                            | <b>Source Range, Percent</b> |
| 10                           | 1-5                          |
| 11                           | 5-10                         |
| 3                            | 10-20                        |
| 4                            | 20-40                        |
| 5                            | 40-60                        |
| 6E                           | 60-80                        |
| 6W                           | 80-100                       |
| 7                            |                              |
| 8                            |                              |
| 9                            |                              |



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Date: 07/24/2009