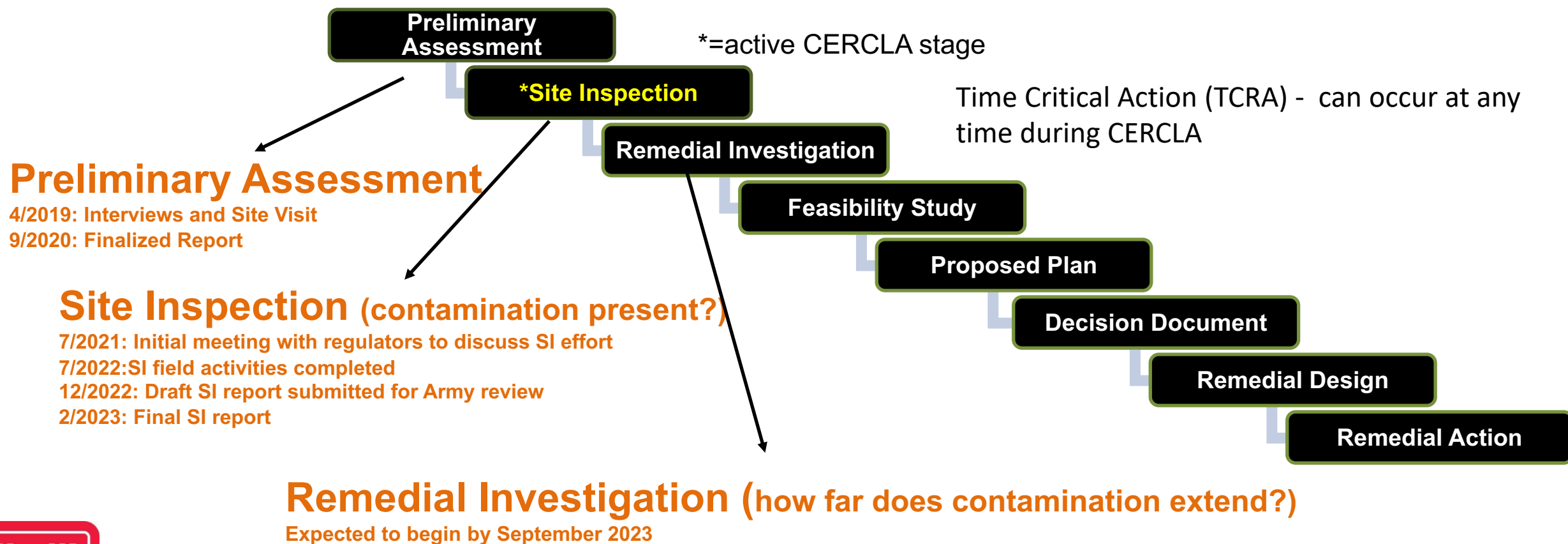




ARNG's CERCLA Timeline at Waiawa UTES

CERCLA = Comprehensive Environmental Response, Compensation, and Liability Act



Waiawa Gulch Training Site (TS) and Unit Training and Equipment Site (UTES)

- Soil:
 - Detections of PFBS, PFHxS, PFNA, PFOA, and PFOS below the screening levels.
- Groundwater:
 - Screening level exceedances at 5 of 6 sampling locations.

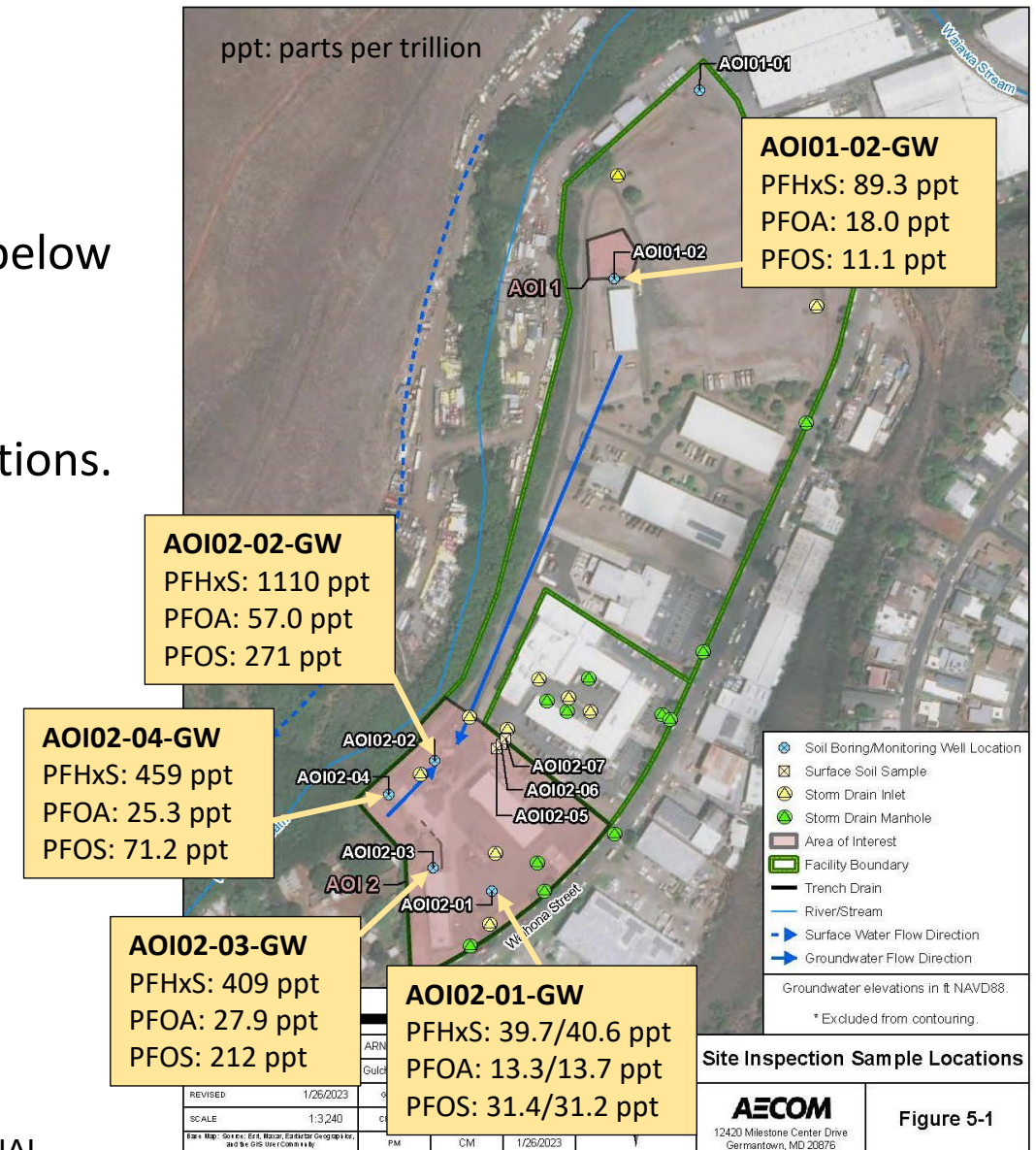
Table 6-1: Screening Levels (Soil and Groundwater)

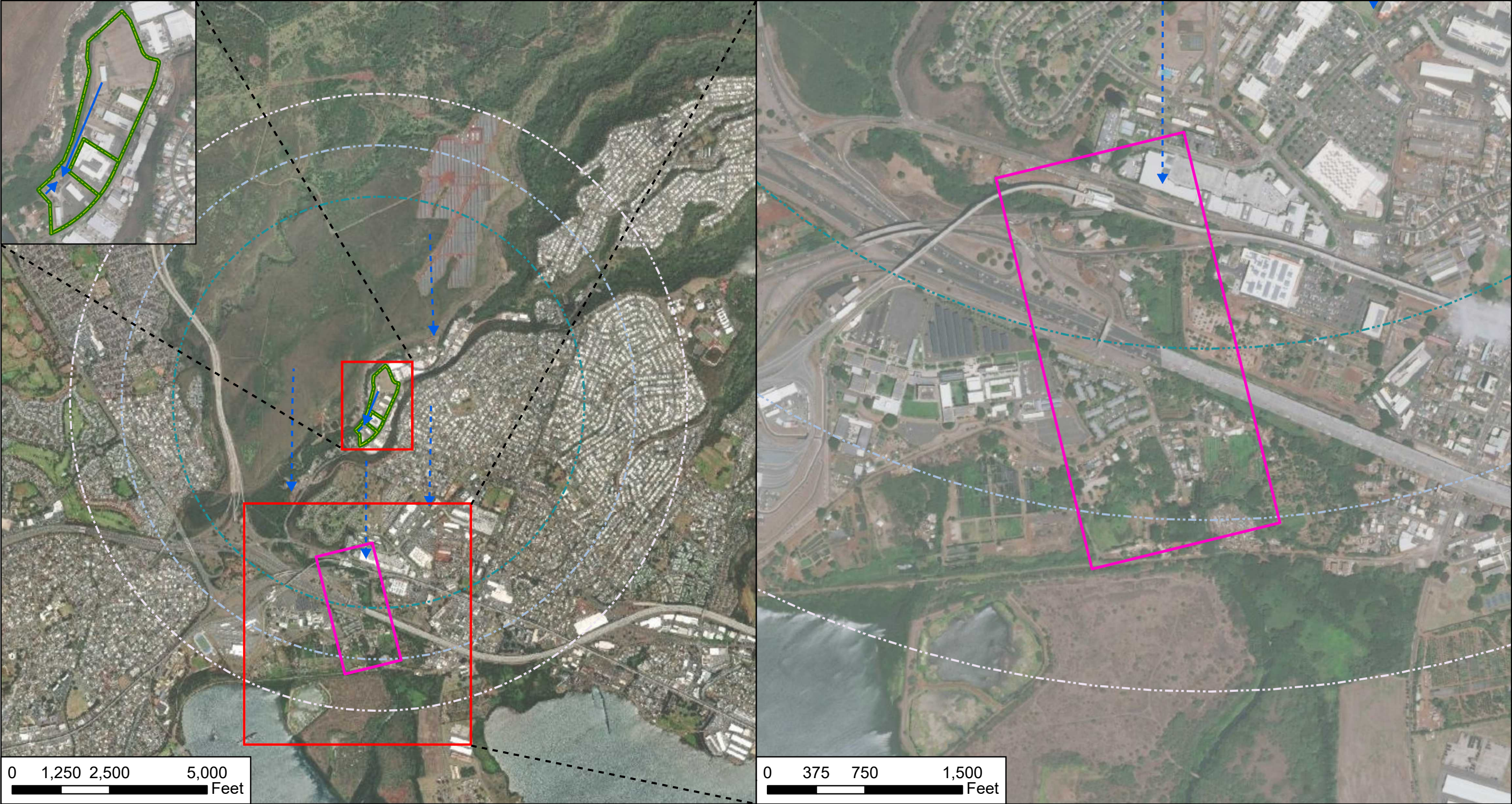
Analyte ^b	Residential (Soil) (µg/kg) ^a 0-2 feet bgs	Industrial/ Commercial Composite Worker (Soil) (µg/kg) ^a 2-15 feet bgs	Tap Water (Groundwater) (ng/L) ^a
PFOA	19	250	6
PFOS	13	160	4
PFBS	1,900	25,000	601
PFHxS	130	1,600	39
PFNA	19	250	6

Notes:

bgs = below ground surface; µg/kg = micrograms per kilogram; ng/L = nanograms per liter

- Assistant Secretary of Defense, 2022. Risk Based Screening Levels in Groundwater and Soil using United States Environmental Protection Agency's (USEPA's) Regional Screening Level Calculator. Hazard Quotient (HQ) = 0.1. 6 July 2022.
- Screening values for HFPO-DA were established after SI planning and execution and thus not included as an analyte. Future CERCLA phases will include HFPO-DA if warranted.





CLIENT		ARNG			
PROJECT		Waiawa Gulch Training Site & UTES, HI			
REVISED	2/3/2023	GIS BY	SK	2/3/2023	
SCALE	1:30,000	CHK BY	JW	2/3/2023	
Base Map: Source: Esri, Maxar, Earthstar Geographics, and the GIS User Community		PM	CM	2/3/2023	

- Approximate Residential Sampling Area
- Facility Boundary
- 1 Mile Buffer
- 1.25 Mile Buffer
- 1.50 Mile Buffer

- Facility Groundwater Flow Direction (Observed during SI)
- Inferred Basal Aquifer Groundwater Flow Direction



Drinking Water Survey Area /w 1, 1.25, and 1.50 Mile Delineations from Waiawa Gulch Training Site & UTES

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