

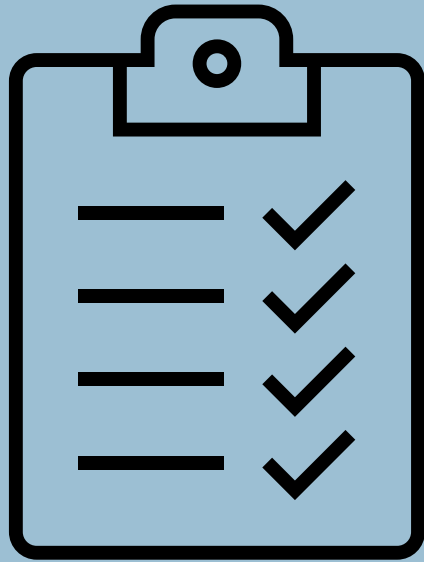


Welcome to the Arid Southwest Natural and Nature Based Feature Workshop

**Aubrey Harris, PE PhD
Albuquerque, New Mexico
7-8 May 2025**



Welcome Overview



- Project Team
- Safety/Emergency Protocols
- Project Origin & Objectives
- Data collection disclaimer
- Organization of this Workshop



Project Team

- **USACE Engineer Research and Development Center (ERDC):**

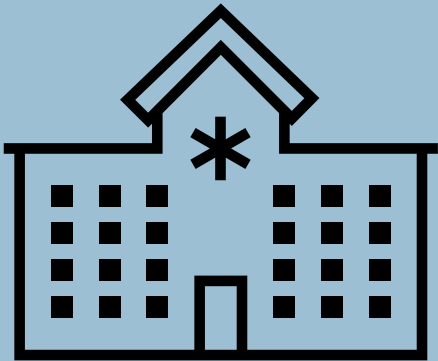
- Aubrey Harris (EL)
- Judith Vondrzyk (CREL)
- Burton Suedel (EL)
- Chris Haring (CHL)
- Steven Bailey (CHL)

- **USACE Albuquerque District (CESPA), unless otherwise specified:**

- **Project Development Team:** Sarah Moore, Mark Doles (South Pacific Division), Reid Riley, Jonathan AuBuchon, Aaron Flammang, Alicia Lopez.
- **Workshop Support:** Shantel Anderson, Malia Sutphin, Chris Parrish (Tribal Nations Technical Center of Expertise), Hira Walker, Dana Price, Danielle Galloway, Griffin Nuzzo, Lavonna Begay, Stephanie Jenstch, Delia Jimenez.



Safety & Emergency Protocols

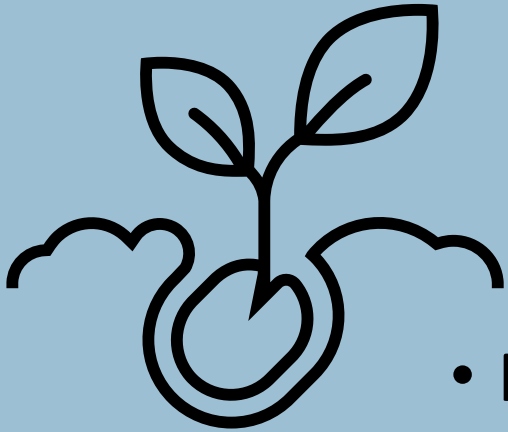


- Guests have access to: Bathrooms (West) and Break Room (North) of Conference Room.
- Enter and Exit through main entrance, SE of Conference Room
- Anywhere else, including other exits, require escort.
- If a fire drill or other event occurs, you'll be escorted/gather at the SW side of parking lot.
- Recommended not to step over cables in the parking lot, but cross at crosswalks.



Project Origin

- Submitted as a “Statement of Need” by the USACE Albuquerque District (USACE-SPA):

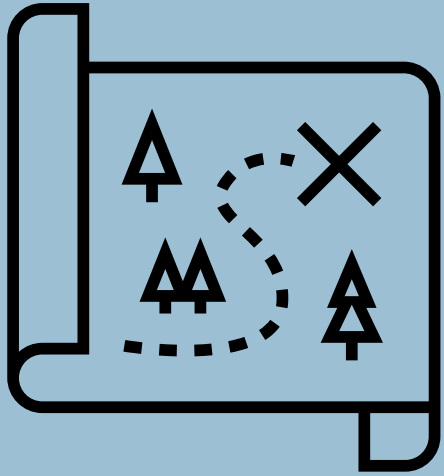


- Desired outcome: written Specifications for Natural and Nature Based Features (NNBF) appropriate for Arid Environments
- For Regulatory/Planning to share with partners to assist in mitigation, reduce adverse effects.

- Funded by the USACE Engineering with Nature Program (EWN).
 - Develops written materials to support USACE and partner implementation of NNBF, Nature Based Structures (NBS), and other sustainable engineering/multi-purpose projects.
 - Lately funding research for “Playbooks” or guides that are regionally-focused, or design/purpose-focused.



Project Objectives



Overarching Research Project (until FY27)

- Identify barriers to NNBF implementation in USACE project planning processes, particularly in an arid environment.
- Remedy those barriers with a framework, using a couple examples (E.g. infrastructure protection?)
- Piloting the framework, establishing a method for other NNBF types/purposes to be added.

This year's effort:

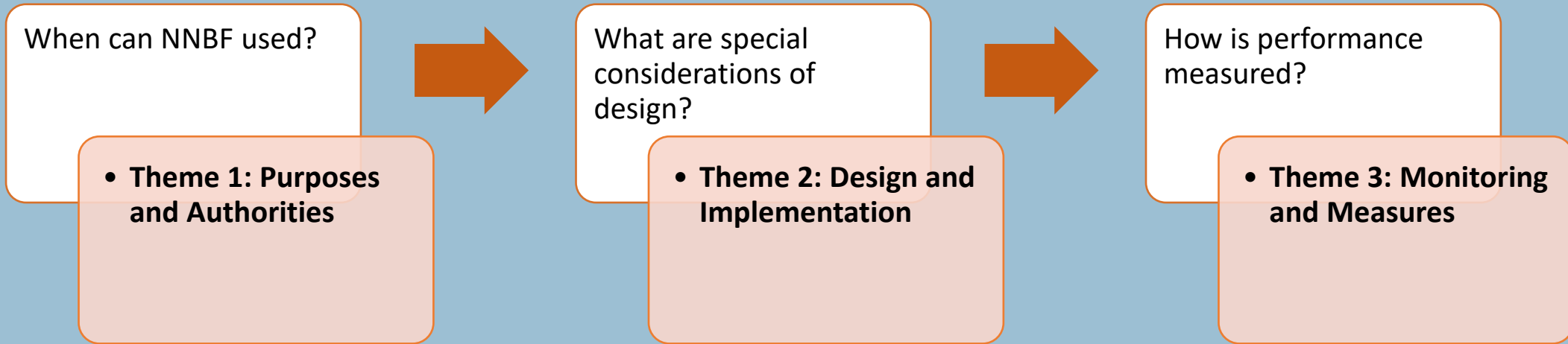
- Understand the state of the practice of NNBF in Arid Environments.

This workshop:

- Work with practitioners to identify state of the practice, existing documents/projects, and project processes to support NNBF in Arid Environments.



Organization of this Workshop



“Analysis” Points:

Day 1:

- Ice-Breaker
- Presentation Blocks, with ~4 presentations.
 - Followed with Question and Answer/Discussion
 - Poll: Challenges associated with each theme
- End-of-day Worksheet

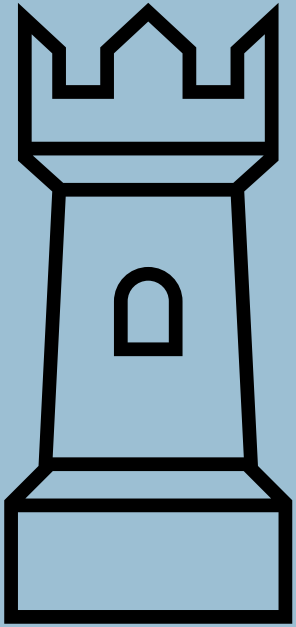
Day 2:

- Break-out Groups
 - Brainstorming Challenges/Existing Support
 - Begin to address challenges via Framework strawman

Post-workshop +7 Days....

- Workshop Questionnaire
- Submit Design documents, pictures, project information to CESPA-AridSW@usace.army.mil

Data Collection Disclaimer



- This workshop is part of the overarching research effort.
- Polls, written notes, submitted project documents, etc. will be used to inform research foci and contribute to written deliverables (i.e., specification framework, state of the practice report)
- We will anonymize and generalize any of this information so it cannot be attributed to you as individual.
 - When we ask for your name, it is so we can follow up.
- We will share with you generalized/anonymized workshop outcomes, presentations for your personal use (please cite this workshop/presentations appropriately).
- If you're interested in collaborating further as this research develops, you are welcomed to.

