

## 2014 Benzene (C<sub>6</sub>H<sub>6</sub>) Concentrations in the Unconfined Aquifer

### Legend

- Open Unconfined Flow System Wells
  - Water Quality Tracking Wells
  - Chemical detected above the CSRG
  - Chemical detected at or below the CSRG
  - Chemical below the MRL
  - U.S. Army Maintained Area
  - USFWS Managed Area
  - Prairie Gateway Planned Unit Development
  - South Adams County
  - U.S. Post Office
  - Section Lines
  - Operational Areas
  - Basins
  - Unsaturated Alluvium (Developed using summer 2014 data)
  - Slurry Walls
  - Recharge Trenches
  - Intermittent Streams
  - Ditches, Canals
  - Sand Creek Lateral
  - 1994 Benzene (C<sub>6</sub>H<sub>6</sub>) Concentrations greater than the 1994 MDL of 1.27 µg/L
  - 2014 Benzene (C<sub>6</sub>H<sub>6</sub>) Concentrations in µg/L
- |                          |
|--------------------------|
| 0.2 to < 3.0             |
| 3.0 to < 100             |
| 100 to < 1,000           |
| 1,000 to < 10,000        |
| 10,000 to < 100,000      |
| 100,000 to < 1,000,000   |
| 1,000,000 to < 1,500,000 |

Figure 5.1.5.1-5



0 1,440 2,880  
Feet

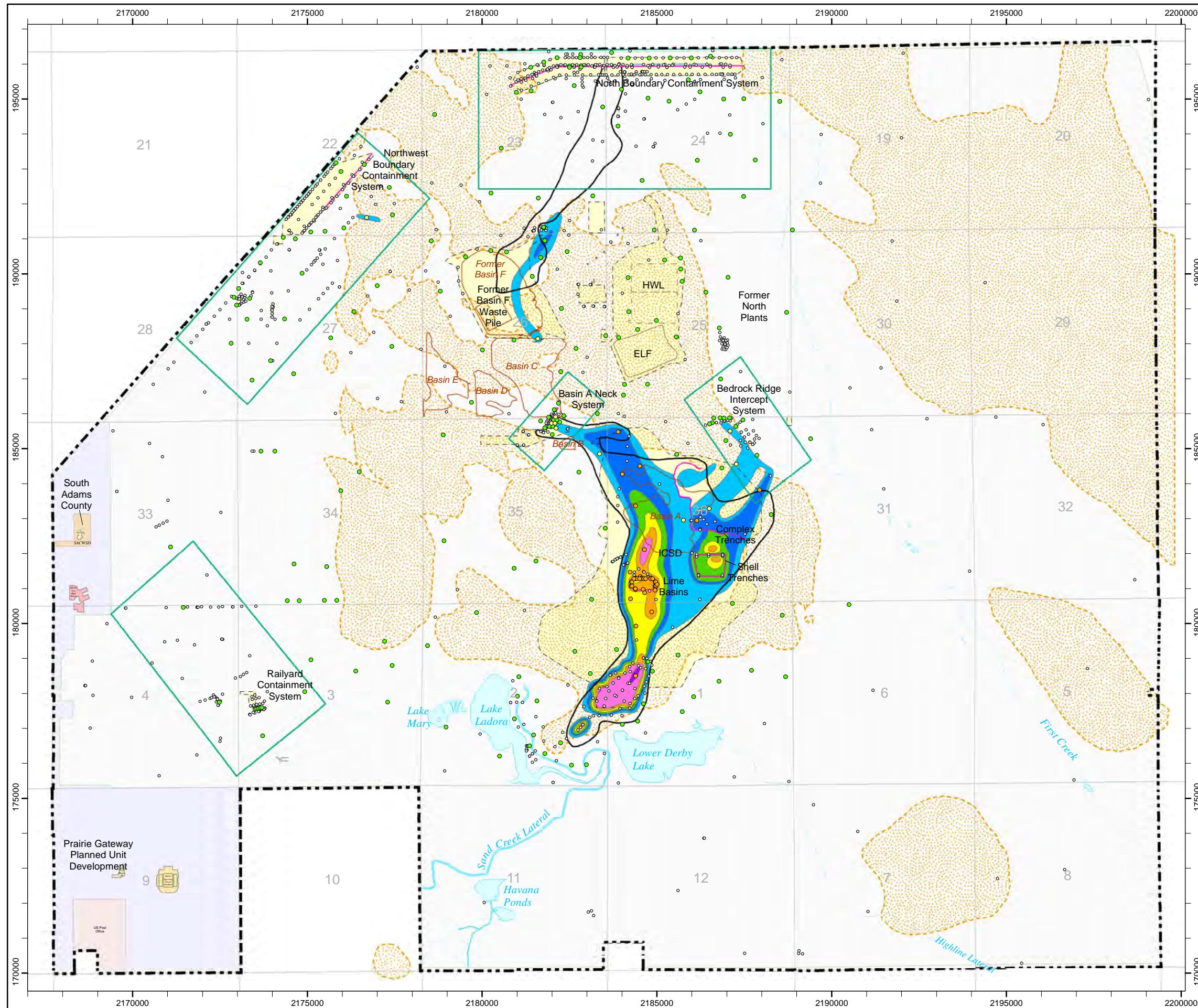
NAD27-NGVD29 Datum, US Survey Feet,  
Colorado North Zone

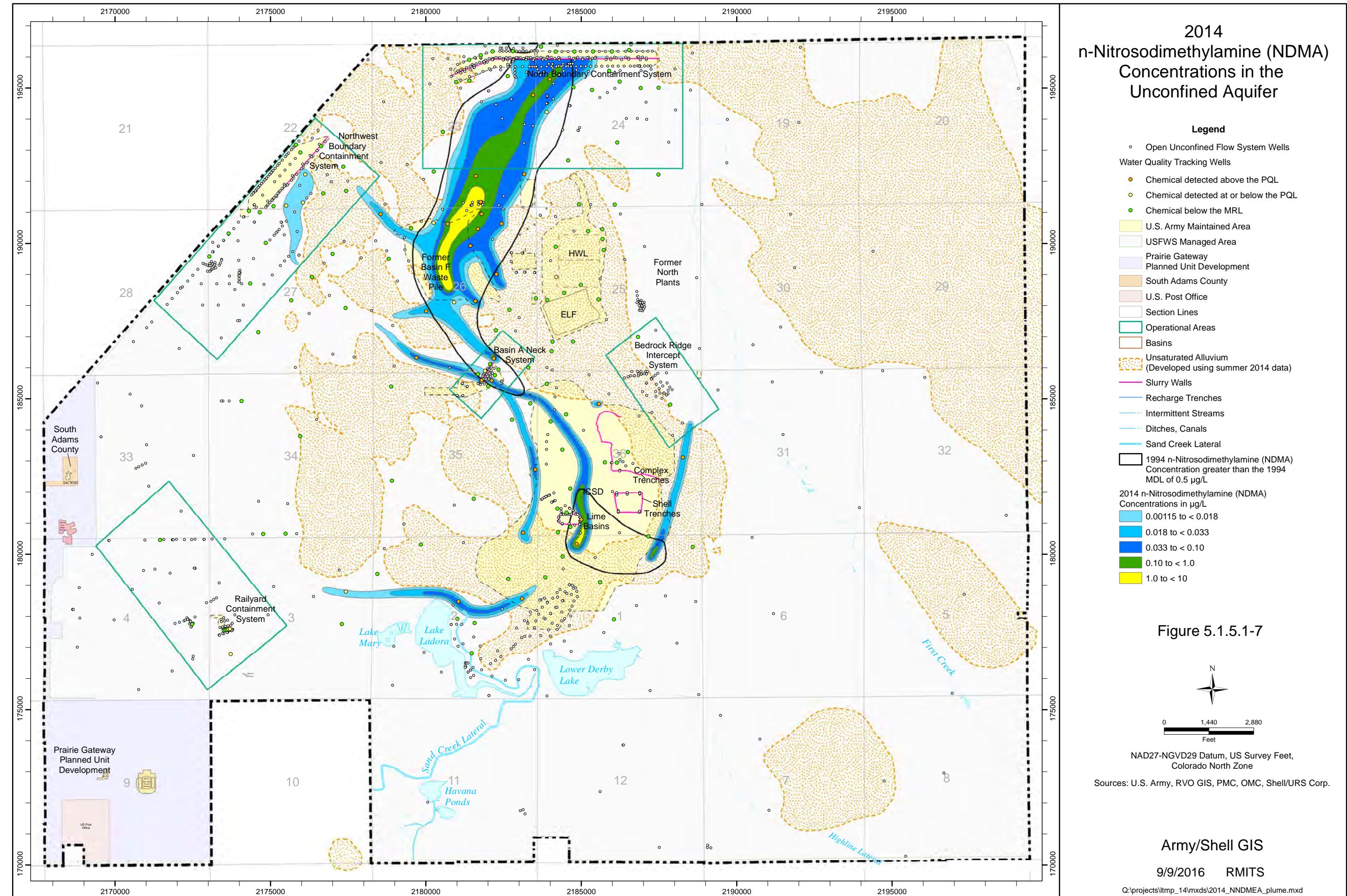
Sources: U.S. Army, RVO GIS, PMC, OMC, Shell/URS Corp.

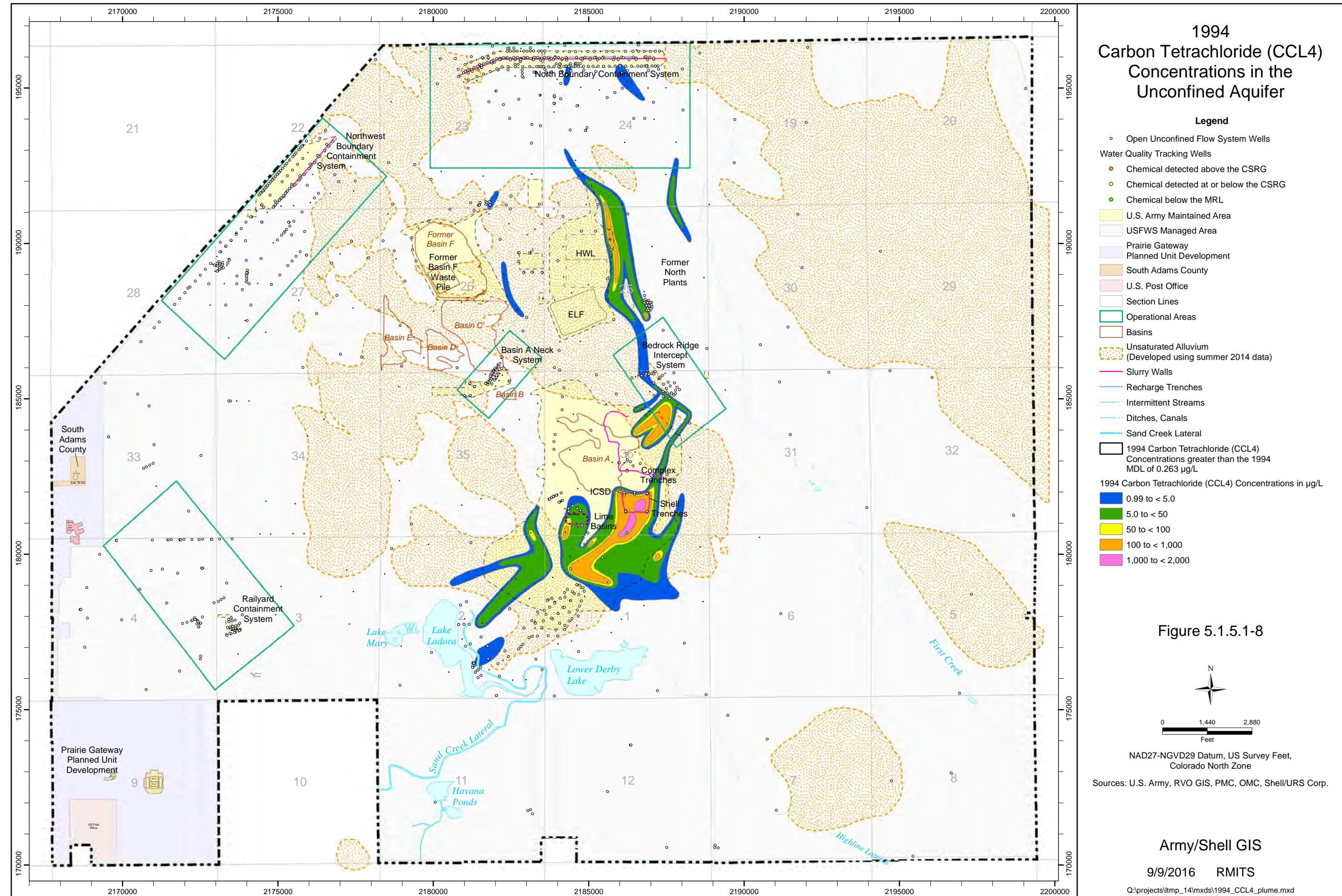
Army/Shell GIS

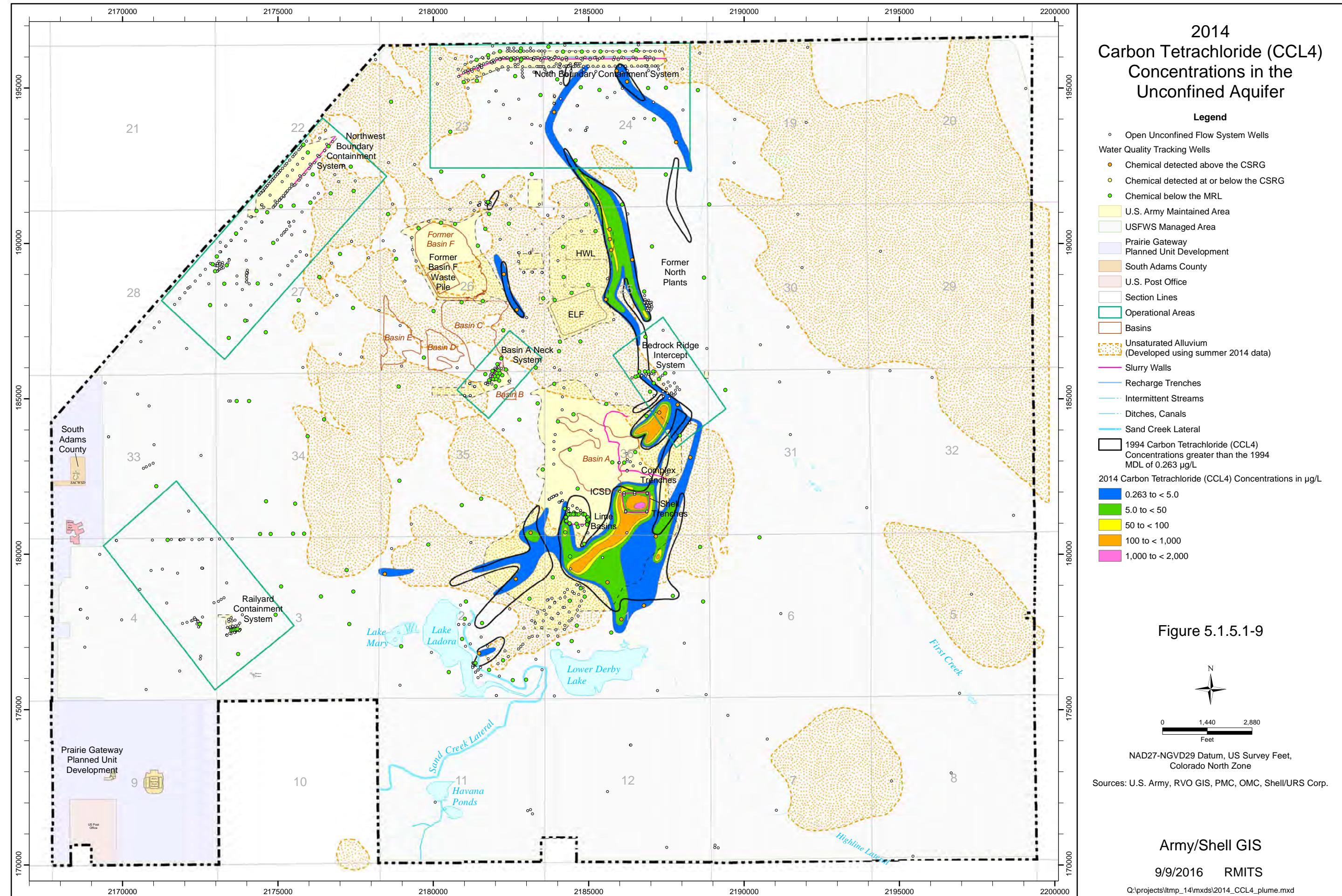
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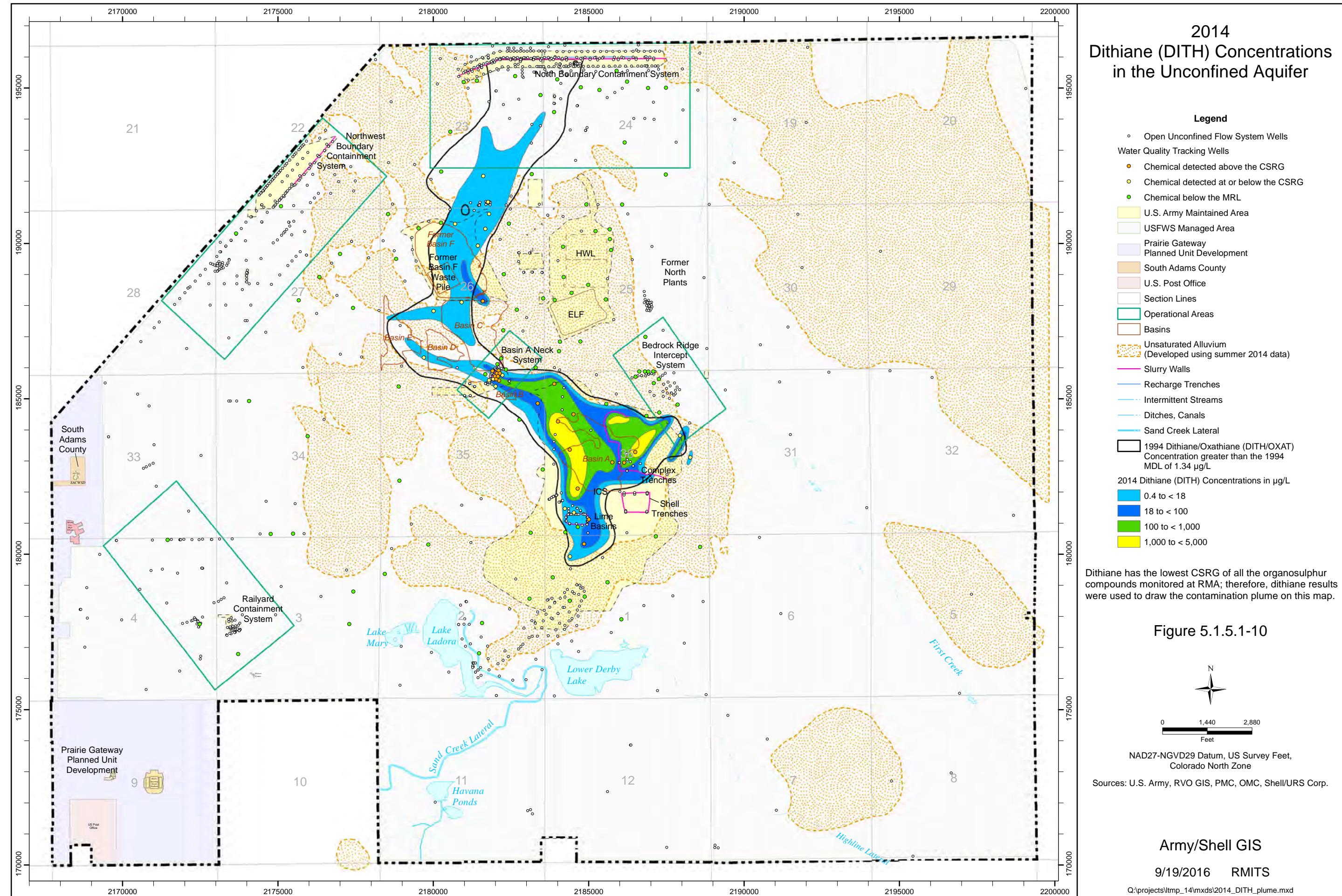
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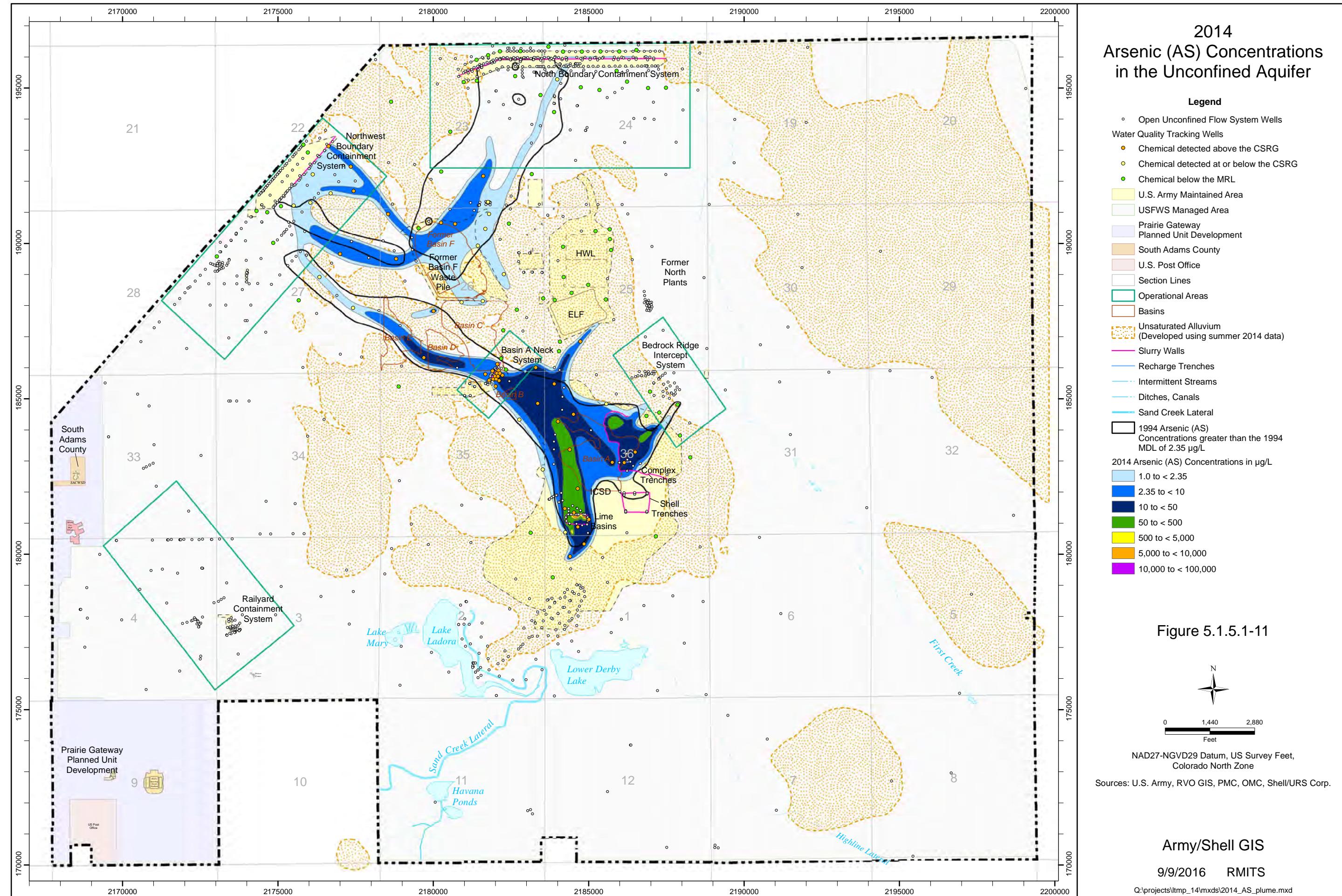


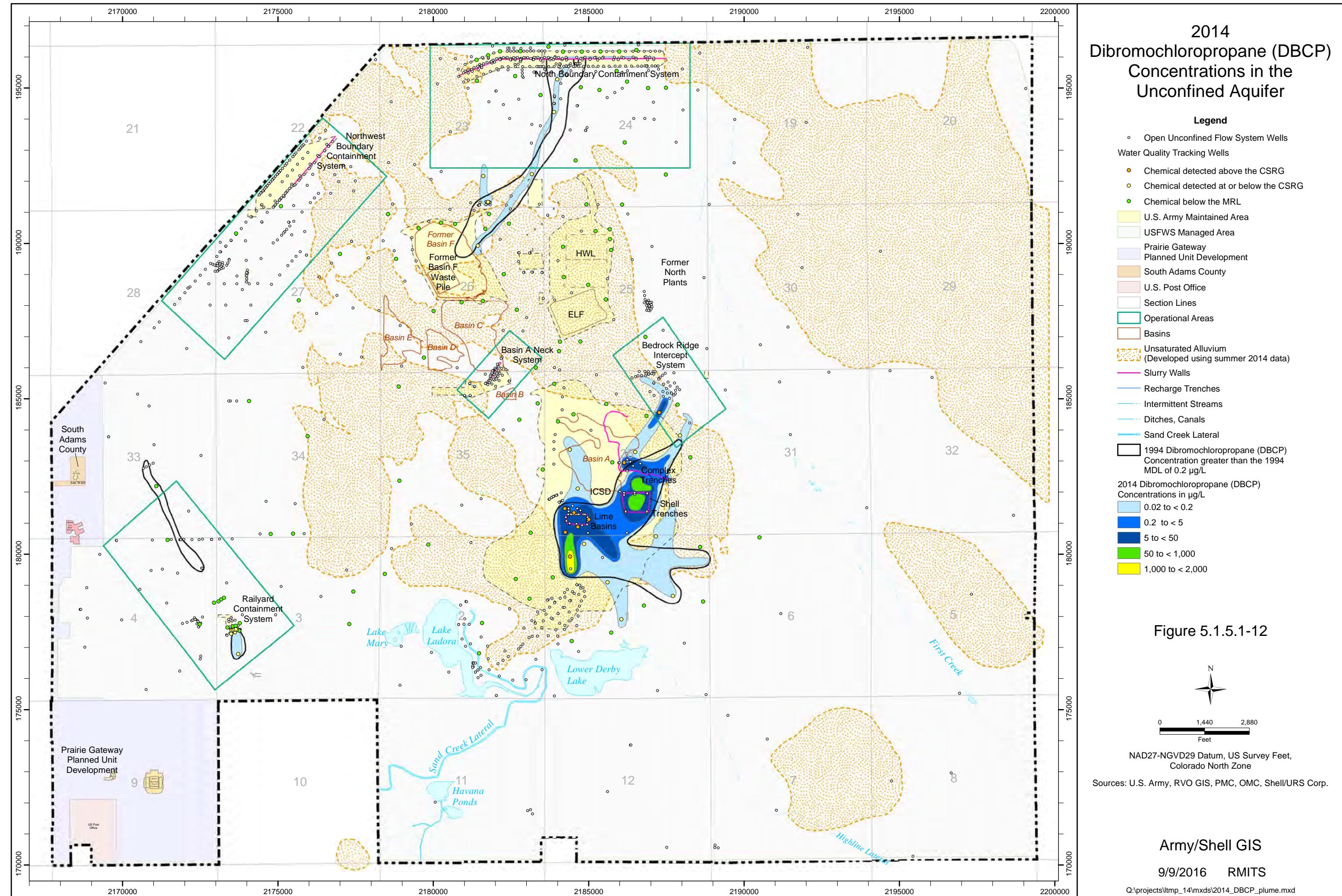


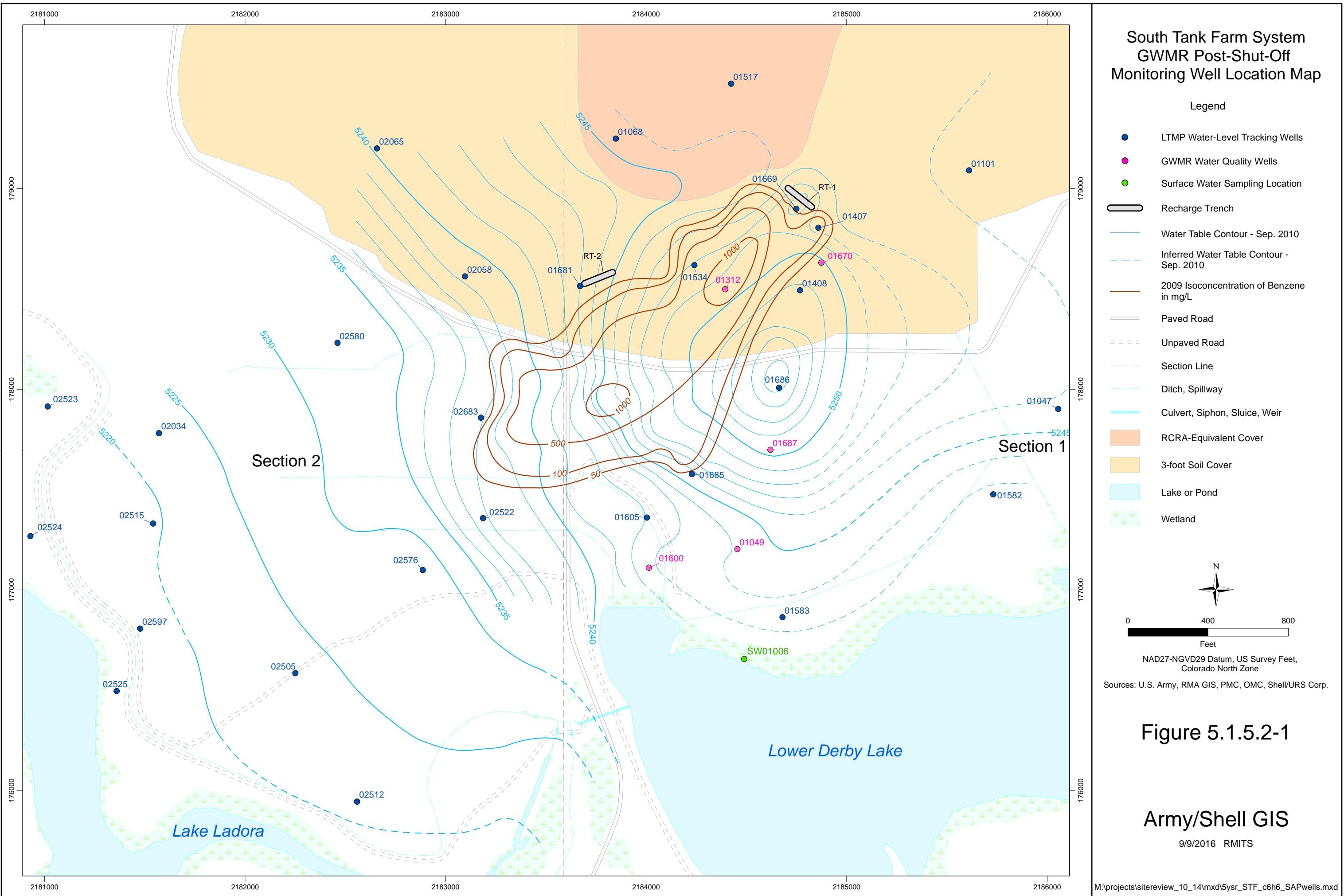












# Rocky Mountain Arsenal MPS/ICS Post-Shut-Off Monitoring Well Location Map

## Legend

- Water Quality Network Well
- Water Level Network Well
- Ditches
- Paved Roads
- Unimproved Roads
- Section Lines
- Buildings
- Army Maintained Area
- USFWS Managed Area
- RMA Boundary



0 840 1,680  
Feet

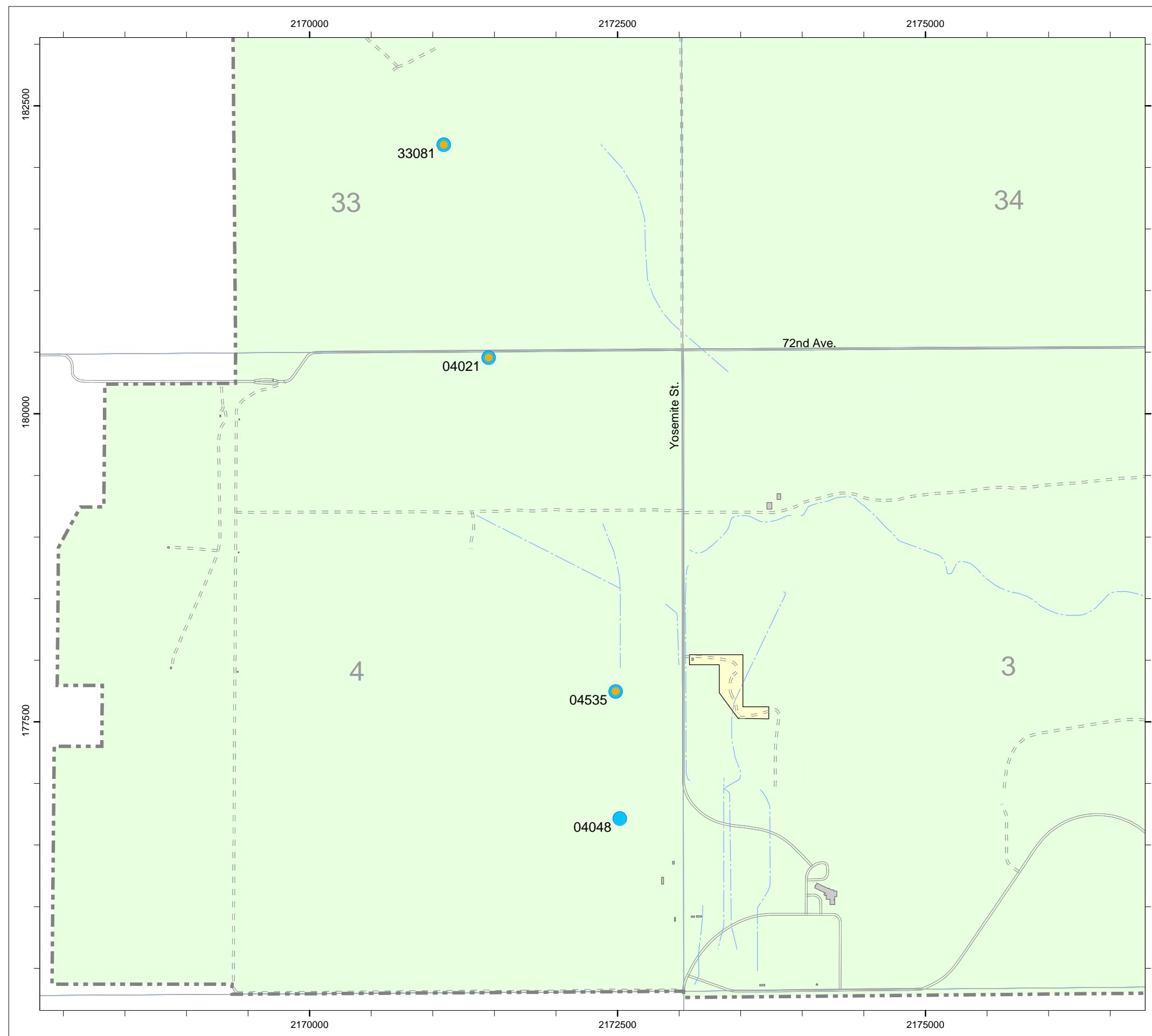
NAD27-NGVD29 Datum, US Survey Feet,  
Colorado North Zone


Sources: U.S. Army, RMA GIS, PMC, OMC, Shell/URS Corp.

**Figure 5.1.5.2-2**

Army/Shell GIS

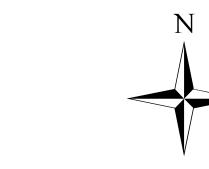
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Rocky Mountain Arsenal 1,4-Dioxane Monitoring Results

Figure 5.1.5.3-1  
Army / Shell GIS

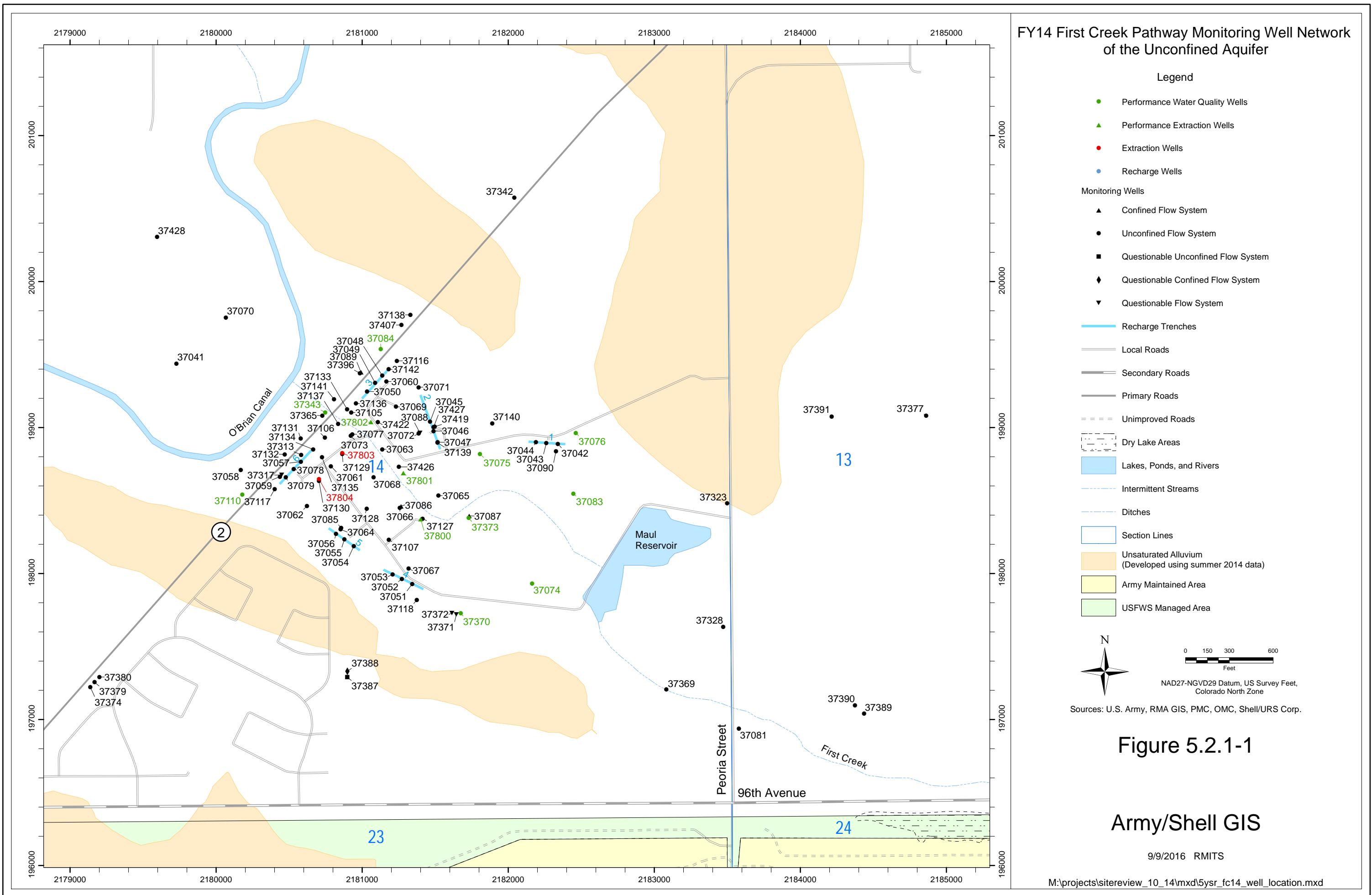


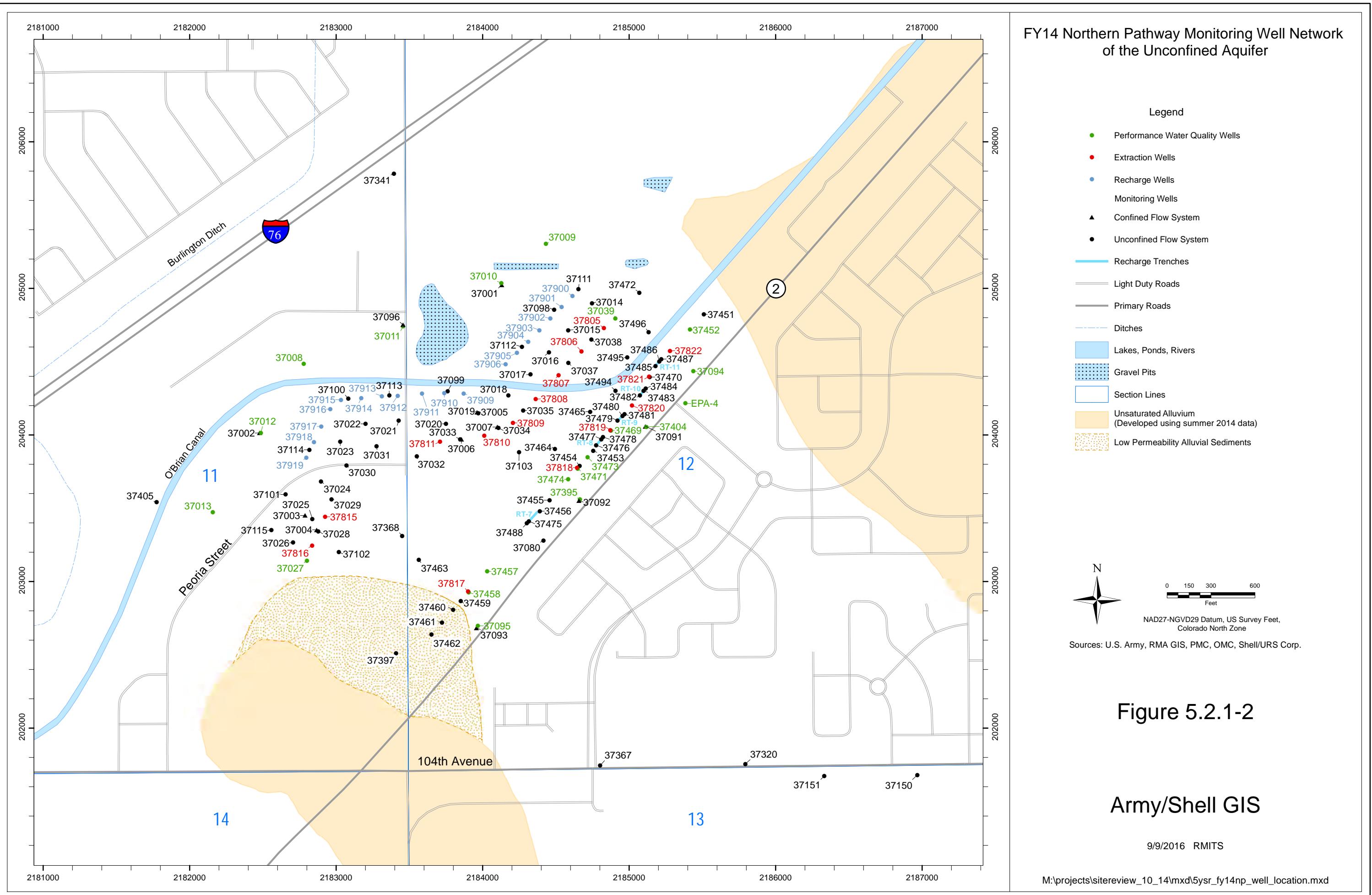
0 1,000 2,000 3,000

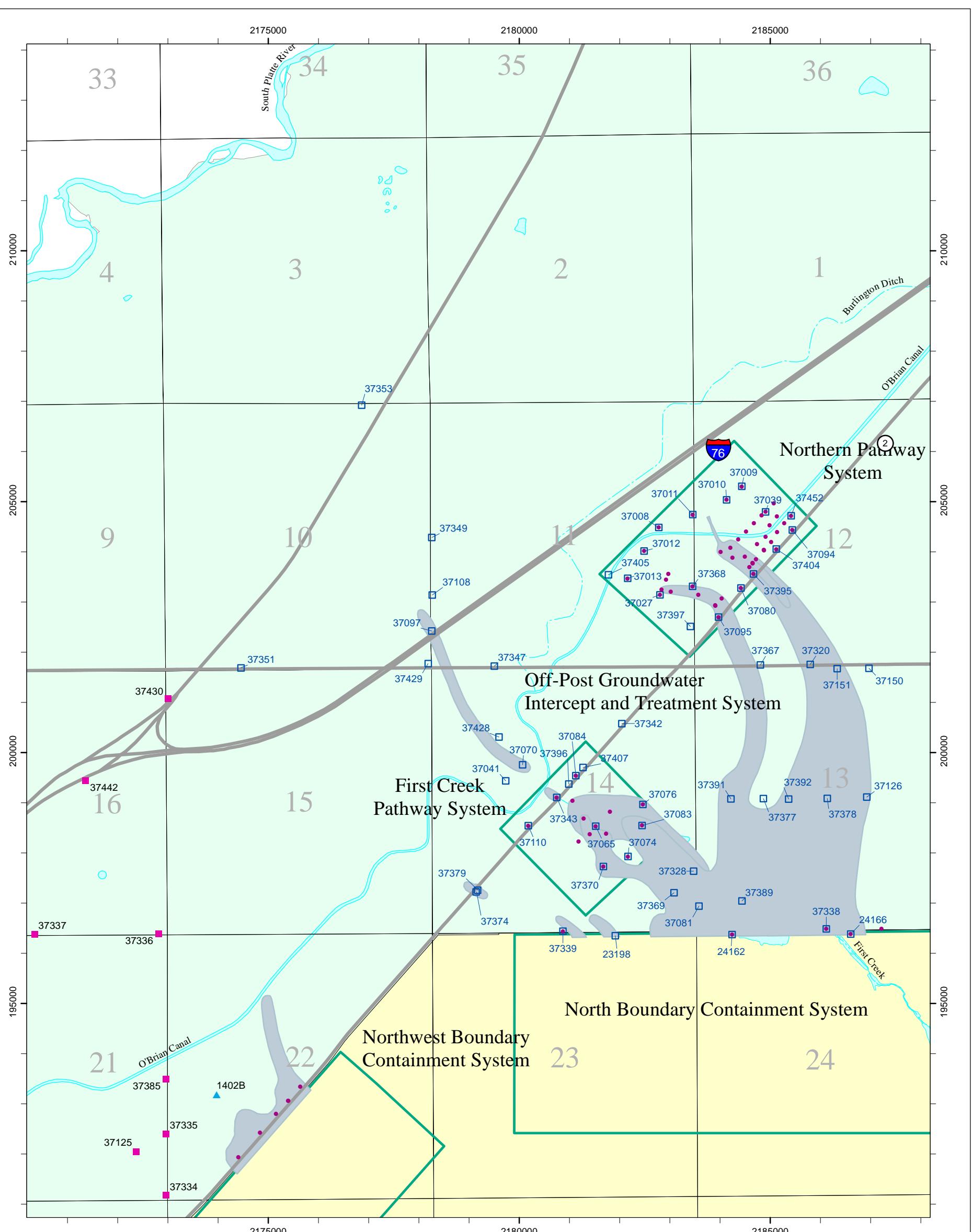
Feet

State Plane Coordinate System, CO North Zone NAD27-NVVD29 Datum

Sources: US Army BIMS, USGS, RMA GIS, Navarro Research and Engineering, Inc.







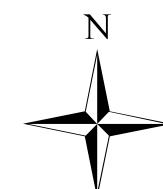
- [Yellow Box] Rocky Mountain Arsenal (On-Post Operable Unit)
- [Light Green Box] Off-Post Study Area
- [Teal Box] Operational Areas
- [Grey Box] 2014 CSRG Exceedance Areas for Carbon Tetrachloride, Dieldrin, and DIMP.
- [White Box] Section Line
- [Light Blue Box] Lakes, Ponds, Rivers
- [Dashed Light Blue Box] Intermittent Streams
- [Dashed Light Blue Box] Ditches, Canals
- [Grey Line] Primary Roads

- CSRG Exceedance Monitoring Wells
- Water Quality Operational Wells
- ▲ Private Well
- Proposed Addition to CSRG Exceedance Network

NAD27-NGVD29 Datum, US Survey Feet,  
Colorado North Zone

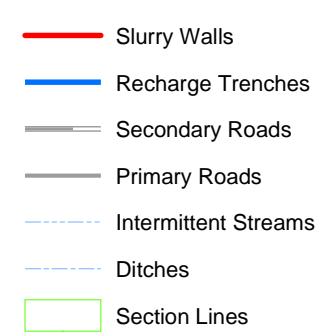
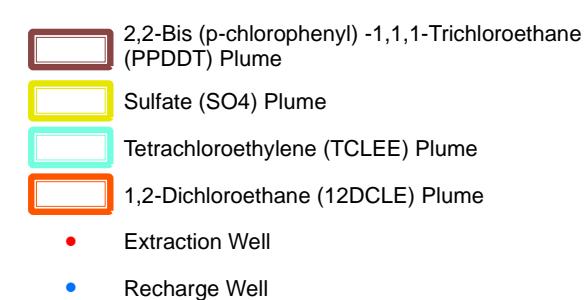
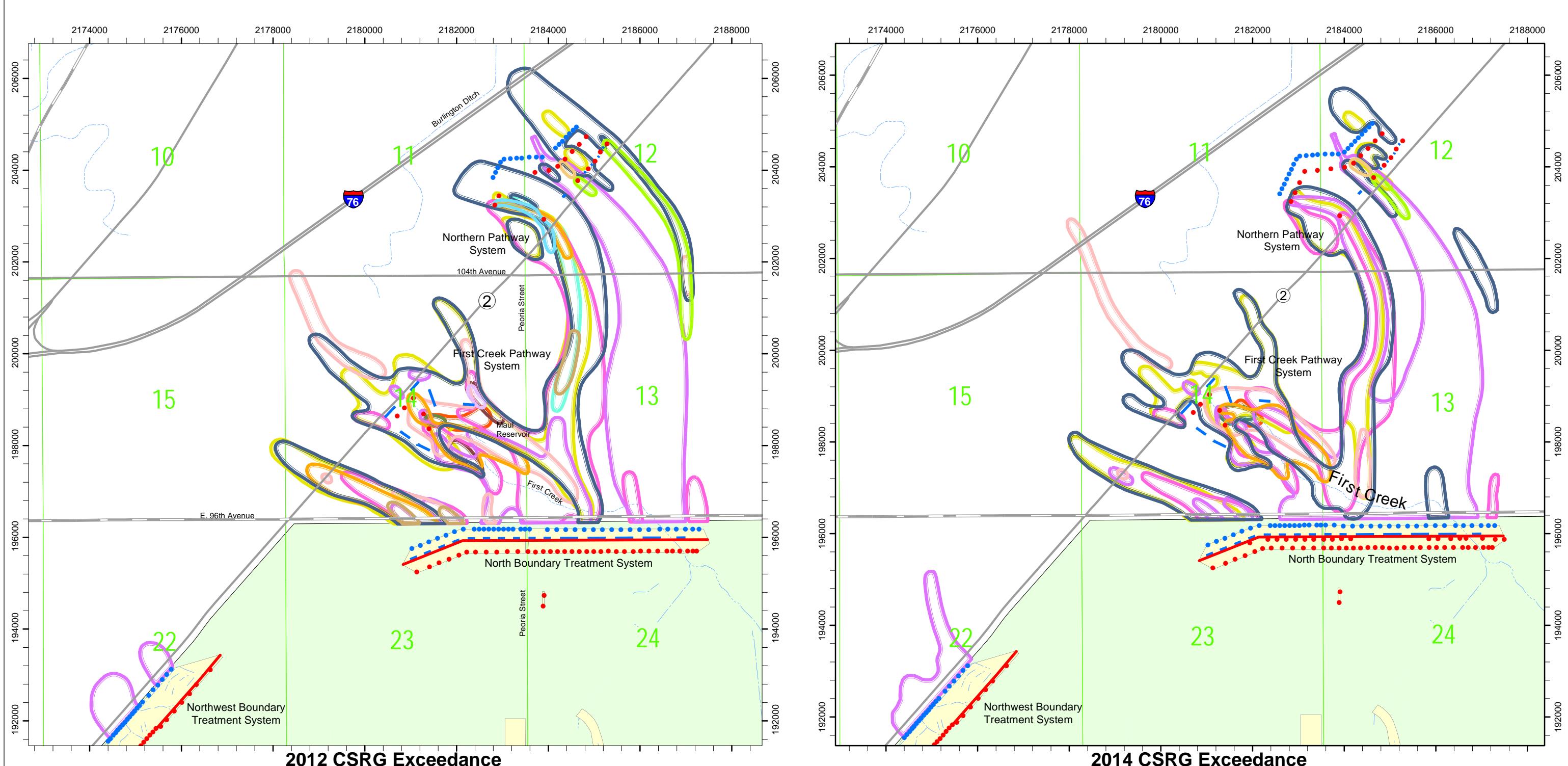
Sources: U.S. Army, RMA GIS,  
PMC, OMC, Shell/URS Corp.

**Figure 5.2.2-1**



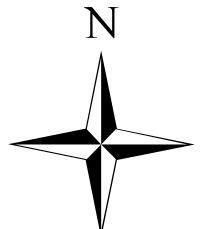
9/12/2016 RMITS

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## Exceedance Maps for 2012 and 2014

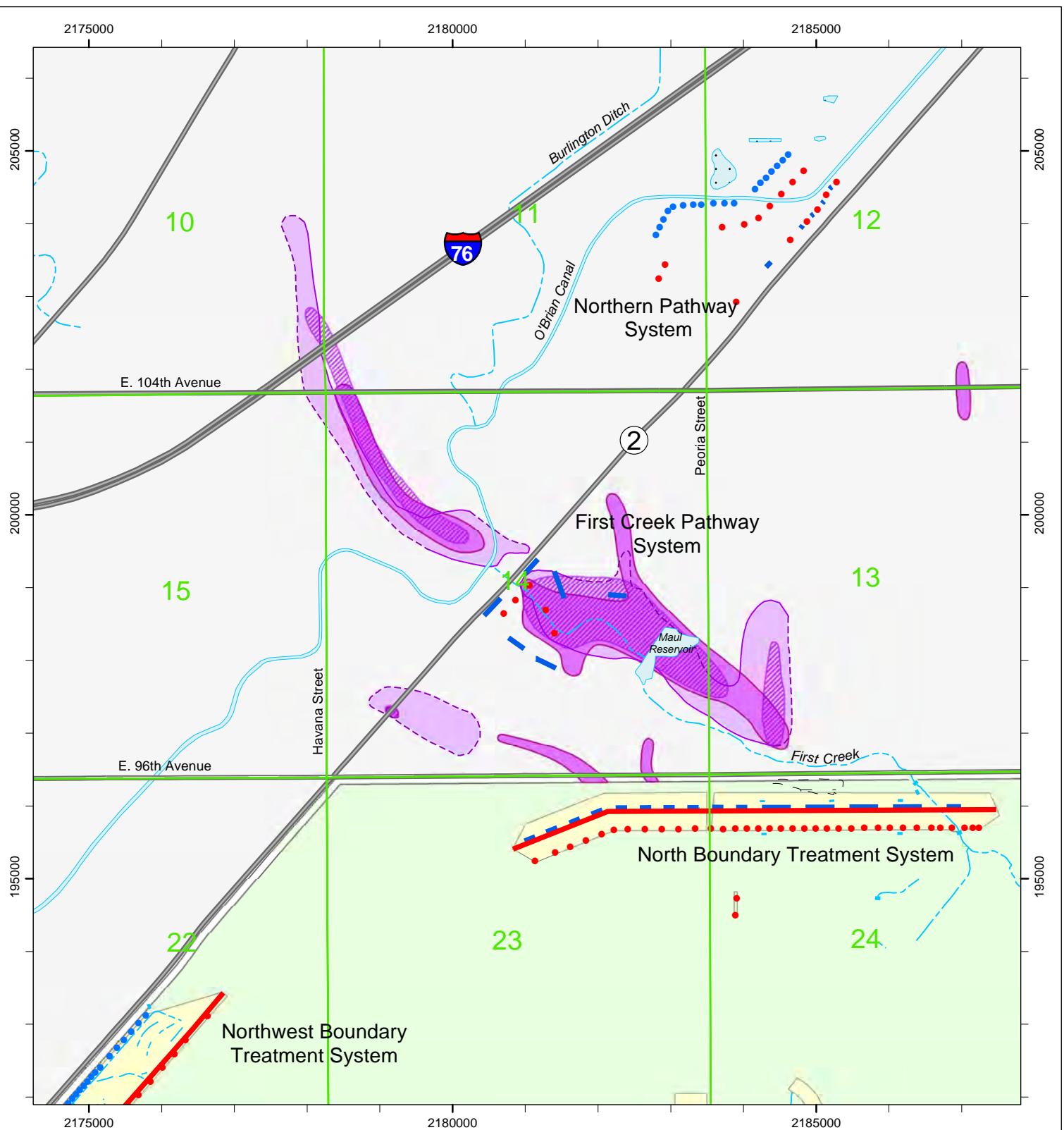
### Figure 5.2.2-2



0 1,000 2,000 3,000  
Feet

NAD27-NGVD29 Datum, US Survey Feet,  
Colorado North Zone

Sources: U.S. Army, RMA GIS,  
PMC, OMC, Shell/URS Corp.



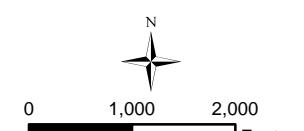
DIMP Exceedance Area Comparisons 2009, 2012, & 2014

Legend

- Extraction Wells
- Recharge Wells
- Slurry Walls
- Recharge Trenches
- Army Maintained Area
- USFWS Managed Area

DIMP Concentrations  $\geq 8 \text{ ug/L}$   
(Dashed outlines where approximate)

- |      |
|------|
| 2014 |
| 2012 |
| 2009 |



NAD27-NGVD29 Datum, US Survey Feet,  
Colorado North Zone

Sources: U.S. Army, RMA GIS, PMC,  
OMC, Shell/URS Corp.

Figure 5.2.2-3

Army/Shell GIS

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## Rocky Mountain Arsenal Off-post Surface Water Monitoring Locations

### Legend

- Rocky Mountain Arsenal
- Army Maintained Area
- USFWS Managed Area
- Lakes, Ponds, and Rivers
- Wetlands
- Dry Lake Areas
- Buildings
- First Creek Groundwater Intercept System
- Shell Property
- Section Lines
- Intermittent Streams
- Ditches
- Slurry Walls
- Surface Water Sites
- Selected Groundwater Wells



0 350 700 1,400  
Feet  
NAD27-NGVD29 Datum, US Survey Feet,  
Colorado North Zone

Sources: U.S. Army, RMA GIS, PMC, OMC,  
Shell/URS Corp.

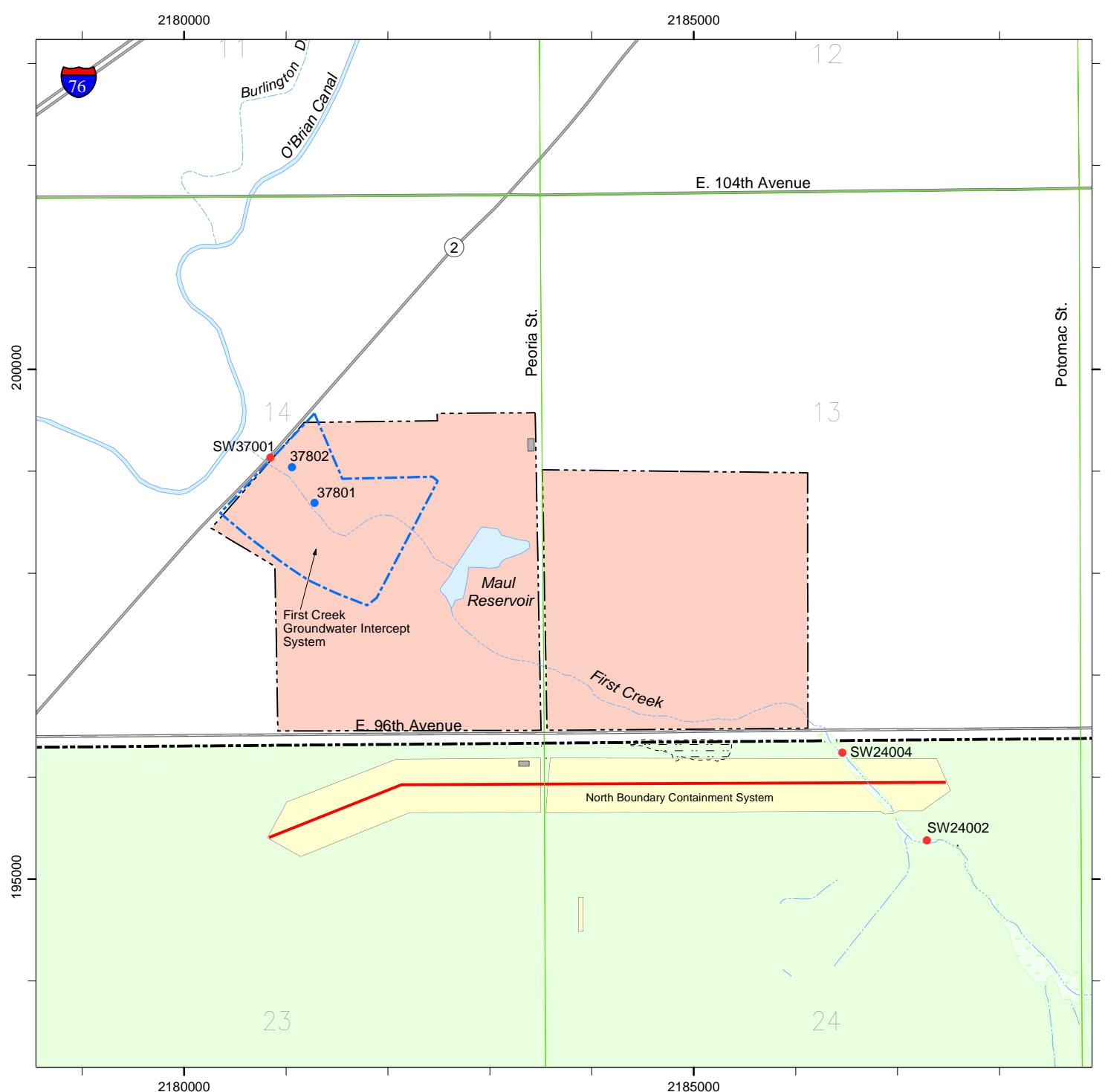


Figure 5.2.4-1

Army/Shell GIS

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