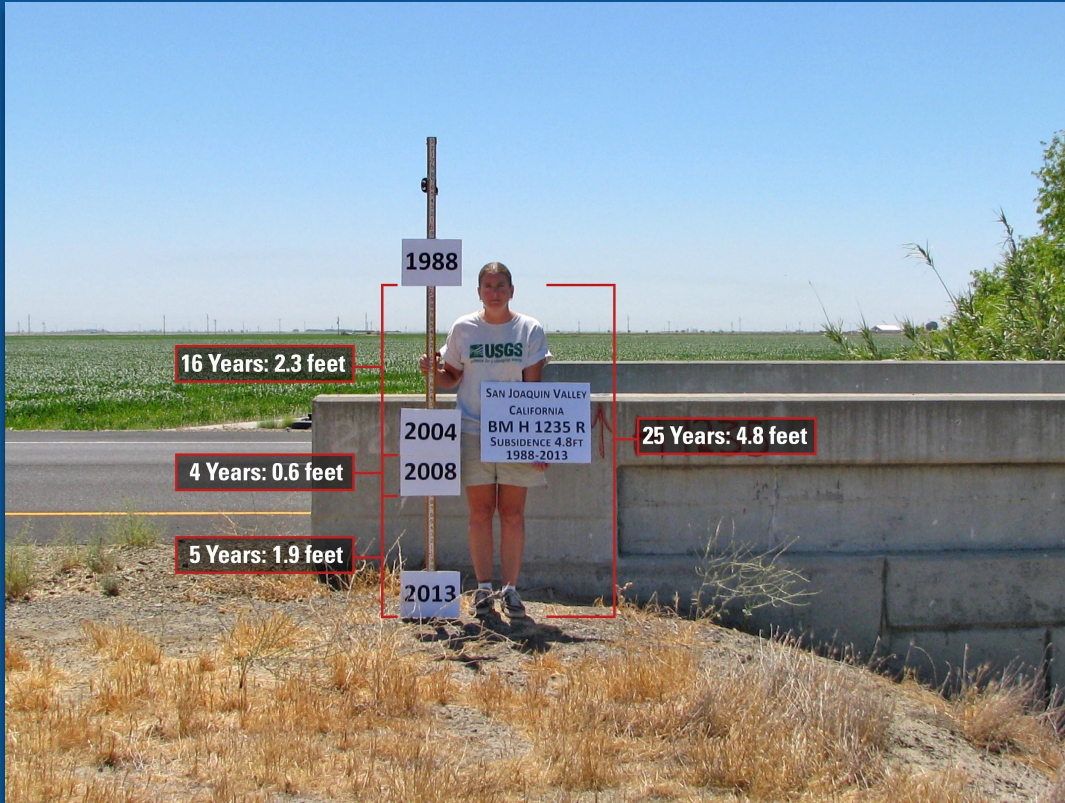


Managed Aquifer Recharge Project

Project Overview
Position: Project
Co-Lead, Policy
Office,
Cal OES 2017-2019
Millie Starliper



Michelle Sneed, hydrologist with USGS, showing subsidence in CA Central Valley

Project Overview

Goal

Leverage \$80M FEMA HMGP funding for innovative mitigation projects to halt subsidence, mitigate drought, and reduce flooding - hazards exacerbated by climate change.

Players

Coordinate with agencies like **CA Department of Water Resources** and **USGS CA Water Science Center** to identify scientifically-sound, impactful, eligible projects.

My Role

My role as co-lead in this project was to use knowledge of HMGP funding and earth science to identify novel eligible projects.

- **Coordinated** with state and federal partners to identify projects
- **Integrated** the special projects into the regular HMGP process
- Acted as **liaison** to local government subapplicants **offer technical assistance, track application progress, and expand state and local policy understanding**

Project Co-Lead: Daily Role

My daily duties included:

- Led** stakeholder engagement, held **regular meetings** to discuss **subapplication progress, questions, and improvements.**

- Coordinated** with other state agencies and FEMA colleagues to **leverage resources, align** with in-progress activities, and **ensure project success.**

- Reported progress** and **developed written deliverables** to Director and the executive team



Stakeholder Engagement

We practiced human-centered design to make recommendations based on realistic project methods, future-focused scientific understanding, and funding limitations.

I helped organize and facilitate a stakeholder engagement session for this project. We analyzed session data and used it to inform the project goals:

Engage with Strategic Partners:

At the workshop we learned that our state agency partners could help us find innovative, shovel-ready projects using past Requests for Proposals.

Identify Shovel-Ready Projects:

Managed Aquifer Recharge projects require significant planning, therefore we needed shovel-ready projects to meet federal funding deadlines.

Collaborate with FEMA:

FEMA colleagues played a critical role in supporting expansion of federal, state, and local understanding of policies. Our collaboration ensured strong project applications.

Measurable Value

Outcome	Project Objective	Above & Beyond Achievement
Expansion of Hazard Mitigation Project Types Eligible for FEMA HMGP	X	
\$80M in FEMA Projects for Climate Change Impact Mitigation Recommended	X	
Technical Assistance for 8 Innovative Mitigation Project Subapplicants	X	
4+ Partnerships with Subject Matter Experts: CA Department of Water Resources, CA Department of Agriculture, USGS CA Water Science Center, NOAA		X
Climate Change Expertise at Cal OES		X
Model Problem-Solving Process for Impactful Spending		X