



## Former Sunflower Army Ammunition Plant Restoration Advisory Board Meeting

28 August 2025

### ODASA (ESOH) Mission

Provide unwavering support to the readiness, resilience, safety, and health of Soldiers, Civilians, and Families, directly enhancing the Army's operational impacts and global lethality.

### ODASA (ESOH) Vision Statement

We ensure that the Army's Warfighters are the most lethal fighting force on the planet, ready to station, train, deploy, fight, and win in any environment, any time.

- **Old Business**
  - Approve May RAB Meeting Minutes
- **New Business**
  - Next RAB Meeting (Date and Time)
    - November 20<sup>th</sup> at 6:00 PM (one week earlier due to Thanksgiving)
- Environmental Update
- Agenda for the next RAB meeting
- Questions from the RAB
- Questions from the public
- Close the meeting



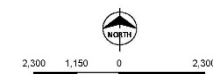
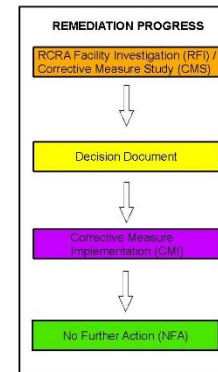
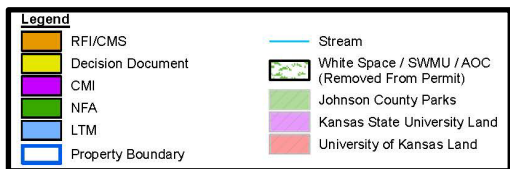
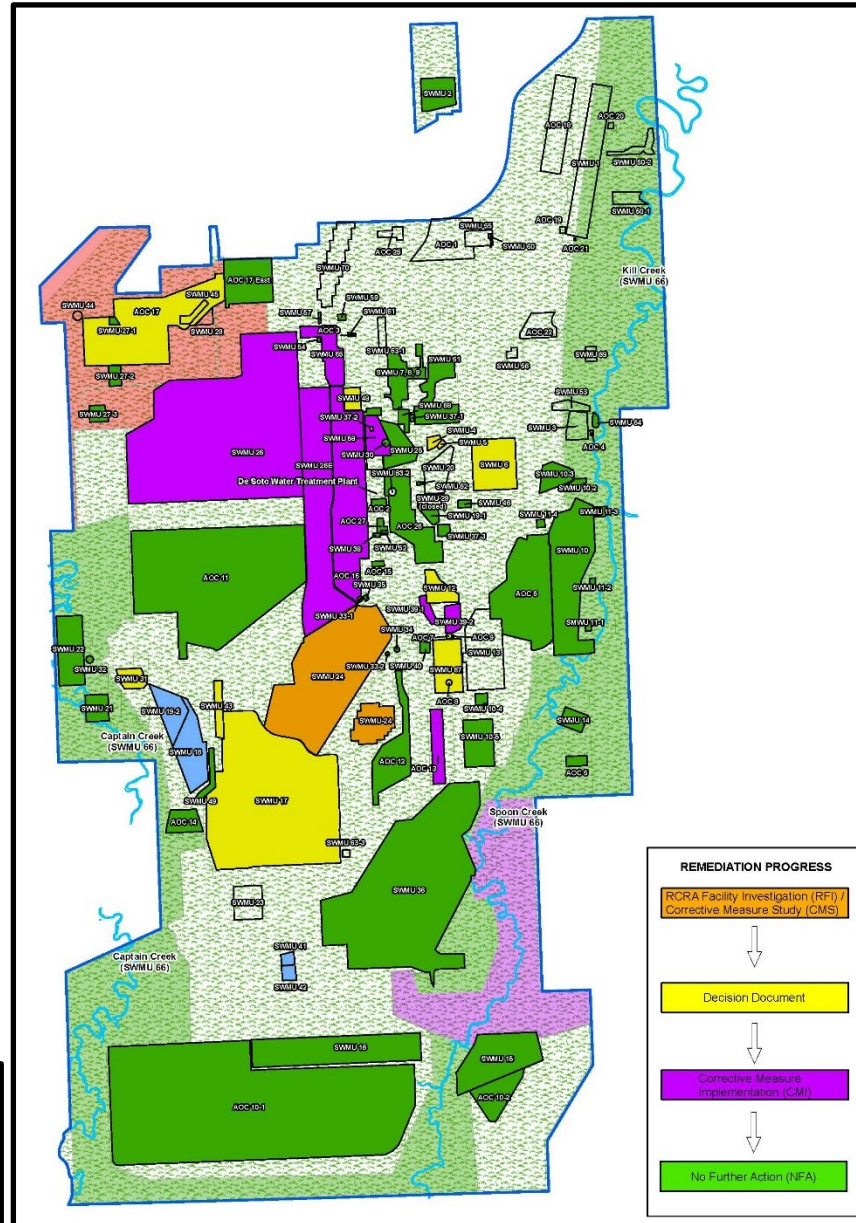
- Approve May RAB Meeting Minutes
  - Edits
  - Approval



- **Next RAB Meeting**

- The fourth Thursday is Thanksgiving.
- November 20<sup>th</sup> is the 3<sup>rd</sup> Thursday





# *Environmental Update*

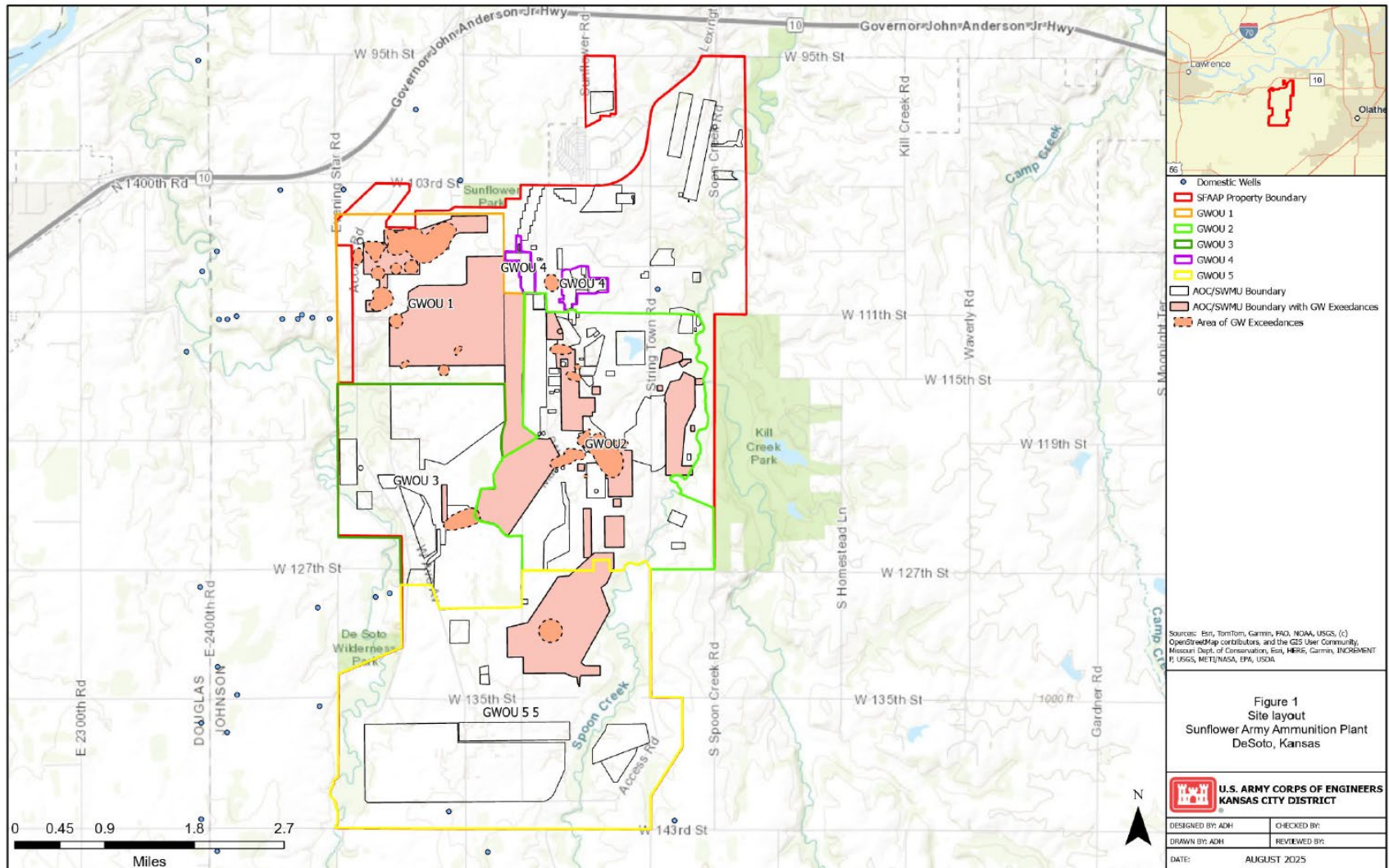
## Site Wide Groundwater



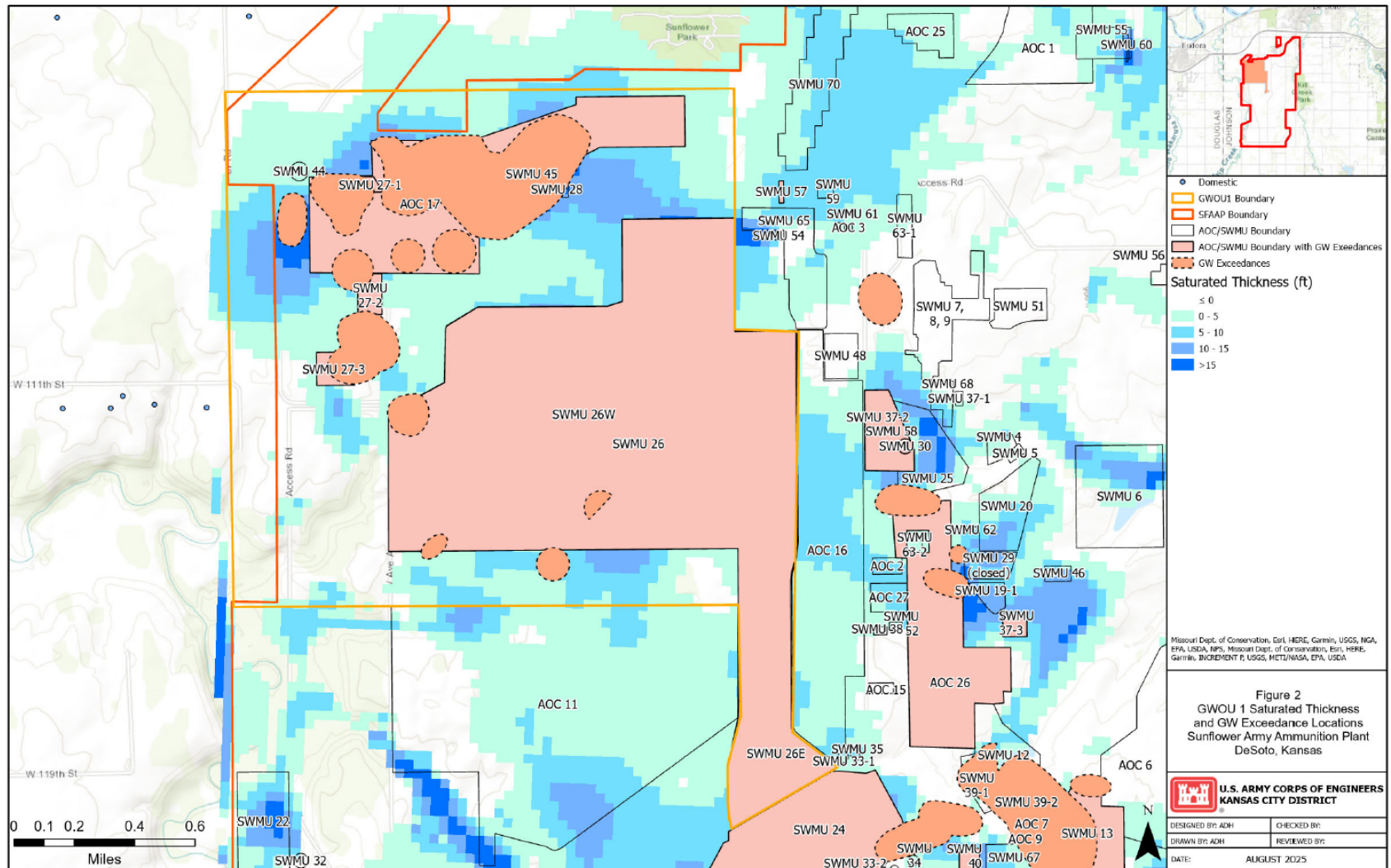


# Environmental Update

## Site Wide Groundwater with Areas of Groundwater Exceedances

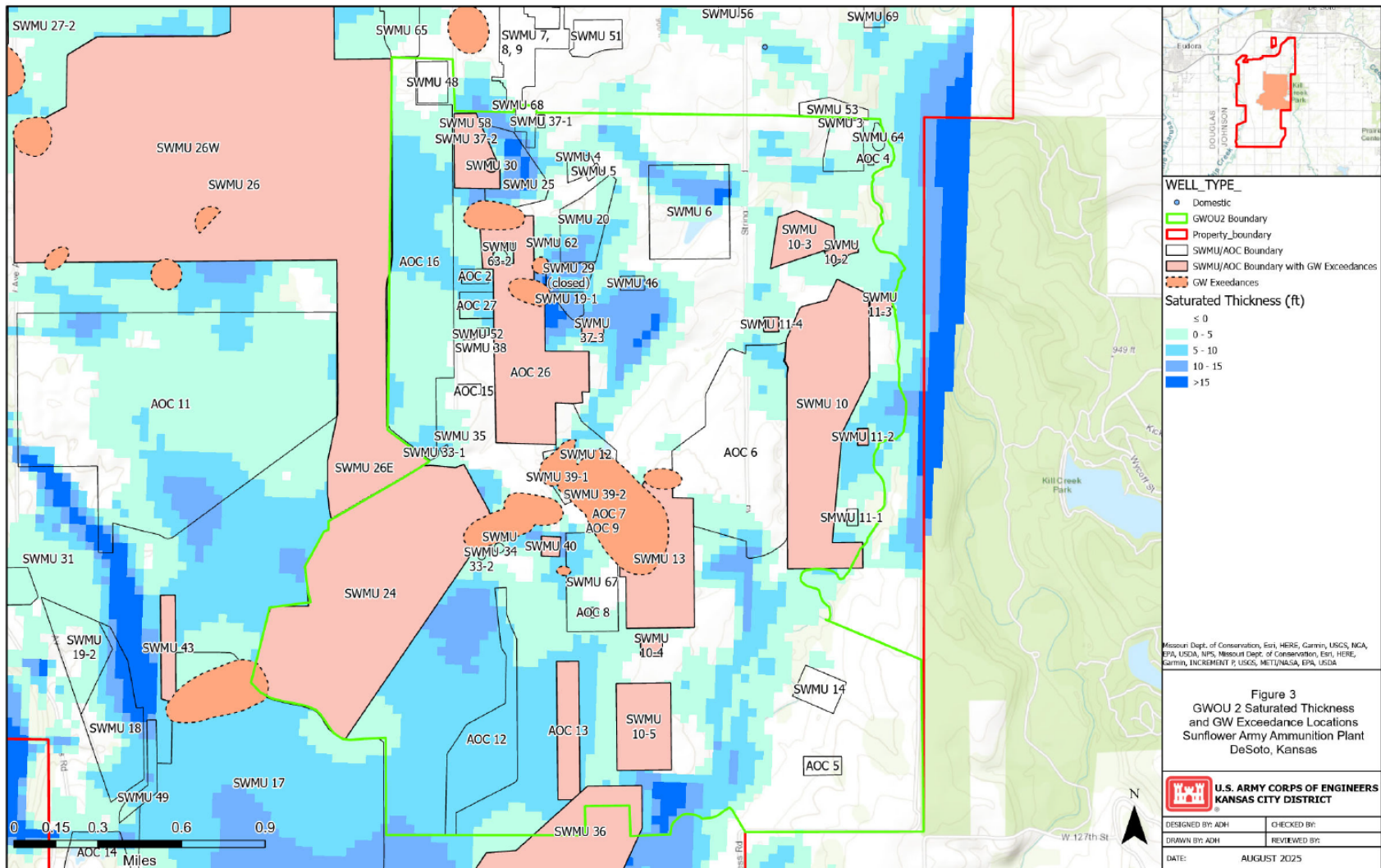


## GWOU 1 Groundwater with Areas of Groundwater Exceedances

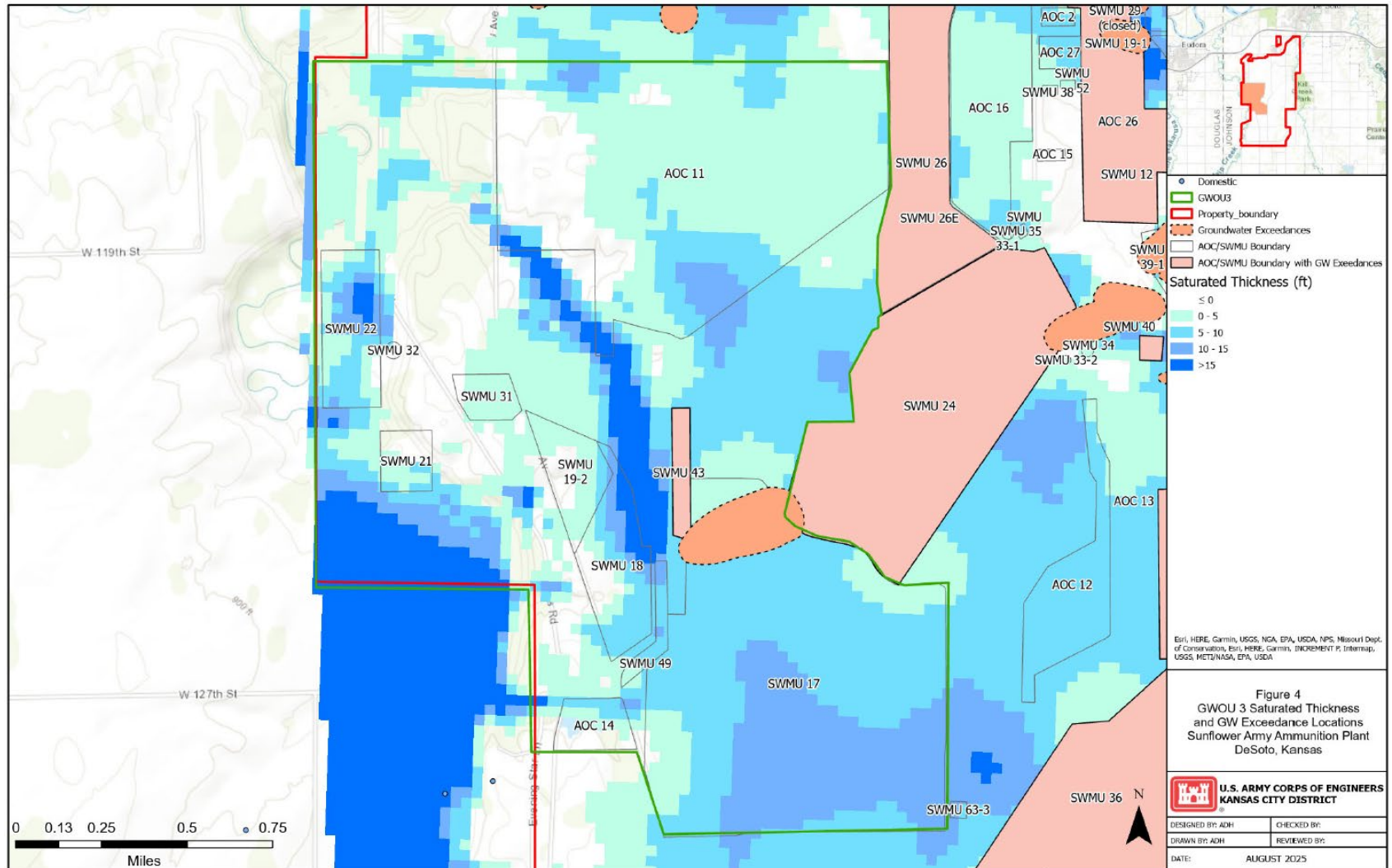




### GWOU 2 Groundwater with Areas of Groundwater Exceedances

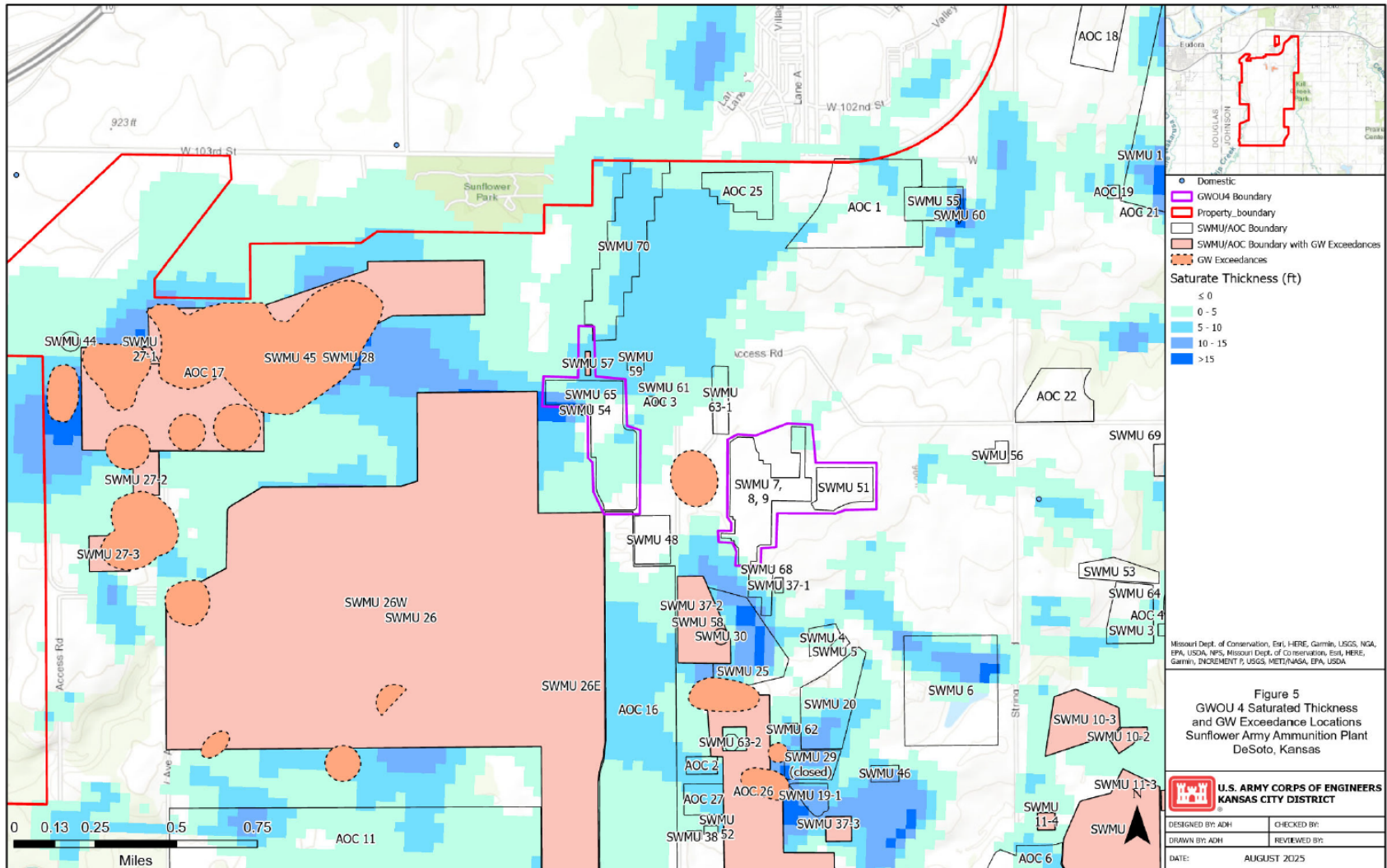


### GWOU 3 Groundwater with Areas of Groundwater Exceedances



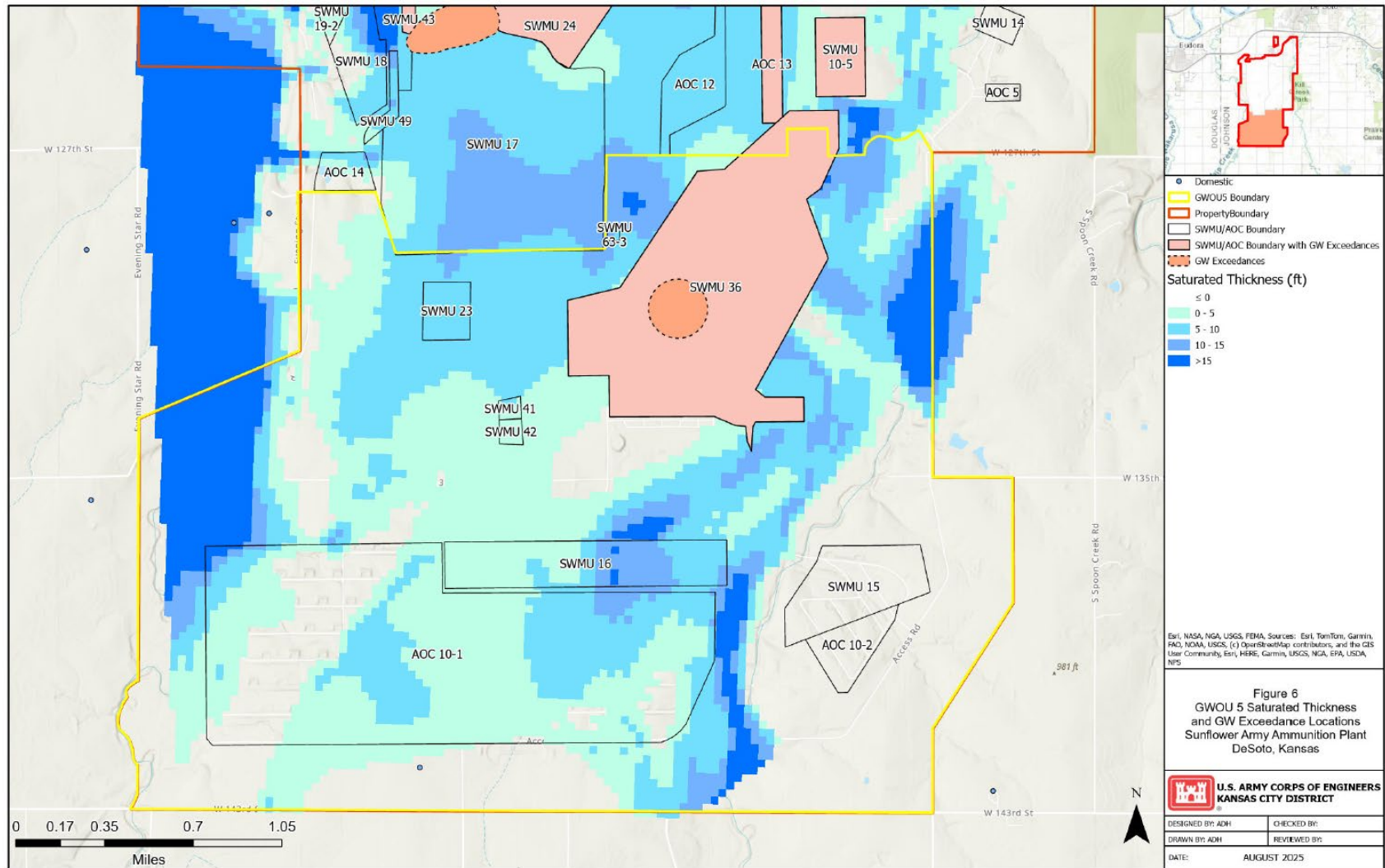
# Environmental Update

## GWOU 4 Groundwater with Areas of Groundwater Exceedances





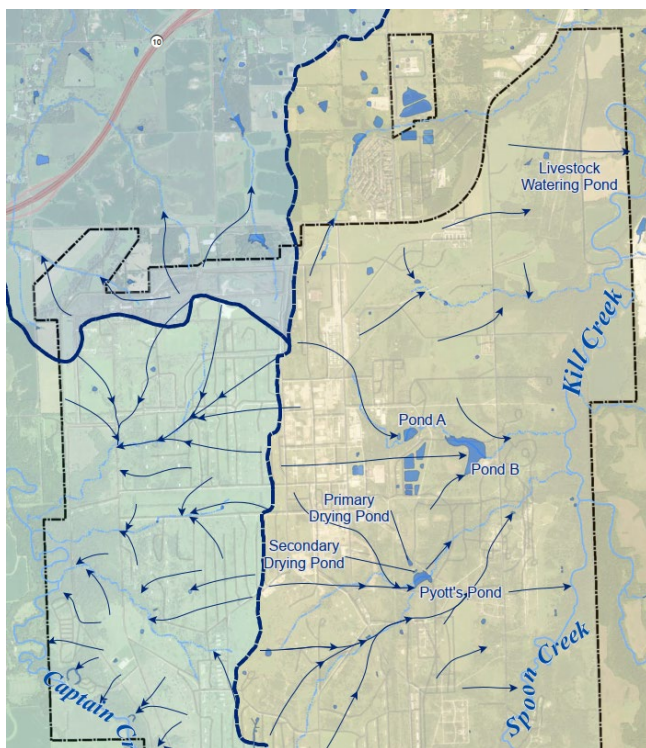
## GWOU 5 Groundwater with Areas of Groundwater Exceedances



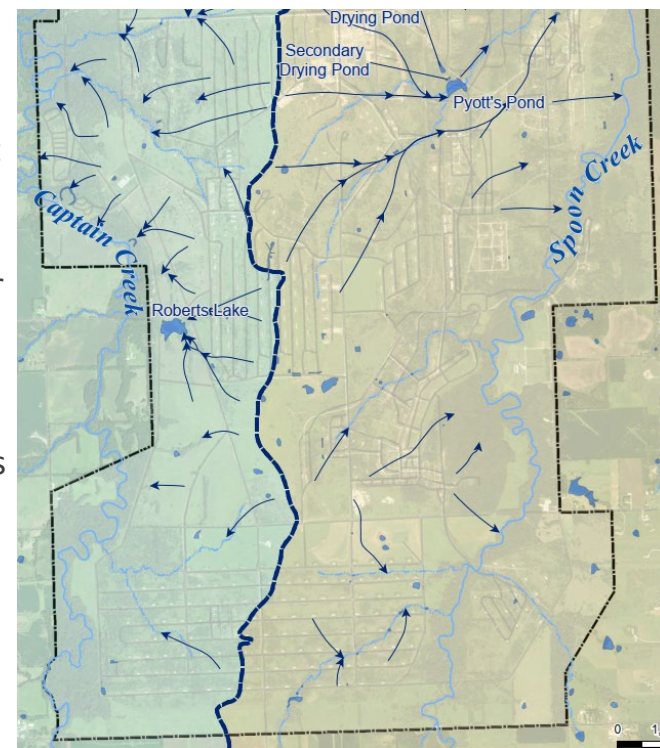
- RCRA Facility Investigations—surface water/sediment
  - SWMU 66



## SWMU 66 – site wide stream study



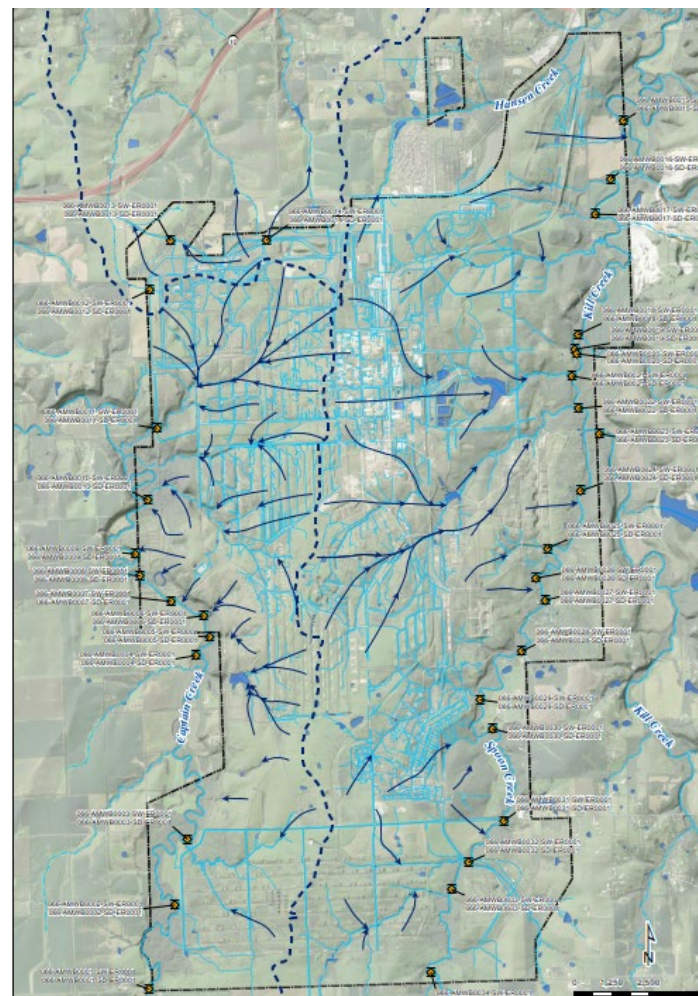
- During operation, hazardous substances and contaminants were released to the environment
- Surface water runoff from operational areas received limited or no controls prior to clean water regulations enacted in the 1970s
- Potential contaminants from SWMUs and AOCs may have migrated to and impacted streams and creeks
  - Captain Creek – Western SAAP
  - Kill Creek – Northeast SAAP
  - Spoon Creek – Southeast SAAP



# Environmental Update

## SWMU 66 – site wide stream study

- Site wide stream study was completed in 2003 to determine whether historical activities at SAAP impacted sediment and surface water quality in major drainages (Captain, Kill and Spoon Creeks) that convey surface water runoff from the installation
  - Metals (beryllium, cadmium, copper, lead, mercury, zinc) were detected in surface water at levels exceeding their respective surface water quality standards (SWQS)
  - Eight pesticides were detected in surface water at levels exceeding their respective SWQS
  - Metals (arsenic, lead, manganese) were detected in sediment at levels exceeding the residential soil pathway
  - One pesticide was detected in sediment at levels exceeding the residential soil pathway
- Interim Corrective Measure Actions have since been completed throughout SAAP
  - Foundations, sewers, and soil removal actions
- This study will reassess potential impacts in drainages from these ICMs –
  - 34 co-located surface water and sediment locations.
  - Analytes include TAL metals, mercury, chromium VI, VOCs, SVOCs, TPH (LRH/MRH/HRH), PCBs, pesticides, herbicides, explosives, nitrate, sulfate, perchlorate



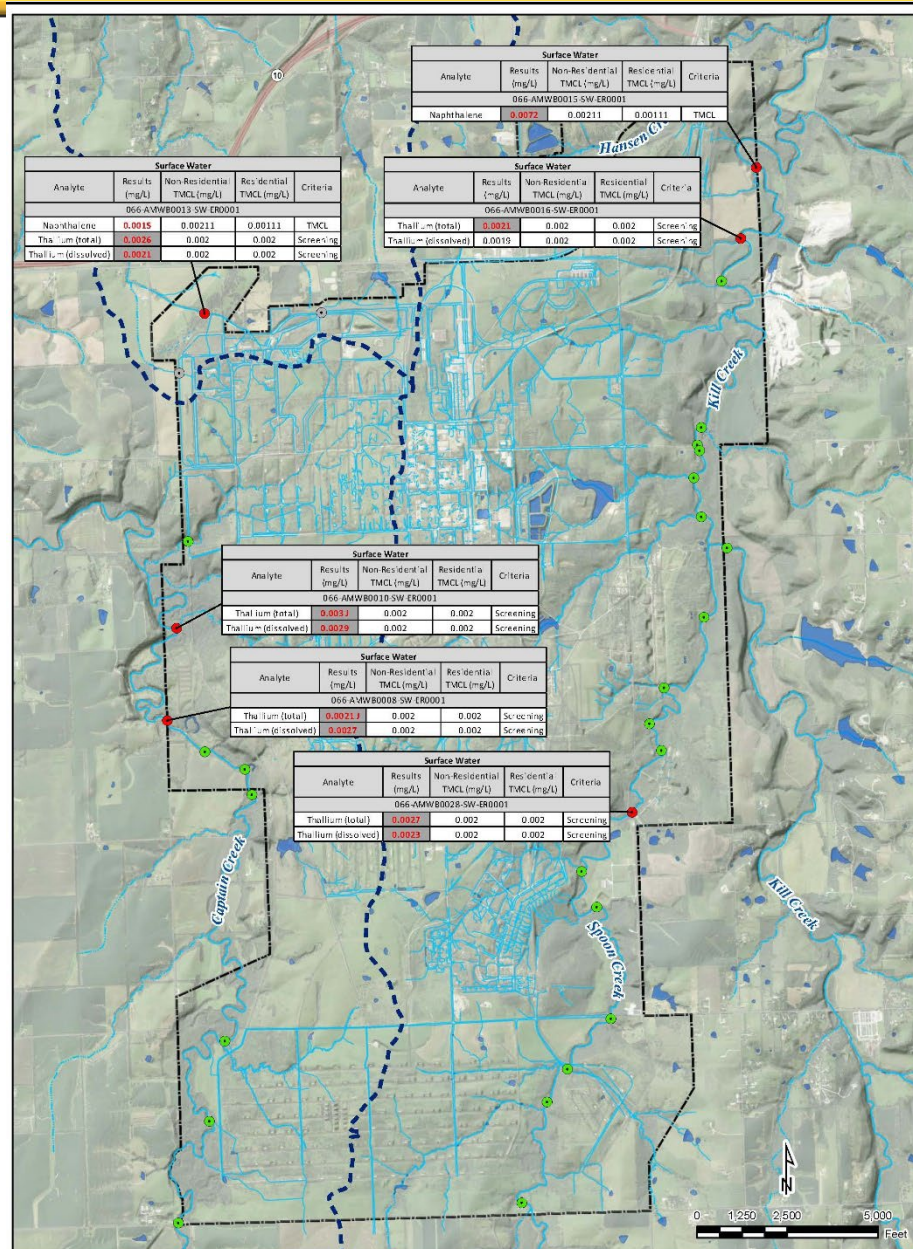


# Environmental Update

## Contaminants of Concern Surface Water

Thallium both total and dissolved exceeded screening criteria. Detections ranged from 0.0015 mg/l to 0.003 mg/l. Residential screening criteria was 0.002 mg/l.

There were two Napthalene detection at 0.0072 mg/l and 0.0015 mg/l with a residential screening limit of 0.00111mg/l.



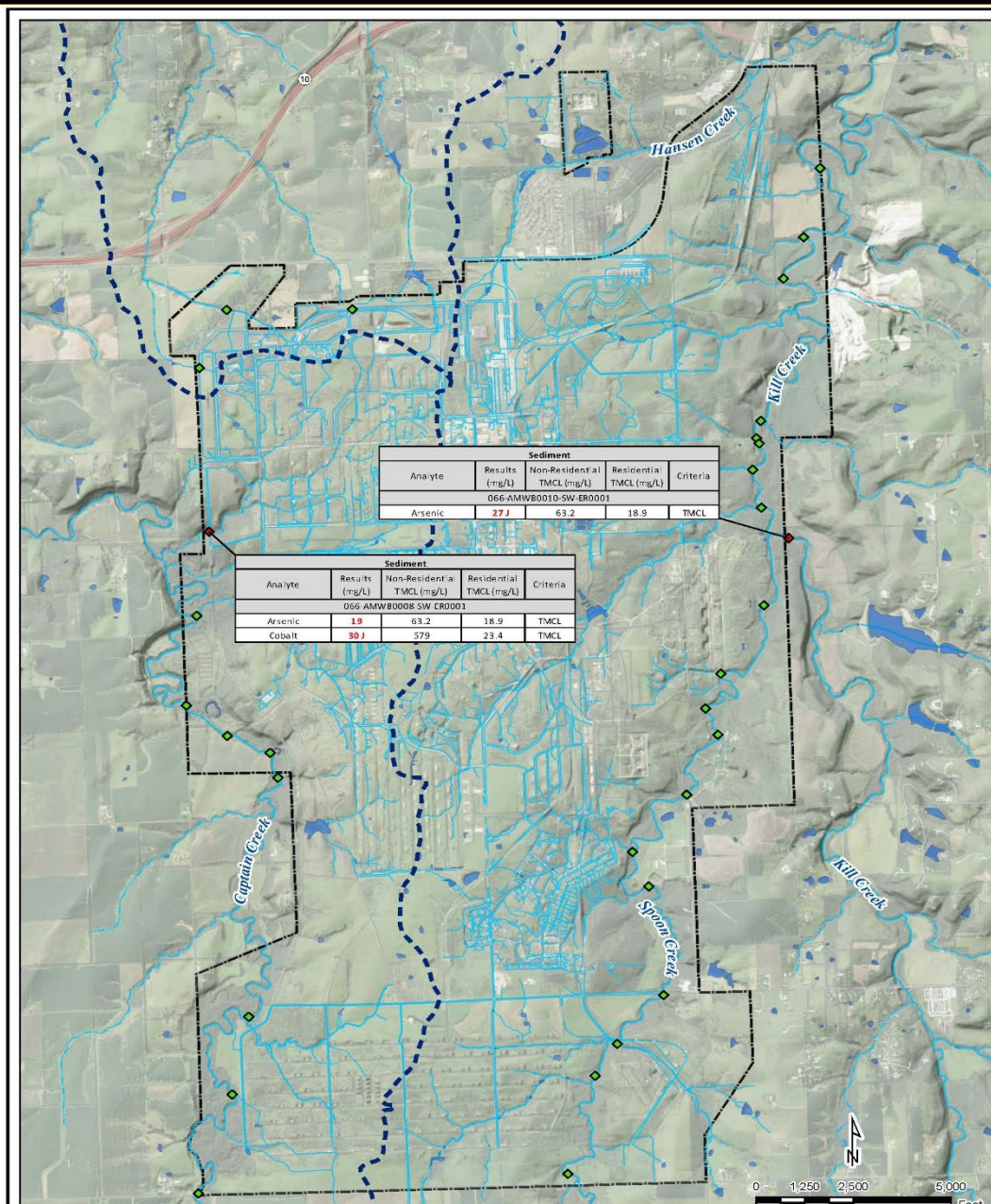


## Environmental Update

### Contaminants of Concern Sediment

Two locations had screening exceedances for Arsenic. Concentrations ranged from 19 to 27 mg/kg. Residential screening criteria was 18.9 mg/kg.

One location had a screening exceedance for Cobalt. The concentration of Cobalt detected was 30 mg/kg vs a screening criteria of 23.4 mg/kg.



## *Environmental Update*

- RCRA Corrective Measure Implementations
  - SWMU 39/58 and AOC 17





## *Environmental Update*

- **SWMU 39**

- Removal of 200 cyds of dioxin contaminated soils
- Excavation complete. Confirmation samples collected.
- Confirmation samples were below clean up goals thus backfill will occur



## *Environmental Update*



North Excavation



South Excavation

## *Environmental Update*

- **SWMU 58**

- Removal of 3000 cyds of Arsenic, Lead, TPH-MRH, and PCB contaminated soils.
- Excavating continues in SWMU 58





## *Environmental Update*



Clearing Building Debris



Earthen Berm

## *Environmental Update*



Excavation Areas 5 and 6



TSCA Waste Stockpile Area





Excavation Area 4 (South Portion)

## *Environmental Update*

- **AOC 17**

- The interim CMI includes removal of 20 sumps, including draining and cleaning the sumps, demolition and removal, excavation of potentially contaminated soil, confirmation sampling, backfill and site restoration, with the intent to achieve closure of the sumps and surrounding soils based on residential criteria.
- Sumps have all been removed and samples collected. Backfill is ongoing



### East Elevation

☉ 279°W (T) ☉ 38°56'5"N, 95°1'25"W ±19ft ▲ 945ft



Backfilling B9040

### North East Elevation

☉ 222°SW (T) ☉ 38°56'8"N, 95°1'38"W ±16ft ▲ 937ft



Backfilling B900-1



## Environmental Update



D900-2 Backfilled



Stockpile Area

## *Environmental Update*



C928-2 Backfilled



C928-1 Backfilled



## Remaining Environmental Tasks at SFAAP

- Corrective Measures
  - AOC 16 Corrective Measure ---SRL
  - SWMU 65 Corrective Measure—SRL
  - SWMU 26 Corrective Measure---SRL
  - AOC 17 Sump Removal 2<sup>nd</sup> half---Army
  - SWMU 17 Corrective Measure---Army
  - SWMU 4,5, and 6 Corrective Measure---Army
  - SWMU 24 Corrective Measure---Army
- Investigations
  - GWOUs 1,2 and 3
- Long Term Monitoring
  - Reduced areas of GWOU1, 2, 3 and 5

- November 2025 Agenda
  - Discussion



## *Questions And Contact Information*

Army Environmental Command:

Email for Public Affairs Officer: [Usarmy.jbsa.imcom-aec.mbx.public-mailbox@army.mil](mailto:Usarmy.jbsa.imcom-aec.mbx.public-mailbox@army.mil)

Website: <https://aec.army.mil/sfaap>

Qrcode: 

Where To Find The Administrative Record:

Sunflower Army Ammunition Plant

35425 W. 103<sup>rd</sup> Street

De Soto, KS 66018

[Scott.e.smith138.civ@army.mil](mailto:Scott.e.smith138.civ@army.mil)

(202) 815-6779

Future RAB Meetings:

Dates will be posted on the AEC website.

