

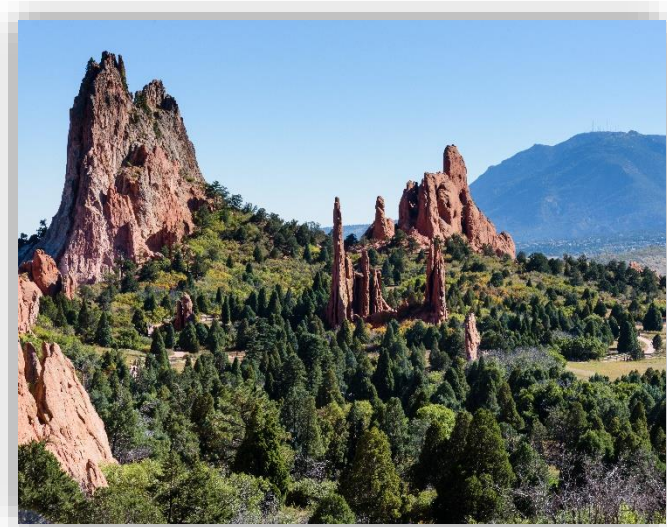
# Identifying PFAS in Your Community: PFAS Site Characterization

Colorado Department of Public Health and  
Environment

Hazardous Materials and Waste Management  
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[www.colorado.gov/cdphe/hm](http://www.colorado.gov/cdphe/hm)

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**COLORADO**  
Hazardous Materials  
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Department of Public Health & Environment

# PFAS Site Characterization

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- Underlying Issues:
  - No clear regulatory authority to compel investigation and remediation
  - Many unknowns regarding science & toxicology related to PFAS compounds
- Primary goals of site characterization:
  1. Identify source(s)
  2. Delineate nature and extent of contamination
  3. Quantify potential exposures and risks



# Identify Source(s)

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- Difficult to confirm potential sources; no clear regulatory authority to require PFAS sampling
- No official standardized analytical methods for environmental media
- What levels of which PFAS compounds will be considered a release? Are they additive or looked at separately?



# Delineate Nature & Extent

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- Which PFAS compounds should be investigated?
- What levels of which PFAS compounds will determine the extent of the plume has been delineated?
  - Health Advisories for PFOA and PFOS
  - Lack of Regional Screening Levels (RSLs) and Soil Screening Levels (SSLs)



# Quantify Potential Exposures & Risks

- Risk assessments will be challenging:
  - No Tier 1 or Tier 2 peer-reviewed toxicity values available for most PFAS compounds
  - Exposure pathways:
    - Ingestion (Plants, livestock, fish, etc.)
    - Dermal
    - Inhalation
  - No ecological risk numbers readily available



# PFAS Site Characterization

- No insurmountable challenges, if we work collaboratively
  - Unknowns regarding science & toxicology
  - Regulatory infrastructure
- Applaud EPA's efforts to establish a more-unified approach to addressing PFAS
- Lessons-learned used to develop more-collaborative approach for addressing emerging contaminants in the future

