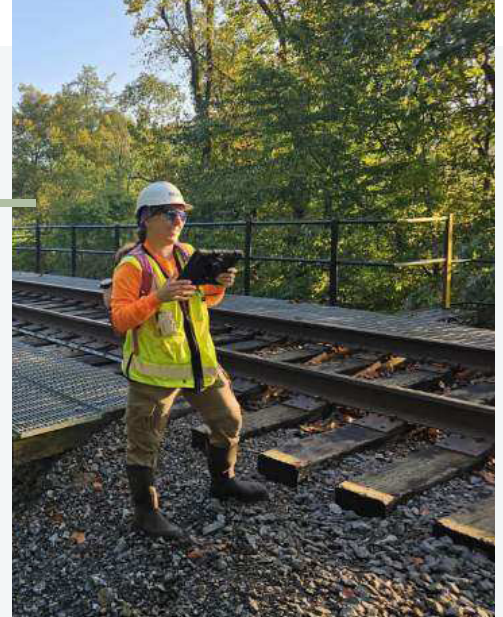


Project Management Dashboard (PMDB) for Site Assessment, Investigation & Remediation

BEM Systems, Inc. has created the PMDB, a web-enabled project management dashboard that serves as a central repository for project data. It enhances communication and decision-making for the project team, field team, clients, and regulatory stakeholders by providing real-time data for monitoring progress and schedules.

Laboratory results are automatically synced when electronic data deliverables (EDDs) are received from the analytical laboratory, allowing users to query data with regulatory or client-specific criteria. The PMDB is adaptable to new compounds and complies with Cybersecurity Maturity Model Certification (CMMC), ensuring the protection of Controlled Unclassified Information (CUI).

Additionally, the PMDB facilitates the creation of conceptual site model deliverables, like cross-sections and maps, to visualize and quantify PFAS impacts, helping prioritize sites for action or further assessment.



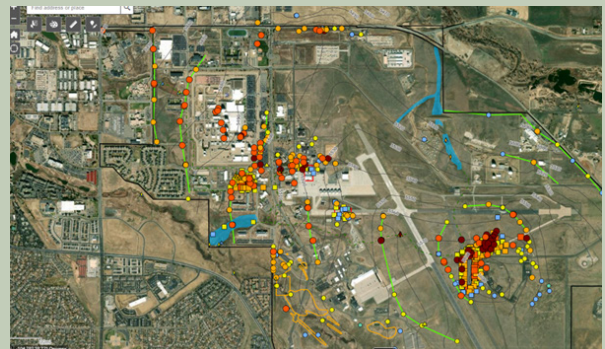
Centralized web-based portal for project information and environmental data. Provides tiered, secure access to client and regulatory stakeholders.

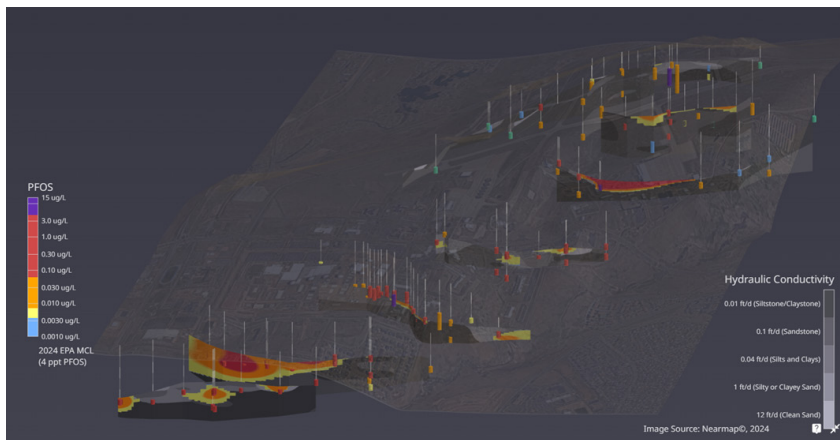
Including:

- Document Sharing & Archiving
- Project Communication
- Schedule Tracking
- Work Planning
- Data Visualization & Querying,
- Public outreach, &;
- 3D CSM development

Purpose

- Facilitate stakeholder communication and document sharing;
- Integrate all necessary data to accelerate both the development of site-specific and basewide CSM(s);
- Support and enhance real-time decision-making on delineation and data gaps;
- Promote overall efficiency and reduces project risk; and,
- Increase data transparency with public and regulatory stakeholders.





Technical Approach

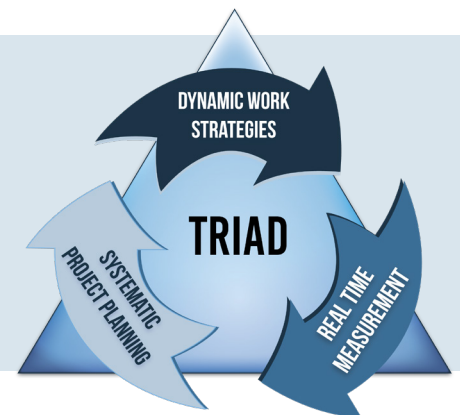
TRIAD-like HRSC approach

- Stratigraphic flux-based CSMs.
- Multiple AFFF source-strength leaching evaluations.
- Downgradient groundwater vertical aquifer profiling (VAP) transects to develop 3D map of PFAS mass flux.
- Groundwater-surface water interaction assessments.
- RI data also supported:
 - Phase I Human Health & Ecological Risk Assessments.
 - Bench- and field-scale in-situ stabilization (ISS) treatability studies.
 - The client requesting funding for removal action or response action.

TRIAD Strategy

EPA-approved strategic process designed to reduce decision uncertainty and improve data defensibility. Based on science and technology using an adaptive process. Built on 3 interactive pillars:

- Pillar 1 - Systematic Project Planning
- Pillar 2 - Dynamic Work Strategies
- Pillar 3 - Real Time Measurement Technologies



Site Investigation Case Studies

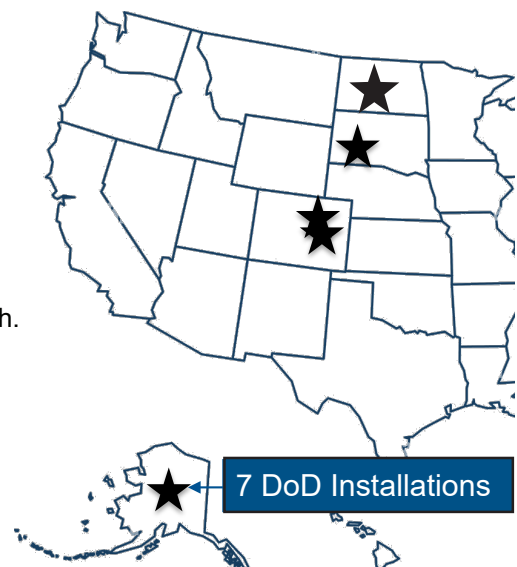
- BEM has successfully demonstrated high-resolution characterization using Triad and PMDB at **10 project sites** (both urban and remote) in **4 states**, including involvement from **multiple State and Federal (EPA) agencies**.
- The approach **improved interim decision making** and eliminated extraneous mobilizations and interim reporting, thus **reducing cost** and **accelerating the schedule** of an otherwise traditionally slow and rigid investigation approach.

15%-25%

Cost Savings
(i.e. \$Ms)

25%-40%

Schedule Savings
(i.e. years)



7 DoD Installations

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