

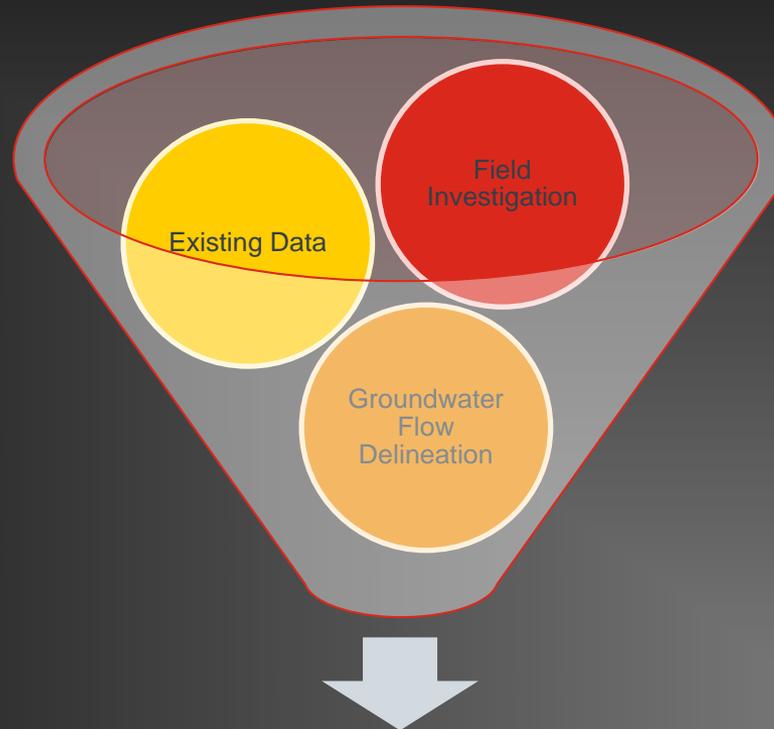
Groundwater Characterization for PFAS Contamination at Fairbanks International Airport

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Groundwater Characterization



Site Characterization and Plume Delineation

Work Plan Development

- Establish investigation goals
- Identify boundary for site characterization
- Determine sampling locations
 - FAI property, West bank of Chena River, North boundary of FAI property, southern/western/eastern extents
- Determine sampling media
 - Groundwater from monitoring wells, surface water (ponds and Chena River), and soil



Work Plan Development (cont.)

- Delineate the plume horizontally
- Profile the plume vertically
- Profile migration to the Chena River
- Profile PFAS in soil at select locations
- Review work plan with FAI
- Obtain approval of work plan from ADEC

Work Plan Implementation (Field Investigation)

- Field work is currently scheduled for June – September 2018
- Investigation locations are primarily on FAI property or public ROW.
- Phased Investigation
 - Phase I – Large Scale
 - Phase II – Data Gap Investigation
 - Phase III – Refinement

Groundwater Characterization Report

- Existing data on foam usage, recent well sampling results, and other relevant data will be referenced and incorporated.
- Upon completion of field work, a characterization report will be prepared to document investigation techniques, results, and recommendations for long-term monitoring.

Long-Term Monitoring (LTM)

- Propose frequency and protocol for continued analytical sampling of groundwater, surface water, and soils over the long-term (> 1 year).
- Monitor existing and potential impacts to ground water, surface water, private/public water sources, and aquatic biota.
- Recommend mitigation, as appropriate.
- Inform the community, state agencies, and FAI of analytical results/associated action items.

What is next?

- Finalize draft work plan (March 2018)
- Obtain ADEC approval of the work plan (April 2018)
- Field investigation/implementation of work plan (June-September 2018)
- Report findings (October/November 2018)
- Propose recommendations for mitigation and LTM (October/November 2018)

Questions?