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# Overview of the Rocky Flats Site Annual Report of Site Surveillance and Maintenance Activities

## Calendar Year 2012

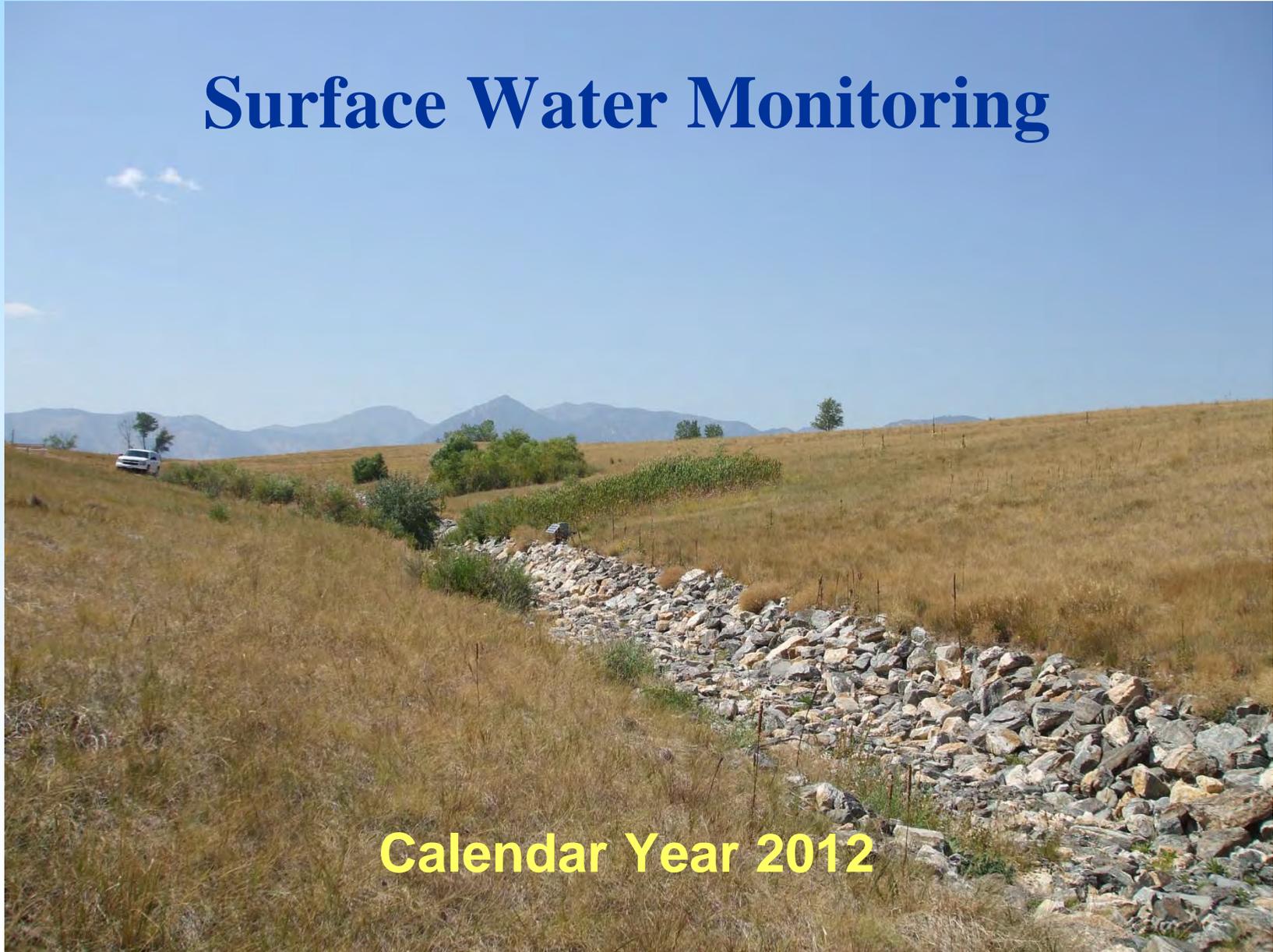
Rocky Flats Stewardship Council  
June 3, 2013



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# Surface Water Monitoring



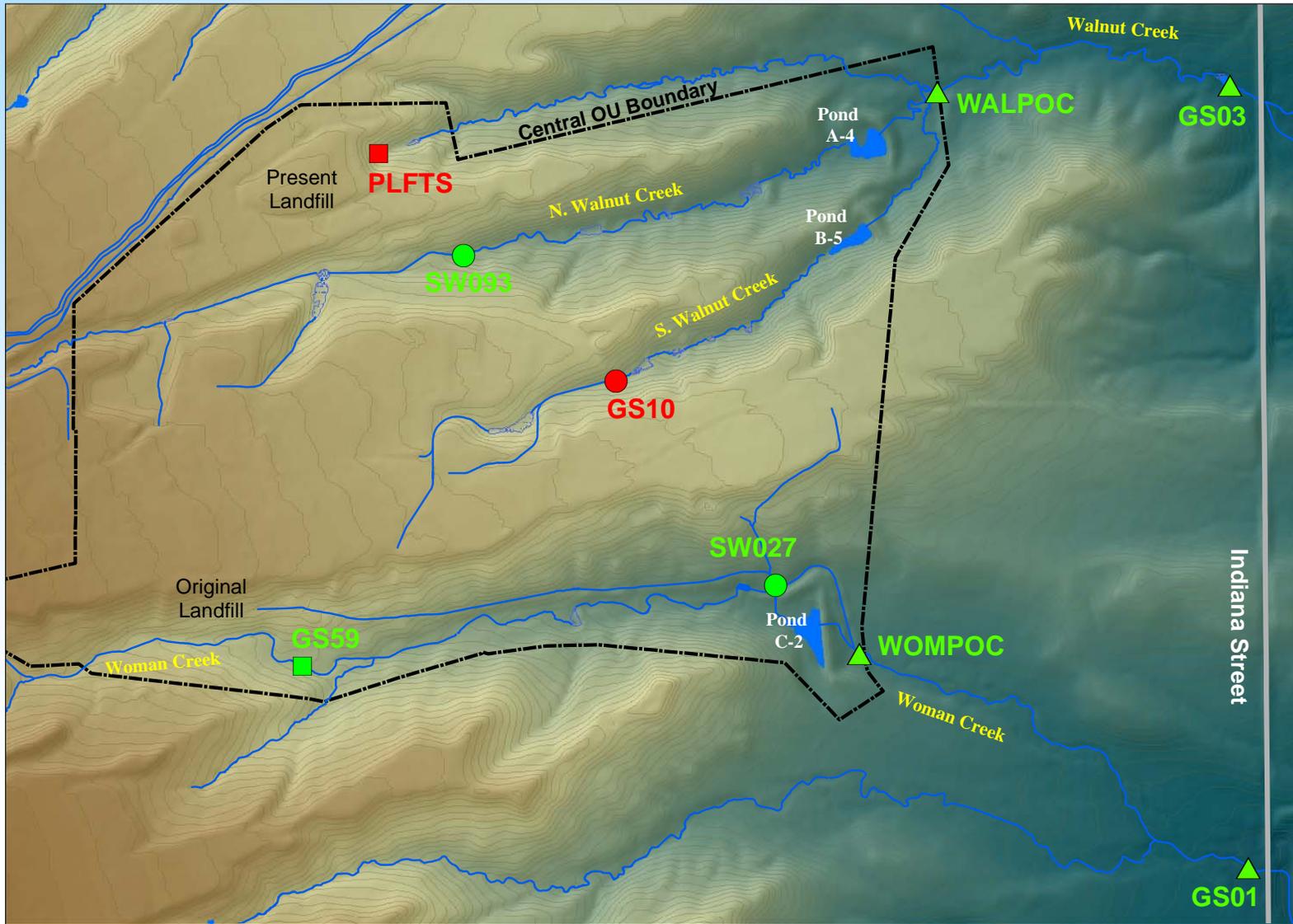
Calendar Year 2012



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# RFLMA Surface Water Monitoring Locations



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# Performance Monitoring at Original and Present Landfills

## ■ Original Landfill (OLF)

- During CY 2012 all sampling results met water quality standards

## ■ Present Landfill (PLF)

- During CY 2012 increased sampling frequency was temporarily required for arsenic (As) and selenium (Se)

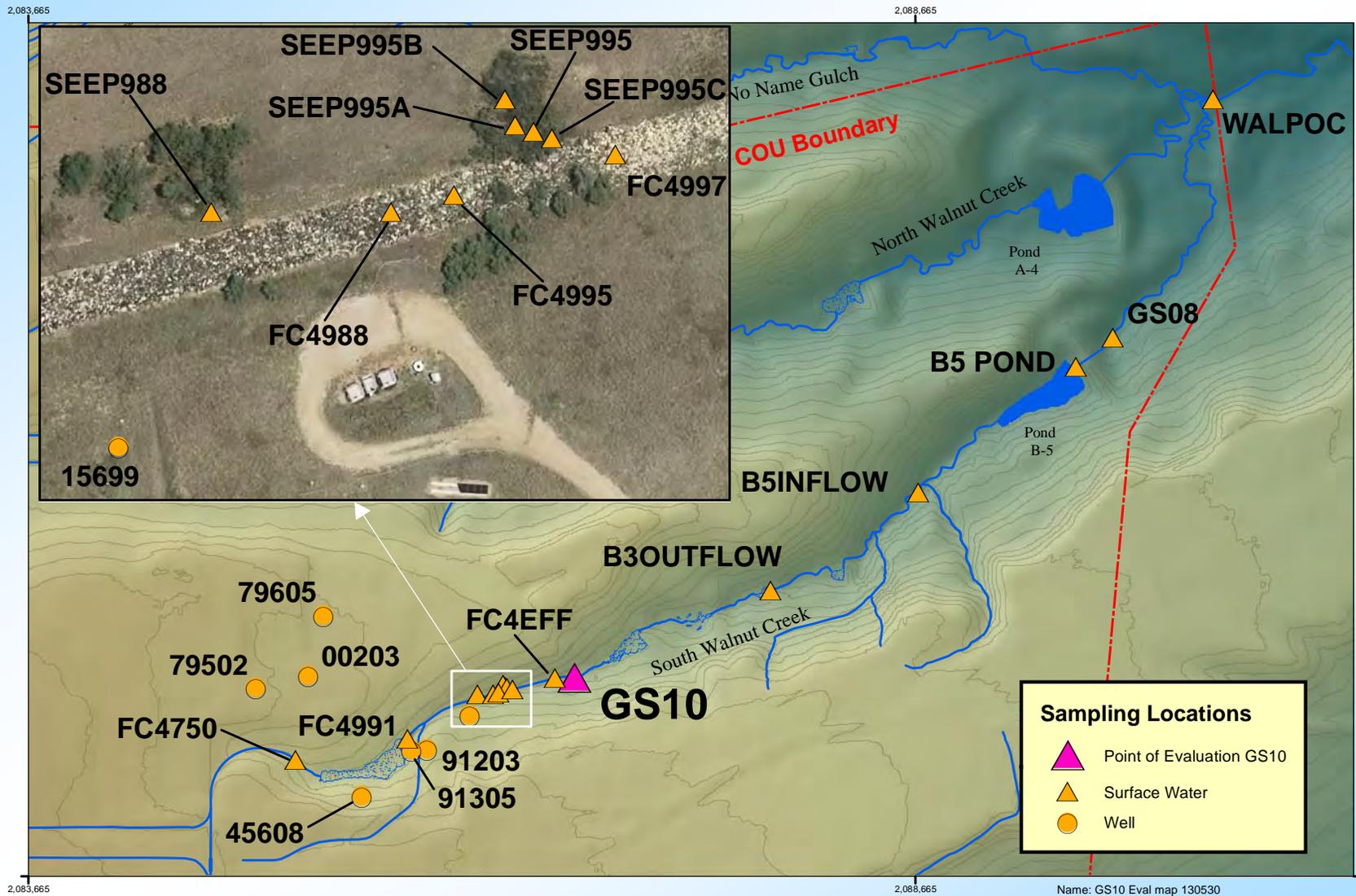


# Point of Evaluation Monitoring – GS10

- Reportable 12-month rolling average values for americium, plutonium, and uranium at GS10 were observed during CY 2012.
- Additional sampling is being conducted both upstream of and downstream of GS10.



# GS10 Investigation Monitoring



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# Questions?



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# Groundwater Monitoring and Operations

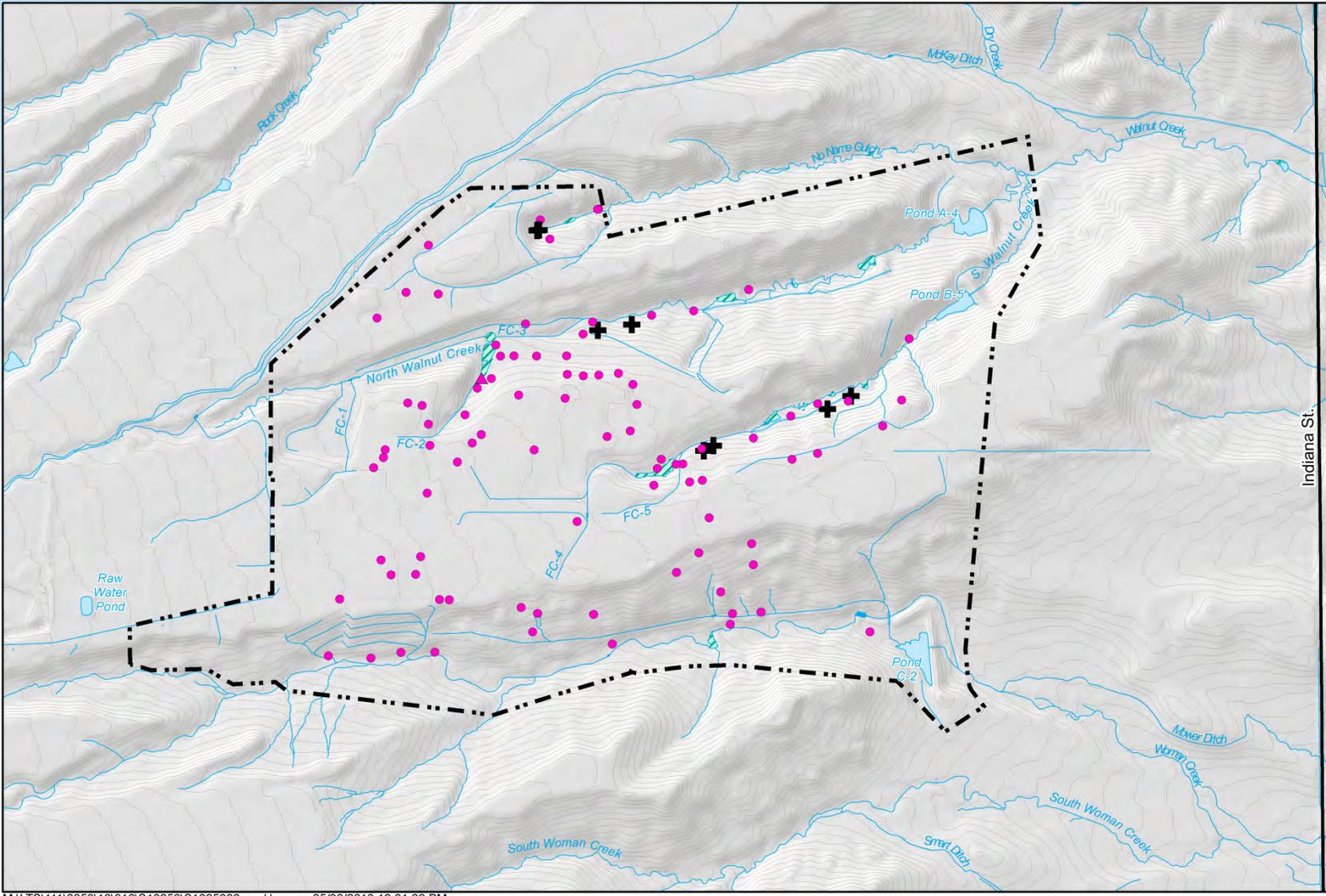
Calendar Year 2012



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# Objective: Protection of Surface Water



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# Groundwater Analytical Data, 2012

- 89 wells sampled once to four times each
- Over 6000 analytical records



# Highlights from 2012

- All RFLMA-required monitoring and evaluation performed
  - All AOC well data below RFLMA levels
  - Consistent with previous results
- OLF, PLF
  - Consulted based on statistical evaluations per RFLMA for a few analytes
  - Continuing to monitor and evaluate per RFLMA
- Work at groundwater treatment systems



# Questions?



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# Site Operations – Calendar Year 2012



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# Site Operations – OLF

- 12 monthly inspections were performed in 2012
- 8 Settlement monuments and 7 inclinometers monitored



# Site Operations – PLF

- Four quarterly inspections were completed in 2012
- Nine settlement monuments and six side slope monitors



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# Annual Site (Central Operable Unit) Inspection – March 12, 2012

- Inspection and monitoring for evidence of significant erosion
- Inspect effectiveness of institutional controls (ICs)
- Evidence of any adverse biological conditions observed during inspection
- Confirm Environmental Covenant is in administrative record and Jefferson County land records



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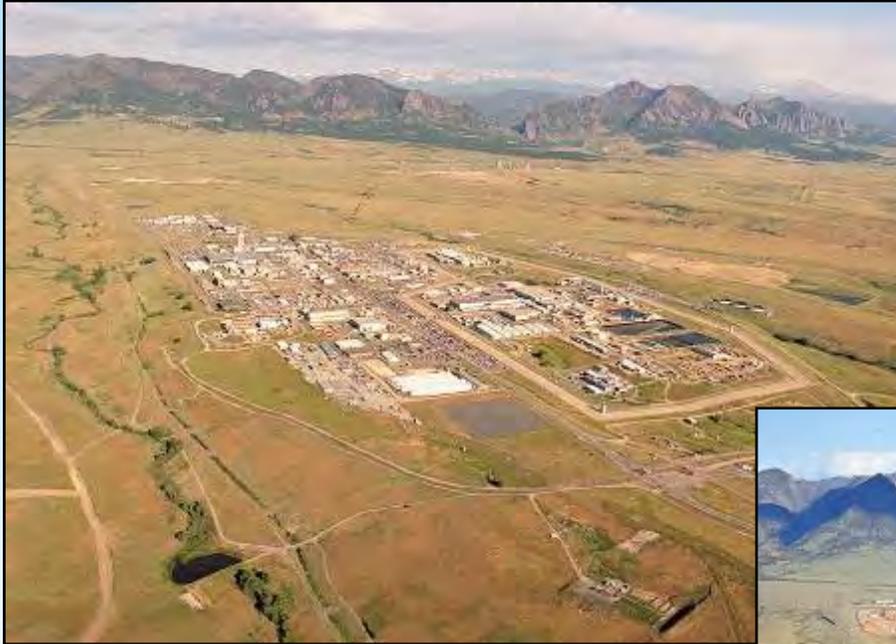
# Questions?



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# 2012 Ecological Monitoring Summary



1995

2011



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# Project Assistance



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# Revegetation Monitoring



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# Wetland Mitigation Monitoring

2005



2011



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# Preble's Mouse Mitigation Monitoring



# Weed Monitoring/Control



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# 2012 Wildlife Monitoring



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