

# ROCKY MOUNTAIN ARSENAL GROUNDWATER CLEANUP UPDATE



**Prepared for:**  
**Commerce City Council**  
**October 15, 2018**



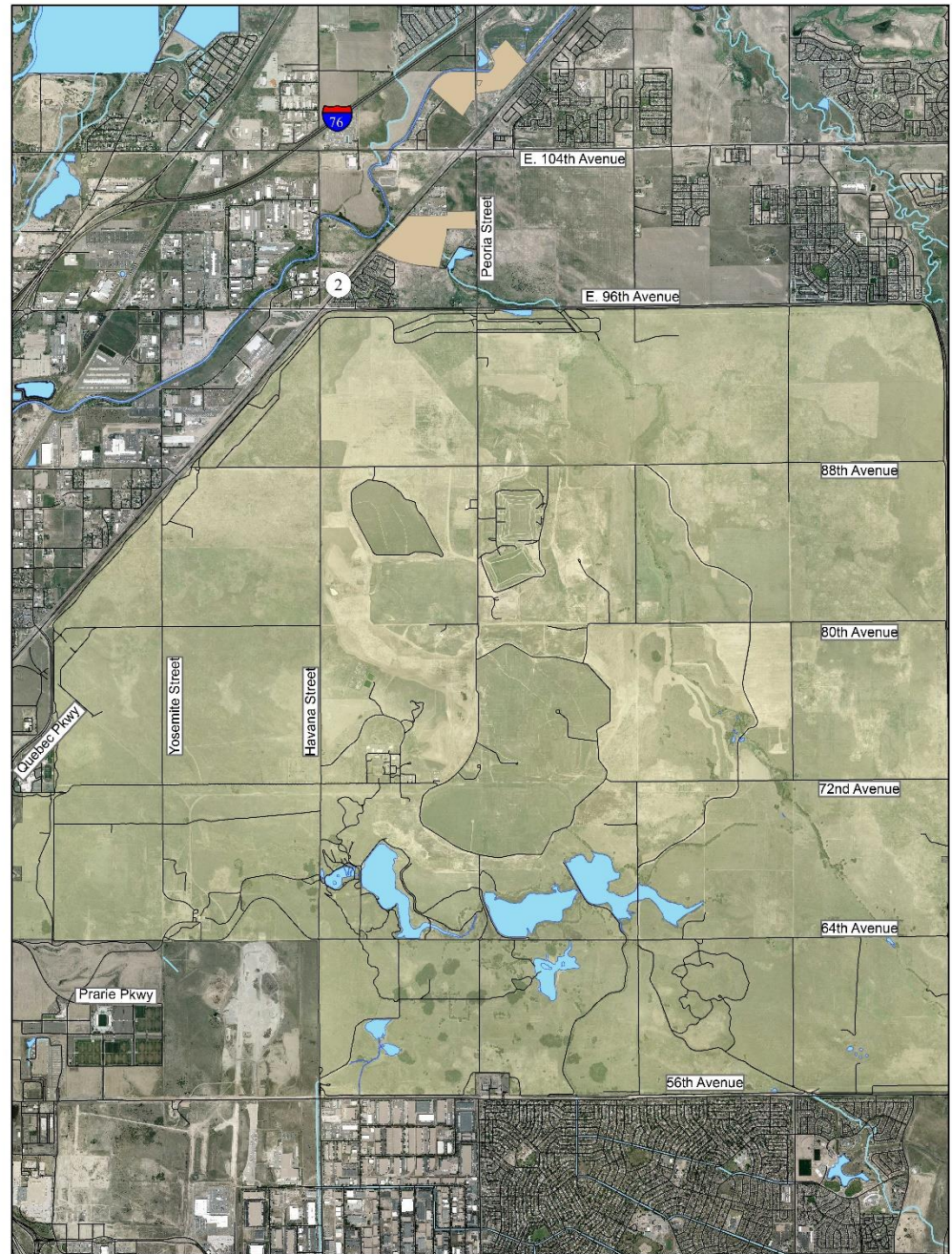
# AGENDA

- Site Overview/  
Contamination Sources
- Groundwater Plumes
- Groundwater Treatment and  
its Impact on Plumes
- Considerations Related to  
Oil and Gas Development
- Questions





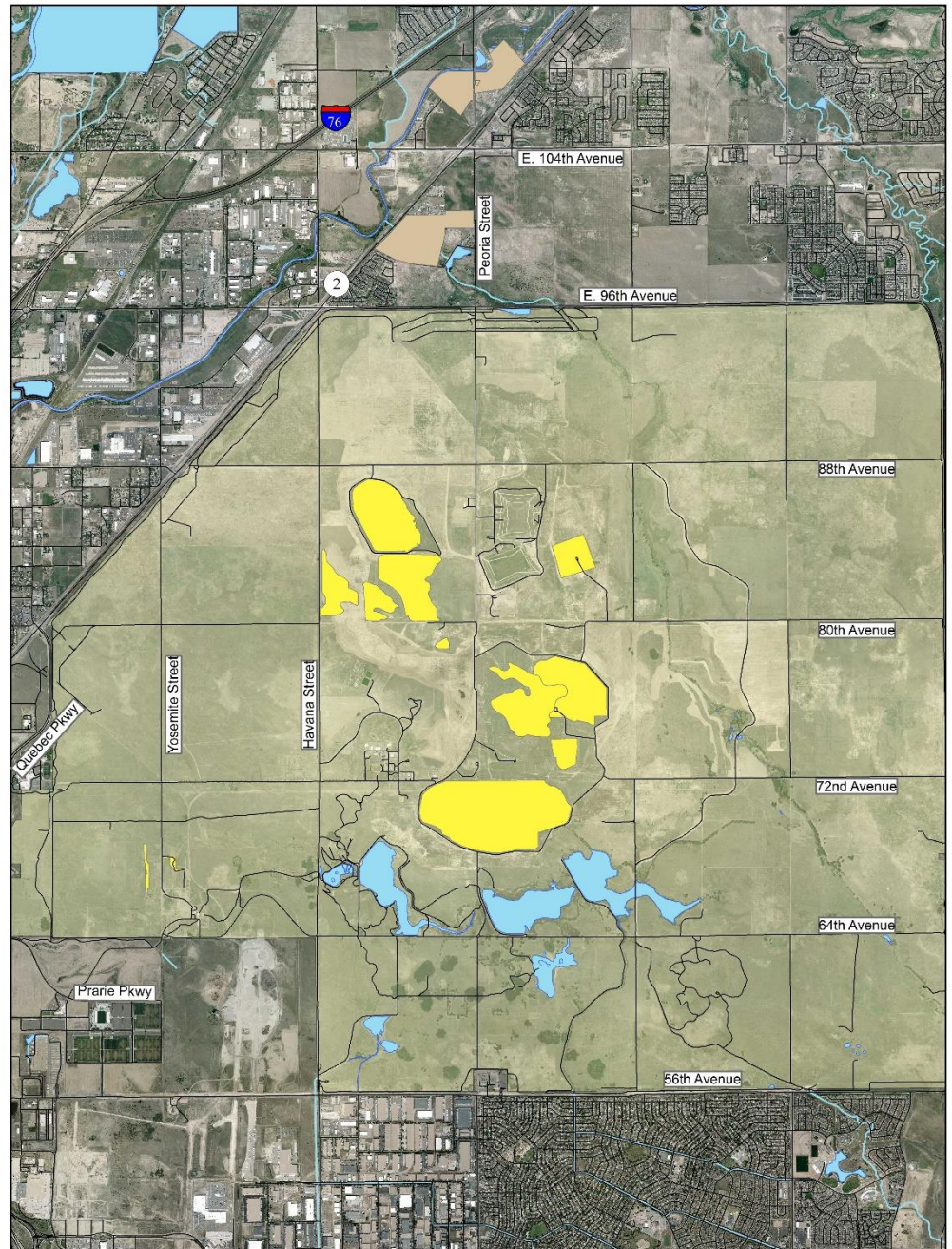
# Rocky Mountain Arsenal National Wildlife Refuge and Vicinity





# Rocky Mountain Arsenal

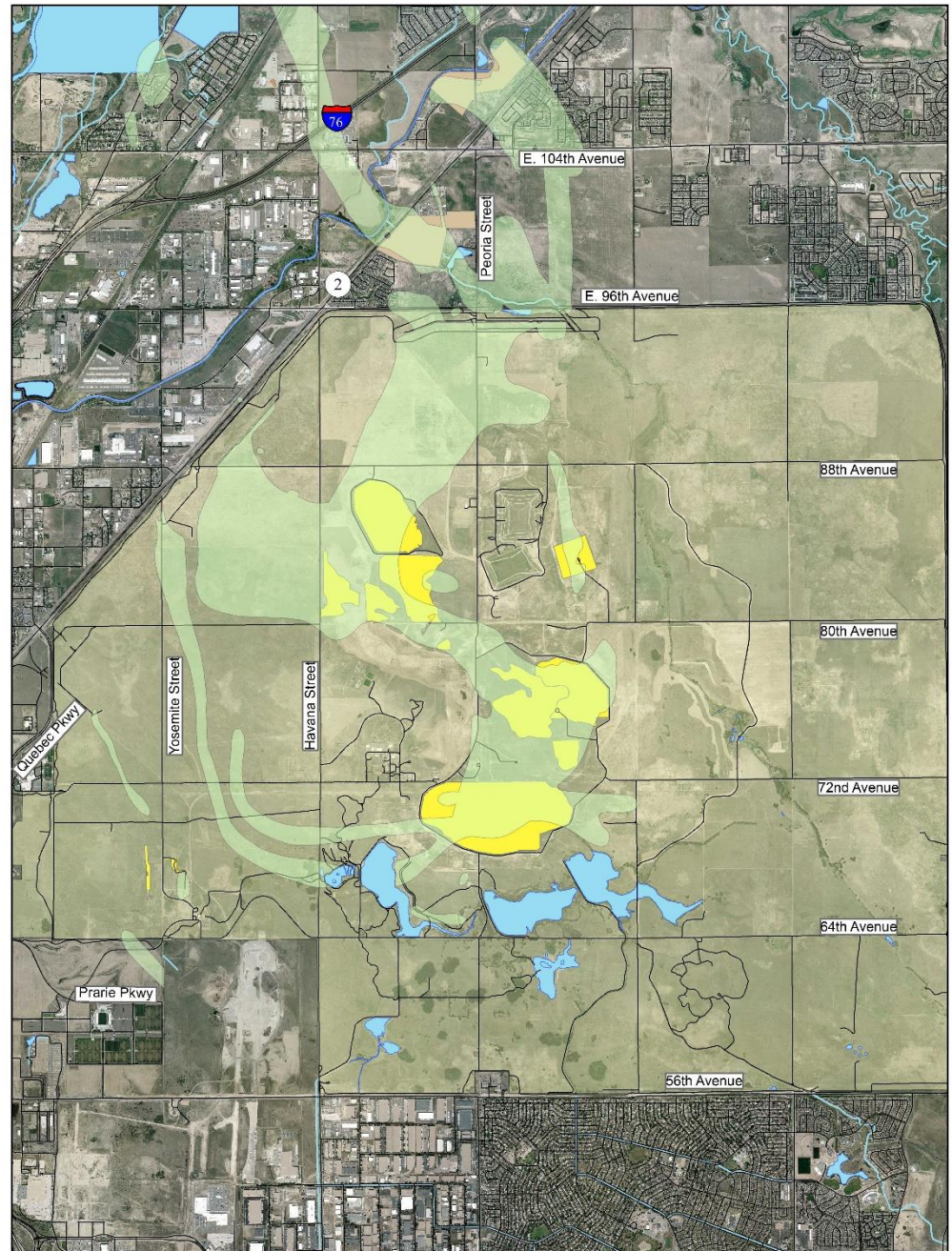
## Historical Sources of Groundwater Contamination





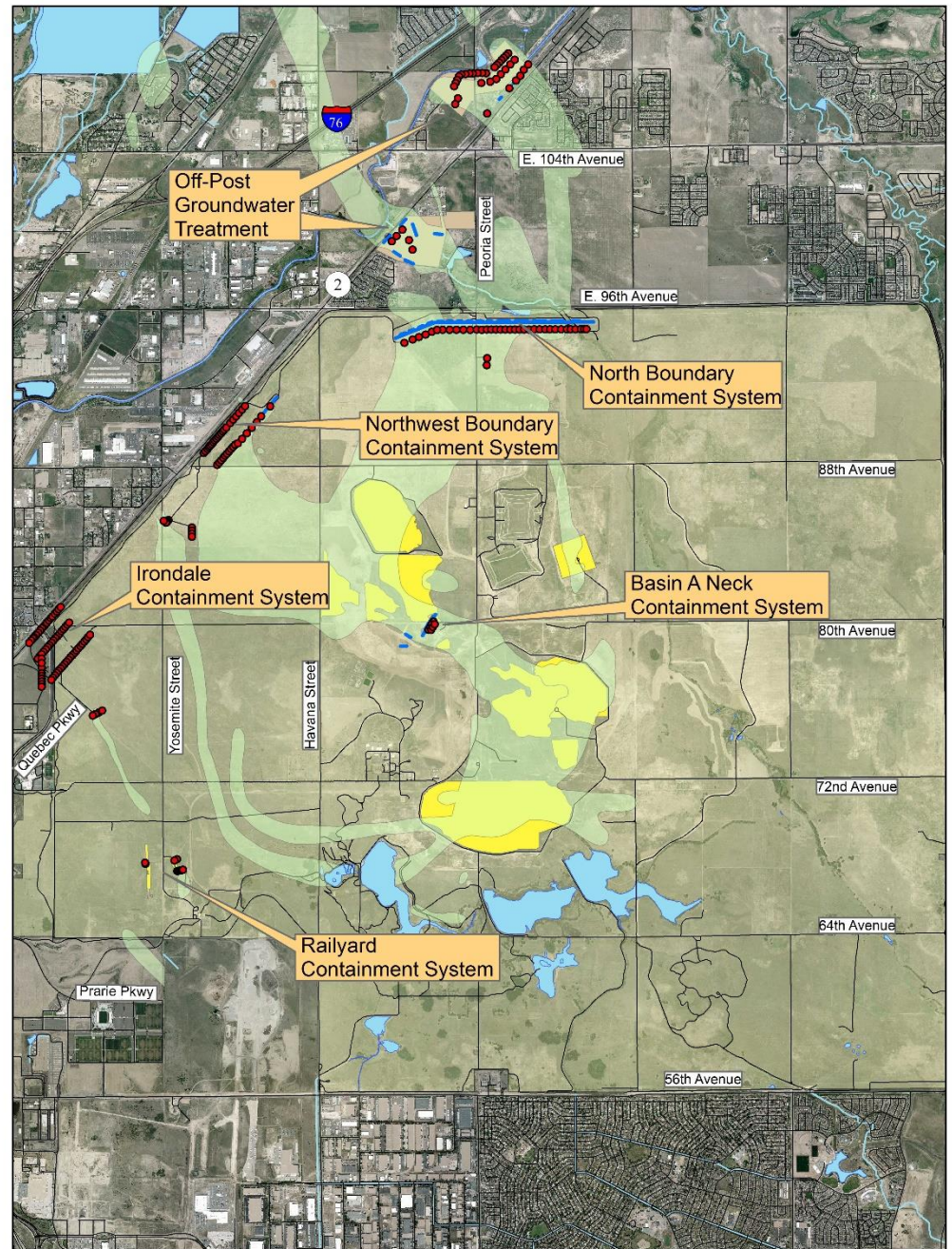
# Rocky Mountain Arsenal

## Groundwater Plumes (1994)



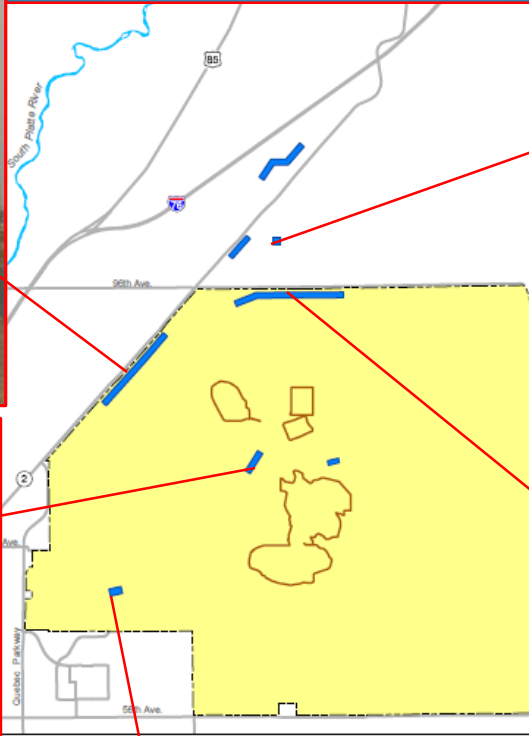


# Rocky Mountain Arsenal Groundwater Treatment Systems (1994)



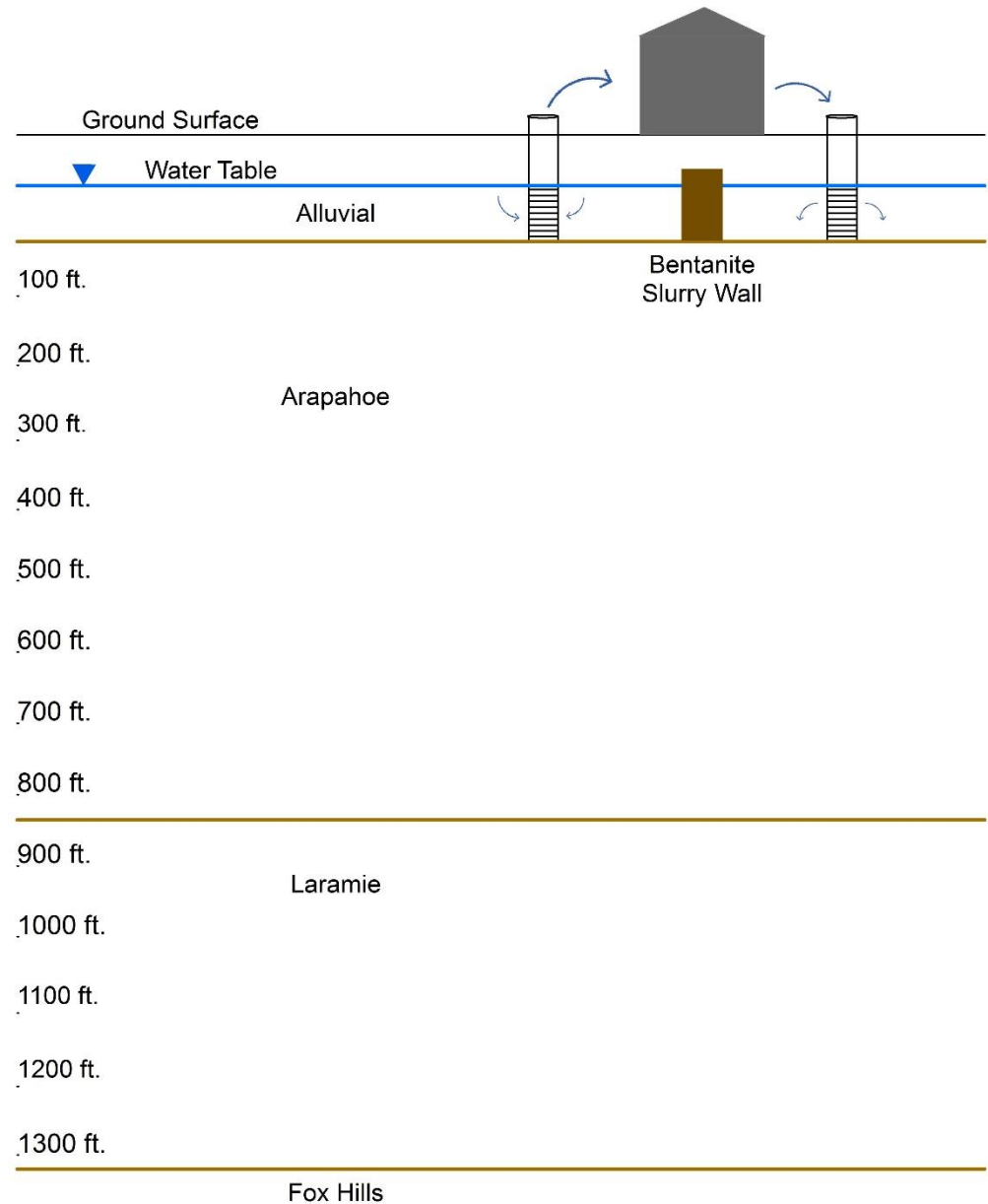


# RMA Groundwater Treatment Facilities



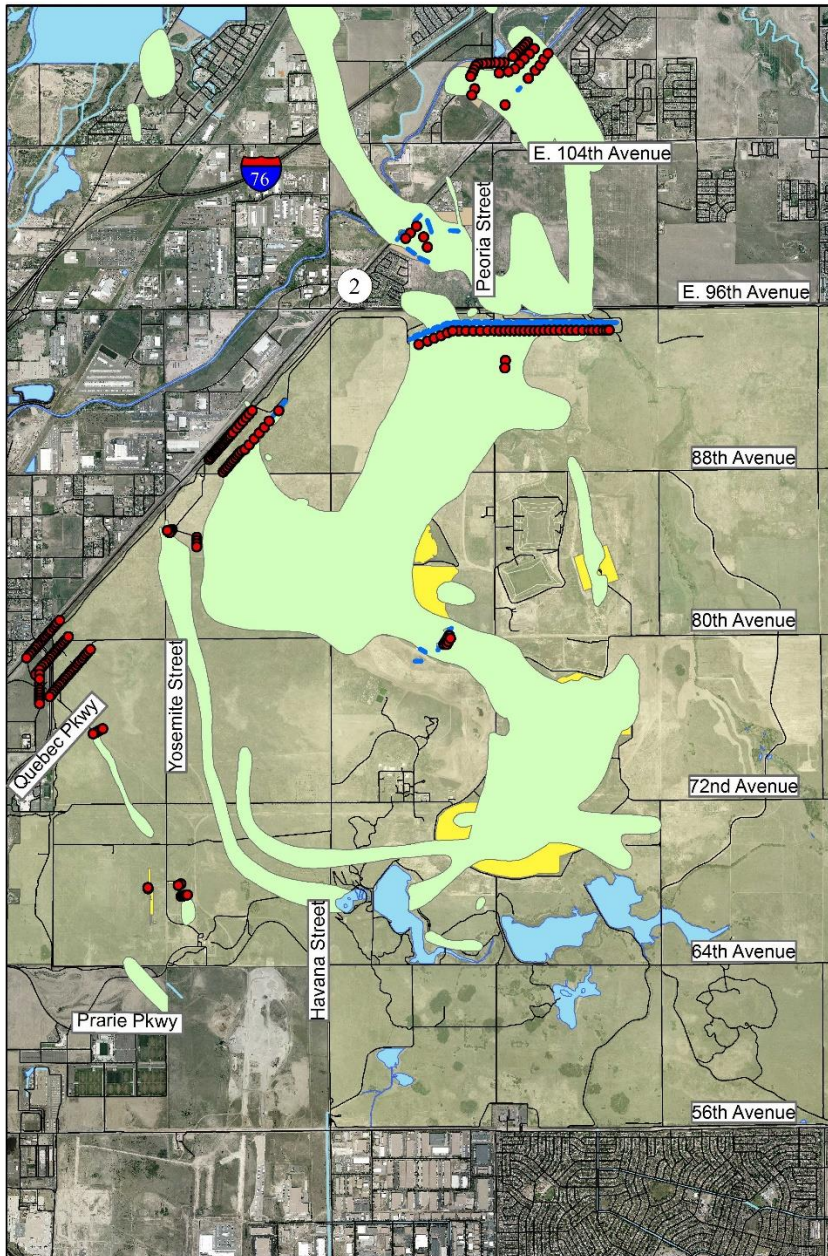
# Rocky Mountain Arsenal

## Groundwater Treatment System Cross Section

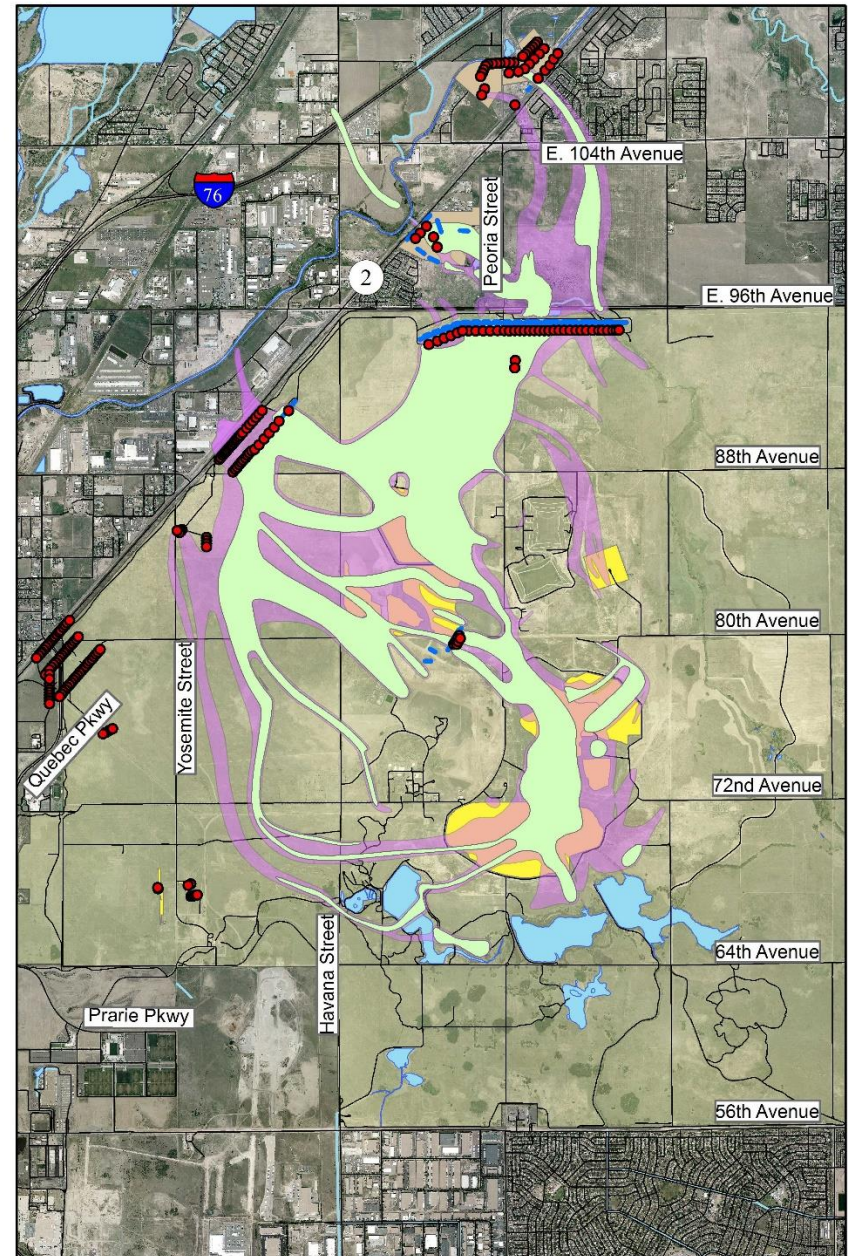




1994

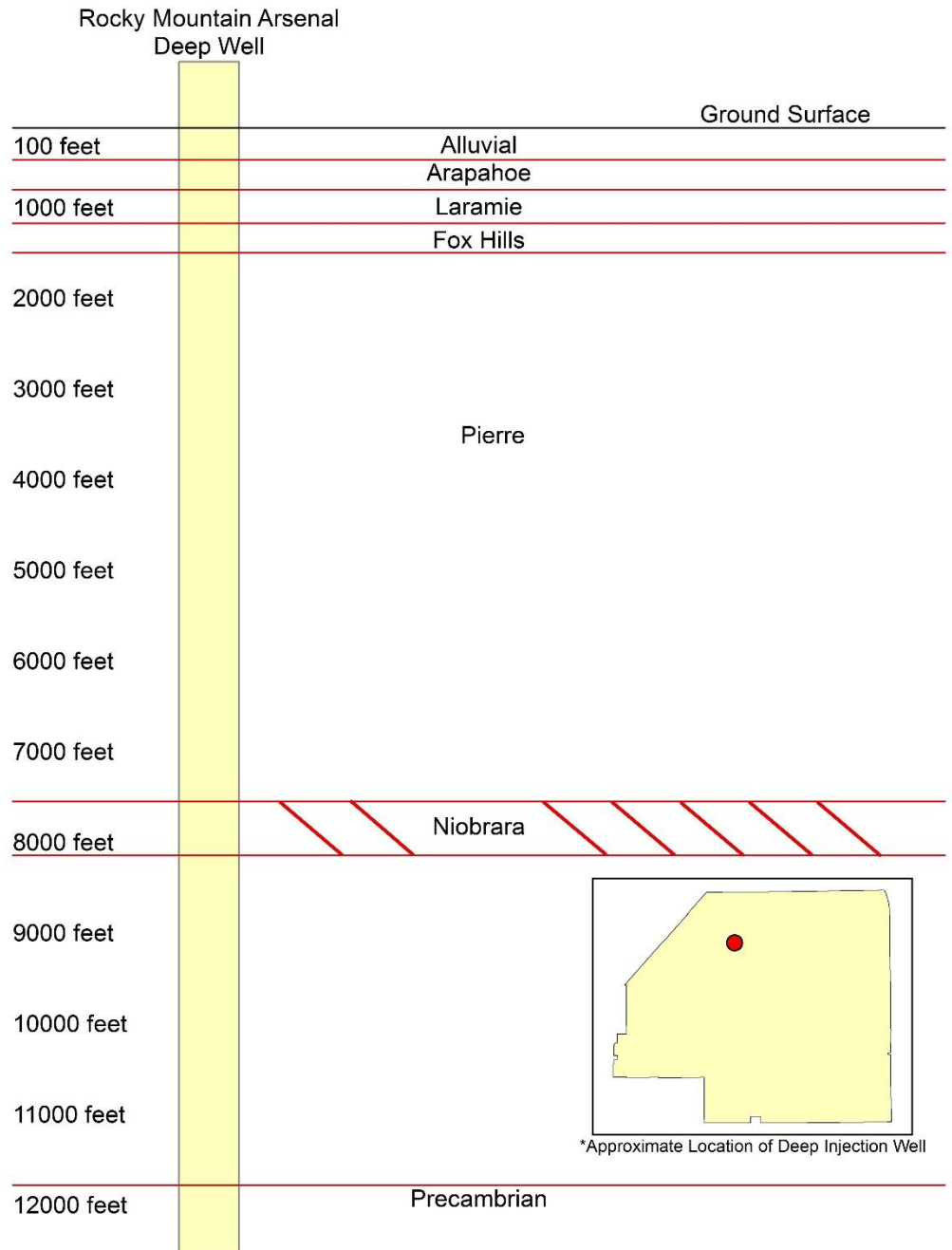


2014





# Rocky Mountain Arsenal Deep Well Cross Section





# SUMMARY

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- Groundwater treatment systems are proving to be effective in the cleanup of RMA groundwater contamination.
- Army is committed to continuing to treat groundwater to meet drinking water standards.
- Oil and gas development can occur in a manner that avoids disruption to RMA's groundwater treatment systems and plumes.



**Questions?**

