

Pre-Council & Public Hearing Sites for Wells 16, 17 & 18

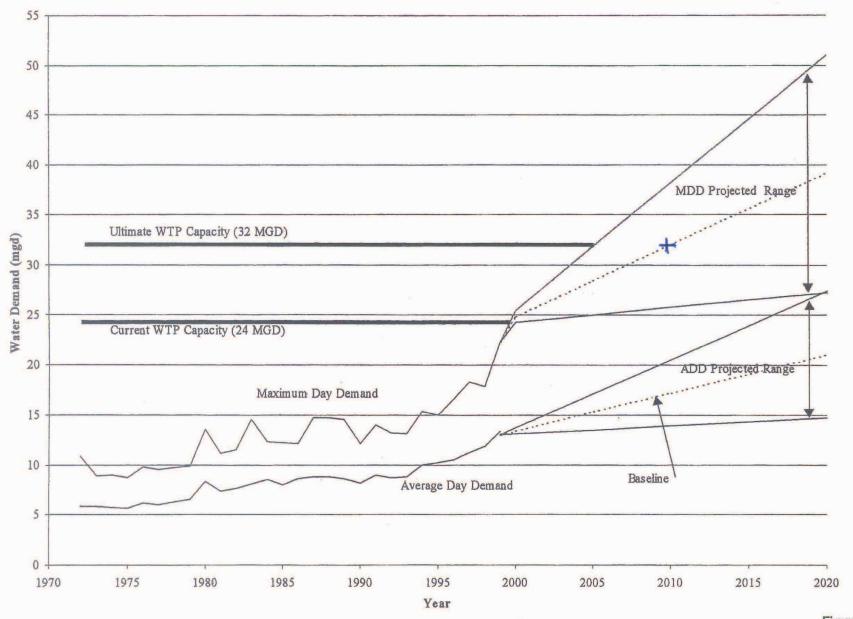
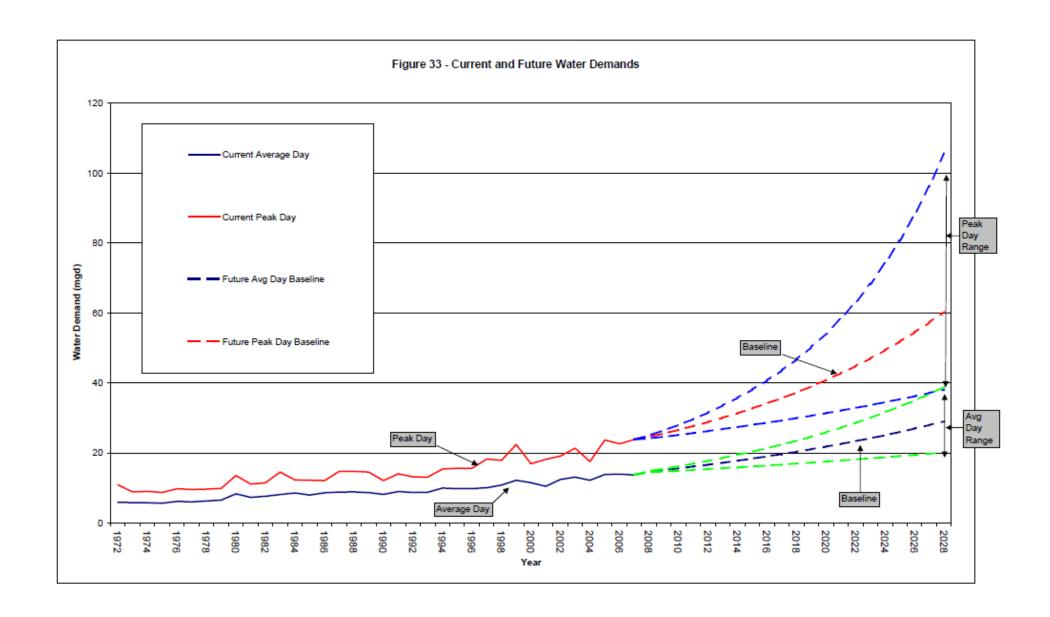
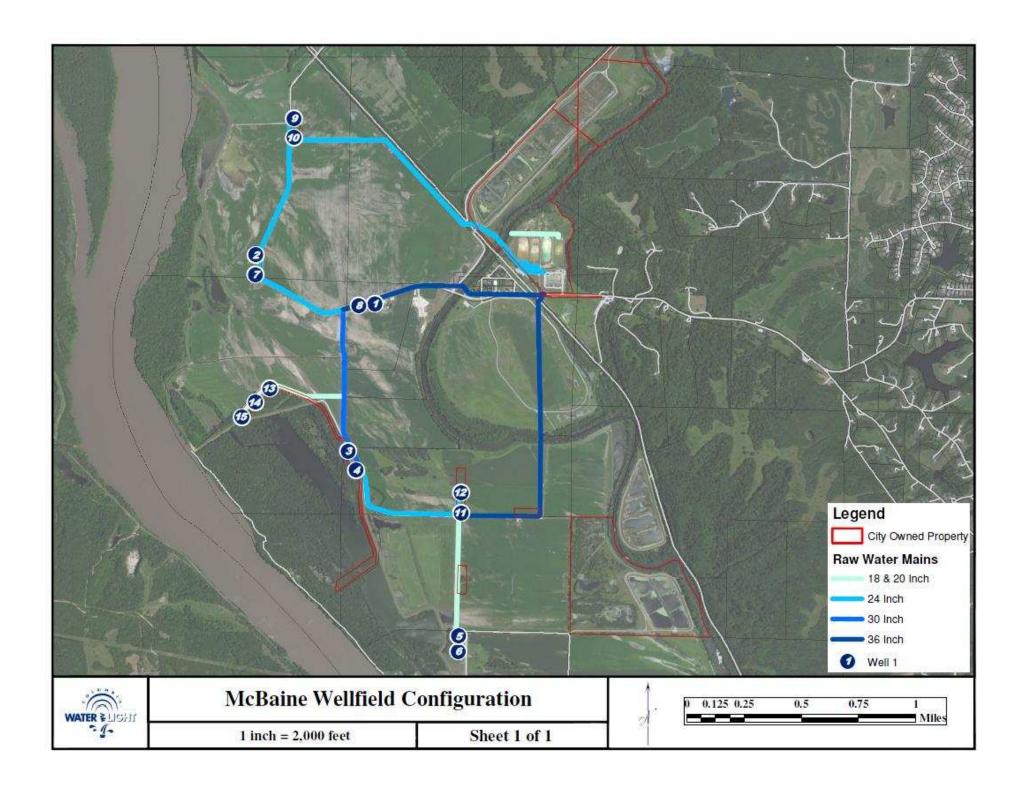


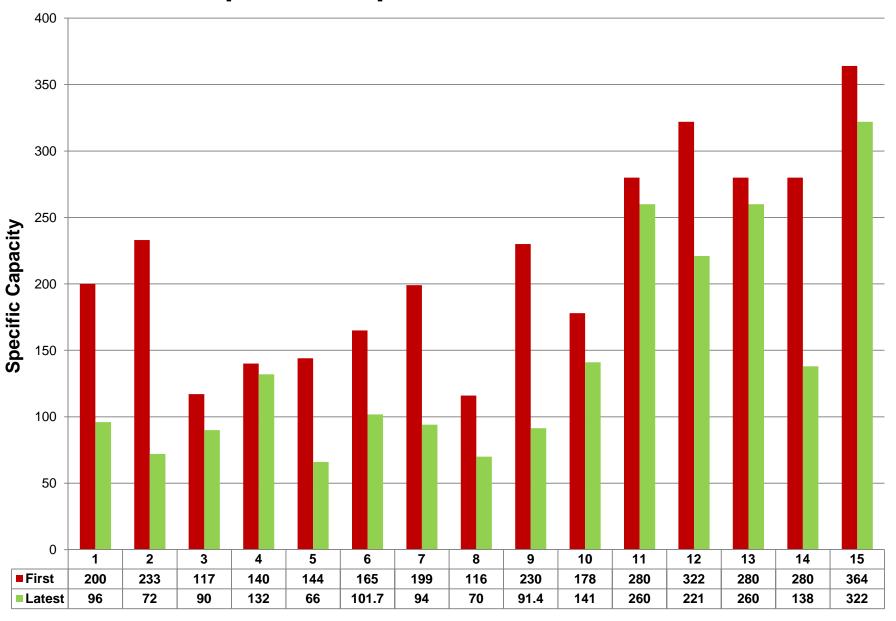
Figure 3 Water Demand Projections Columbia Water and Light Department



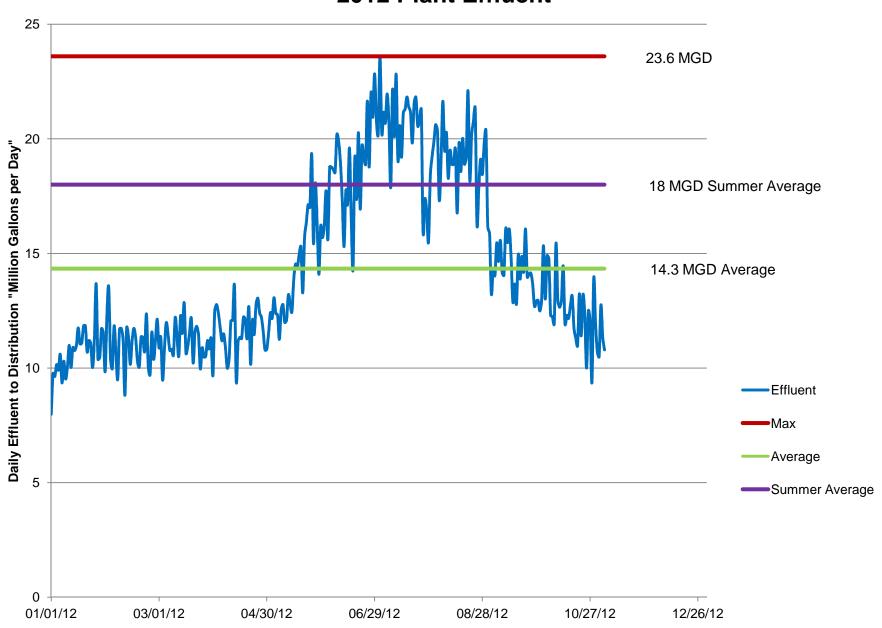


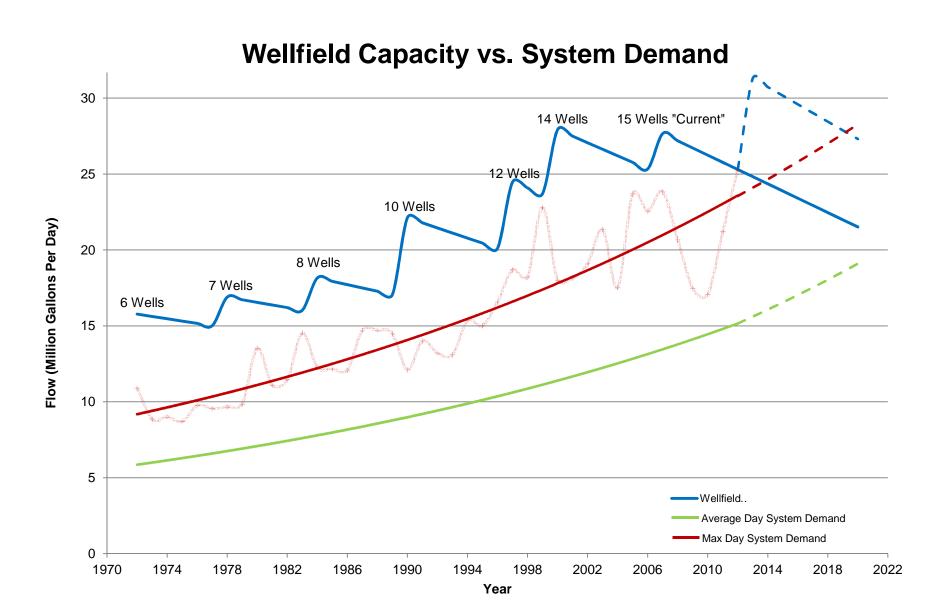


Well Specific Capacities- New vs. Current



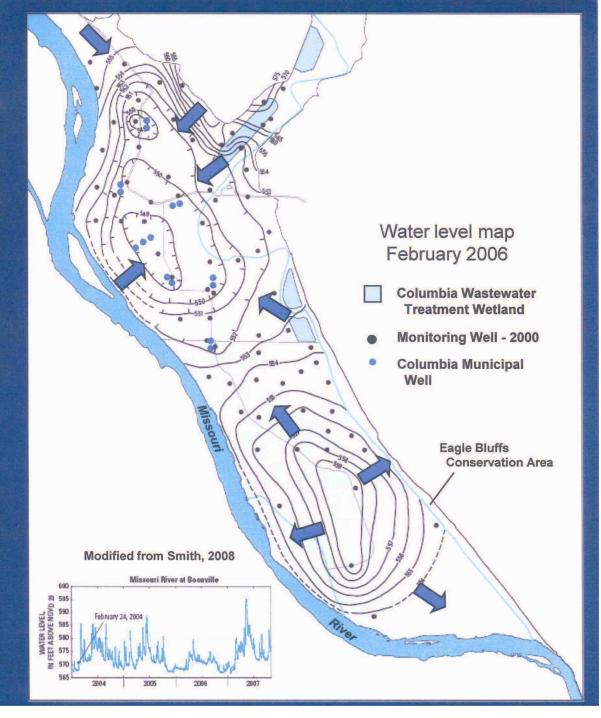
2012 Plant Effluent





Water Level Map Persistent Features

- Groundwater high in Eagle Bluffs CA
- Groundwater depression in the municipal well field
- Groundwater high beneath treatment wetland unit 1





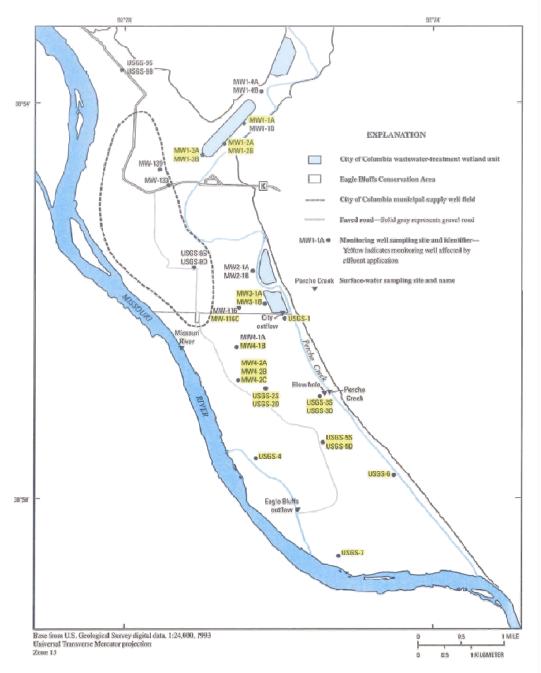
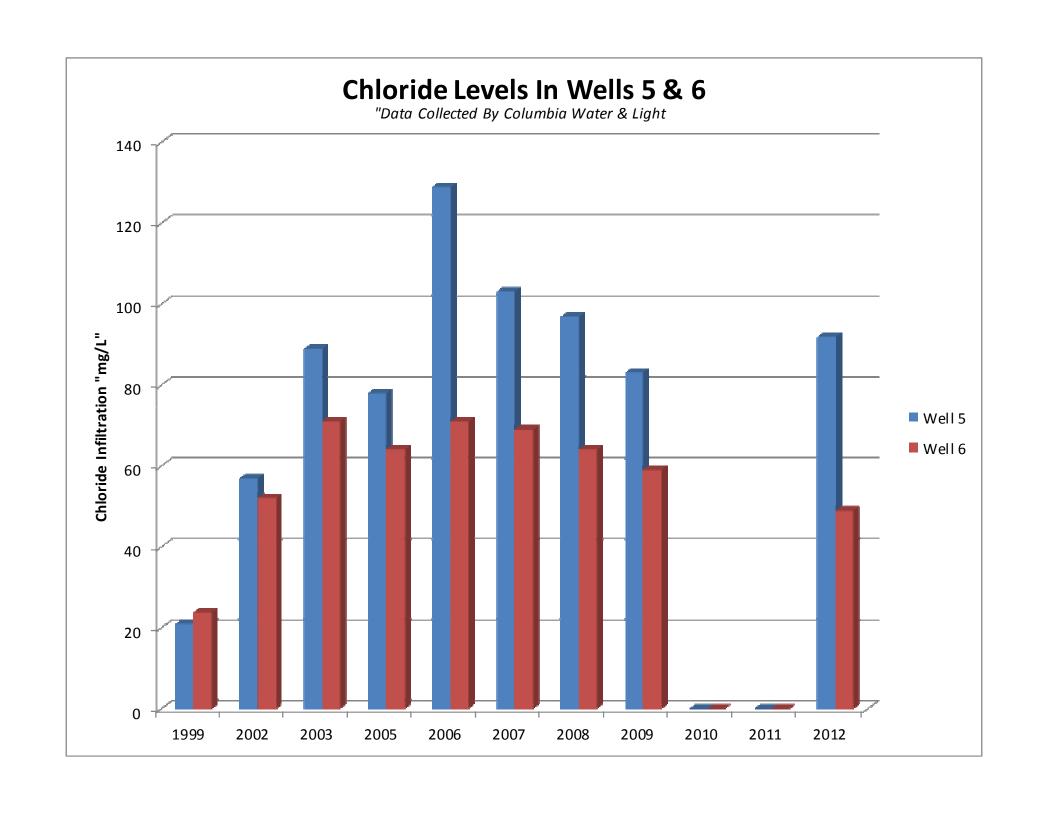


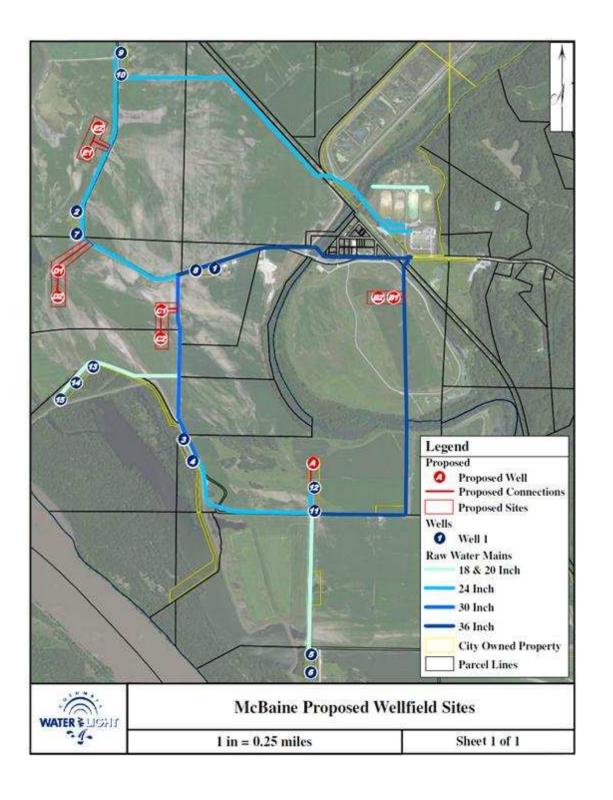
Figure 25. Location of monitoring wells that have been affected by effluent application.



Well Siting



- Placement Goals
 - Use Existing Infrastructure
 - Keep Future Options Open
 - Avoid Deepest Water Depression Areas
 - Reduce Surface Water Influences
 - Land Access to Well



Recommended Well Sites A and C



- Reason for Recommendation
 - Need additional pumping capacity
 - Best use of existing infrastructure
 - Keeps more options for future wells
 - Manageable influence from surface water
 - Best land access to wells

Future Steps

- Water Treatment Plant Studies
 - Expansion
 - Condition Assessment
- Water Modeling for McBaine Aquifer
- Long Range Water Planning Study
 - Transmission and Distribution Infrastructure Planning
 - Demand Forecast
- Water Management Planning
 - W&L Advisory Board Subcommittee
- Water Integrated Resource Plan
 - Current Goal of Water & Light Strategic Plan

