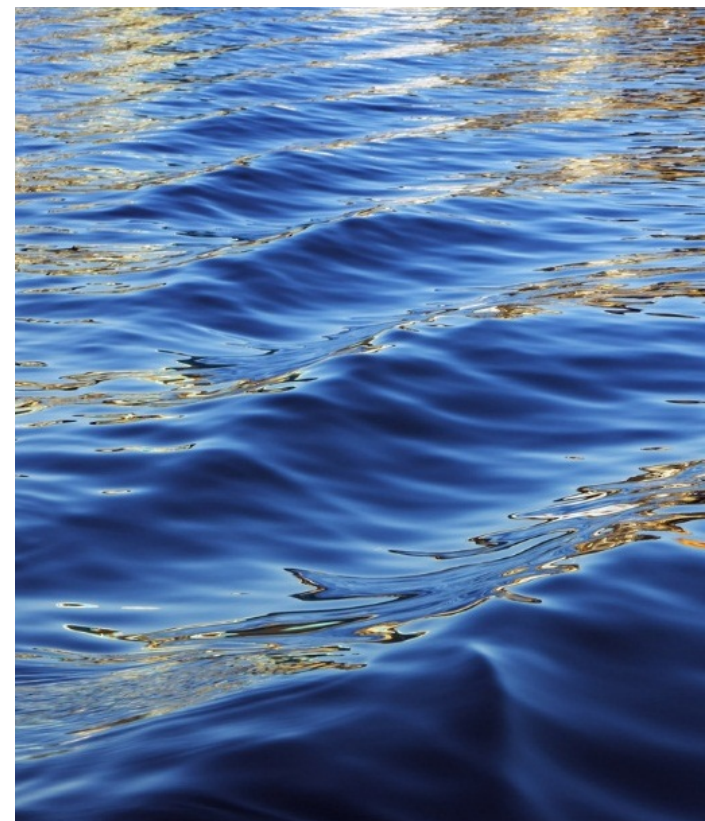




# Working Together on Shoreline Flood Risk

San Francisco District  
U.S. Army Corps of Engineers

Jessica Ludy (she/her) - Flood Risk Program Manager  
Alev Bilginsoy (she/her) - Planner



# Hello!



Jessica Ludy

- Grew up in Michigan, lived in Bay Area since 2007
- Motivated to work in flood risk management since 2005, Hurricane Katrina
- Call me at 415-503-6621



Alev Bilginsoy

- Grew up in Utah, lived in California since 2015
- Motivated by Jessica Ludy
- Call me at 801-864-4785



# Objectives for today

- **Introduce** Leadership Academy to SF District of the US Army Corps of Engineers
- **Learn** from you! Your priorities and concerns along the Oakland shoreline
- **Identify** opportunities for us to support Oakland in addressing your shoreline priorities



Image courtesy of San Francisco Estuary Institute



# Agenda

- US Army Corps of Engineers Mission and Work
- Technical Assistance to Communities
- Activity
- Share out and next steps



# Glossary of Terms

- **USACE:** U.S. Army Corps of Engineers
- **District:** San Francisco District, it's a geographic sub-group of the national organization
- **Partners:** city, state, federal agencies
- **Technical assistance:** ways that USACE can provide expertise or planning support to communities, often free of charge
- **Interagency project:** Project or study or plan that is completed by multiple agencies and organizations to achieve a common goal: this includes local, state agencies, and other federal agencies.
- **Flood Risk Management:** the practice of understanding
  - where and when floods can occur (including sea level rise)
  - how flooding can cause harm to our communities, environment, assets, and way of life
  - actions that people or organizations can take before, during, and after floods to reduce harm



# Handouts

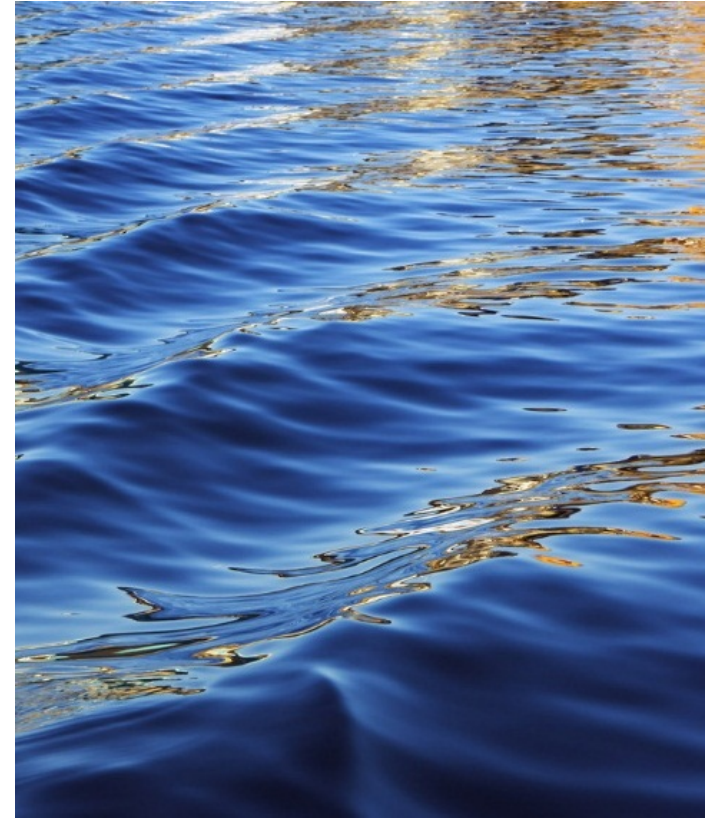
- Today's presentation slides
- Glossary of terms
- "How to create a project proposal" handout
- Proposal application (blank) and partner support forms
- Our contact information





# U.S. Army Corps of Engineers San Francisco District

Mission and Work



# Our Water Resources Missions

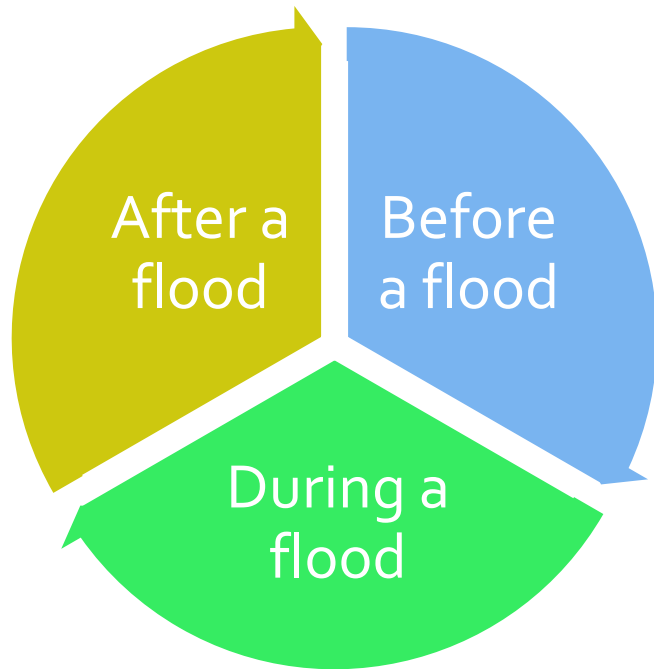
- **Flood Risk Management**
- **Navigation**
- **Ecosystem Restoration**
- **Engineering with Nature**
  
- Water Supply
- Water Quality
- Emergency Response
- Cultural Resource Protection





# Our Work

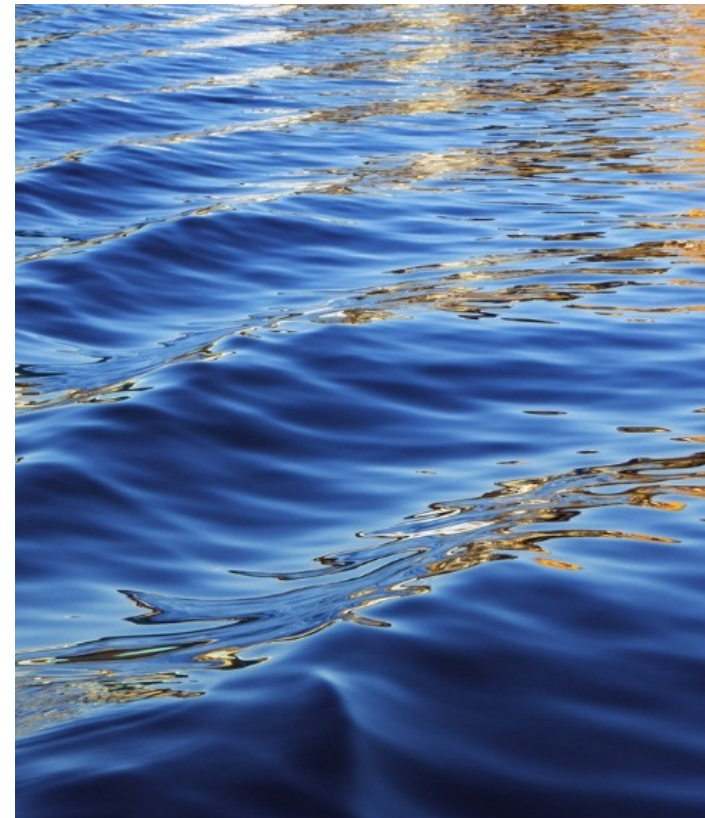
We partner with communities, tribes, the state agencies to help understand, **communicate**, and **manage flood and sea level rise risks**..





# Technical Assistance to Communities

Interagency projects for flood risk management



# Silver Jackets Program

- State-led collaboration with federal and local agencies and community members.
- Interagency projects:
  - Plans, tools, guides, partnerships, public engagement;
  - Multiple partners around a common objective;
  - **Reduce flood risk along shorelines, rivers, in urban areas, and other flood-prone landscapes;**
  - Defined by community priorities and needs.



CALIFORNIA DEPARTMENT OF  
**WATER RESOURCES**

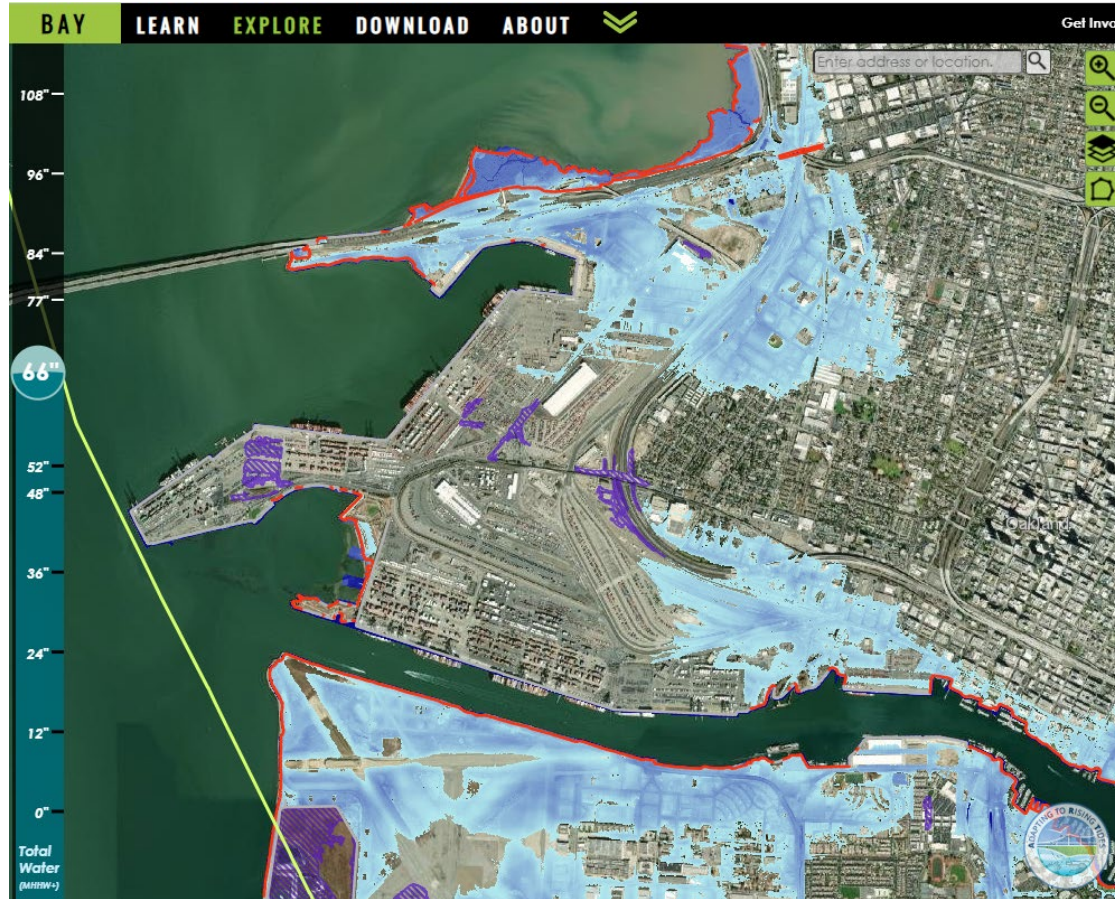


**FEMA**



Example of Interagency Projects:

## *Floodplain Mapping and Hazard Assessments*



- Understand possible sources of flooding in the community
- Use existing information on flooding and sea level rise to determine priority areas with most urgent needs.



Example of Interagency Projects:

## *Sea level rise & flood risk education and outreach*



Image: Oakland Equitable Climate Action Plan

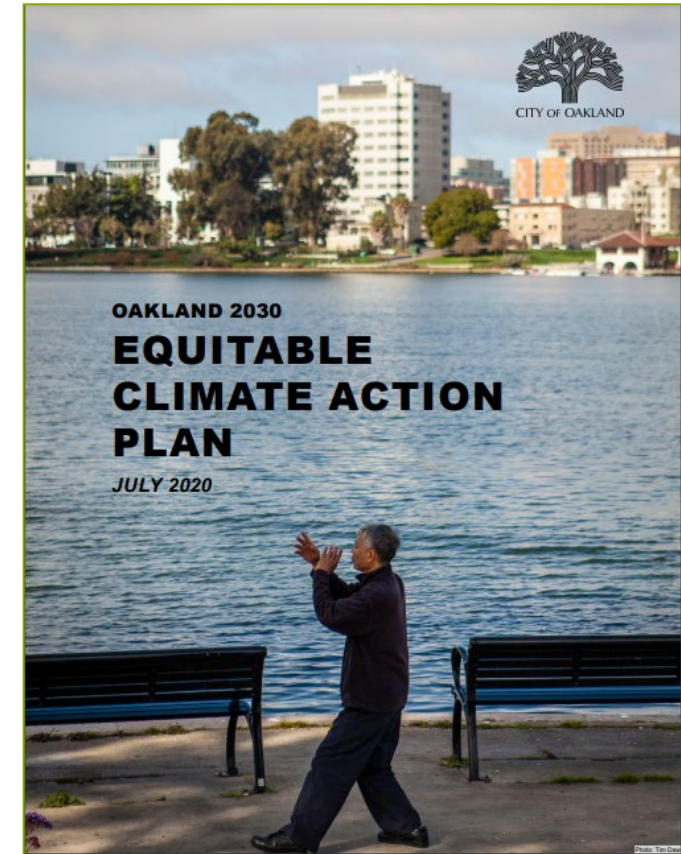
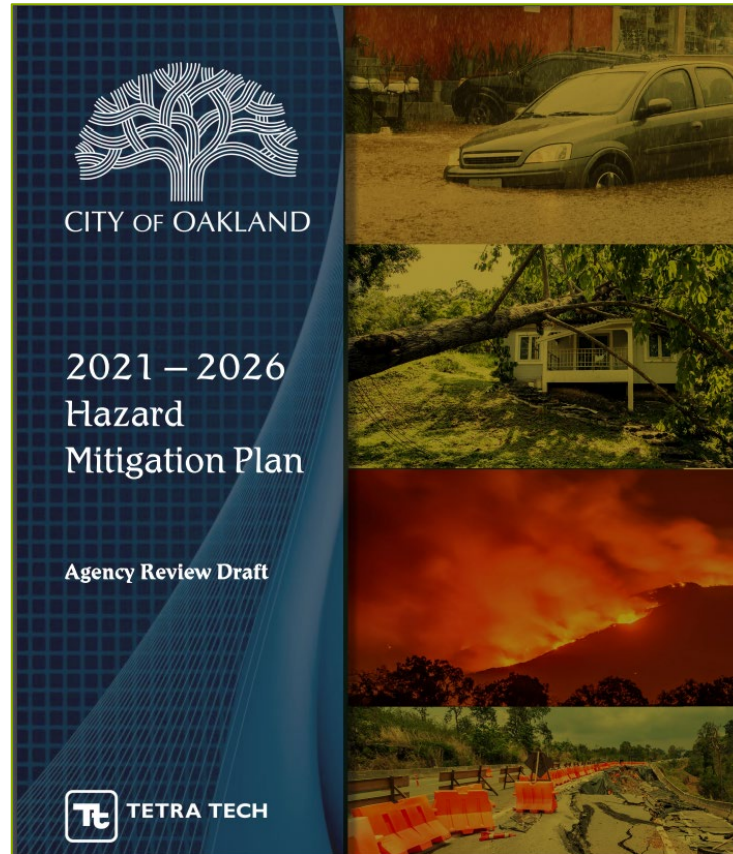
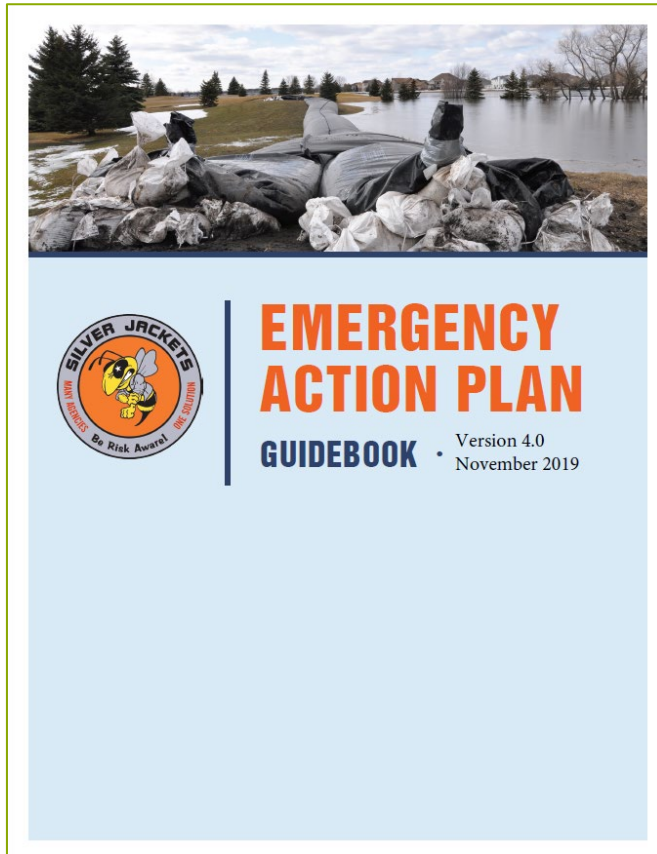
<https://cao-94612.s3.amazonaws.com/documents/Oakland-ECAP-07-24.pdf>

- Host flood outreach events, e.g. Flood Preparedness Day
- Hold training events for city, public works, shoreline management staff, community
- Host workshops or Table Top Exercises work through emergency response scenarios



Example of Interagency Projects

# *Emergency, hazard, and climate action planning*



# More Examples of Silver Jackets and Interagency Projects

## Technical Analysis and Planning

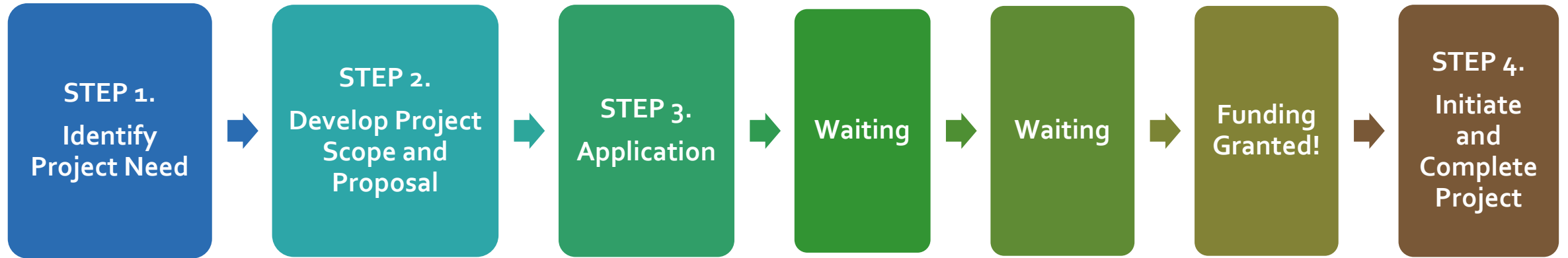
- Sea level rise **vulnerability assessments**
- Inventory of **flood-prone buildings or community** assets
- Nonstructural planning: **“floodproofing”**
- **Stormwater management** planning

## Outreach, training, and communication

- **Workshops:** green infrastructure, emergency response
- **Risk Communication** Activities
- Guides, pamphlets, **risk communication materials**

*For more examples, click here: <https://silverjackets.nfrmp.us/Resources/Interagency-Nonstructural-Efforts?page903=1&size903=12>*

# How it works...



Present – March 2022

March 2022

Aug 2022

Dec 2022 – Jun 2023



Detailed information on each step in your handout!





# How it works..

## You!

The local partners +  
community

Determine your primary concerns and  
project needs

Bring local partners (includes govt.)

Draft project letter of support

Guide project implementation, Participate  
in meetings, review draft documents,  
provide existing information, etc.

Provide a match in labor/time (no money  
is exchanged) between all project  
partners

## Us! San Francisco District

Work with you to identify a project  
idea for technical assistance.

Bring interagency partners

Develop a competitive project  
proposal

Complete the project with you  
within 12-18 months

Provide \$80,000-\$120,000 worth of  
labor



# What we love about Interagency Projects

- Collaborative and community-oriented
- USACE tools + local expertise
- Faster than other USACE projects
- Elevates local concerns
- Springboards future projects and funding
- Supports community initiatives
- Leads to implementation



Questions?



®



# Group activity

Brainstorm project needs and opportunities

Step 1.  
Identify Project  
Need

## Step 1. Identify Project Need

Local leaders with support from USACE SF District determine:

- the flood risk **challenges** to address
- the **opportunities** for improvement
- goals of a project
- project activities



Detailed information on Step 1 in [DOCUMENT NAME] in your handout!



# Challenges

## What flooding and shoreline concerns should we address?

- Have you ever seen or heard about flooding in Oakland?
- If yes, where did it occur? What happened?



# Resources we need

## What resources will be needed to take action?

- Local knowledge and expertise, support
- Technical expertise and knowledge
- Resources, funding, authority
- Political power
- Other partners?

Also consider...

**Is there anything you would want us to know about your community before and while we work with you?**



# Group 1: Challenges

Record ideas here...

# Group 2: Resources we need

Record ideas here..

# Next steps

- Interested in a potential project? Call us and we can talk about matching project needs identified today with USACE tools and expertise
- Interested in jobs at USACE or in water resources planning? Call us.

# Thank you!

Jessica Ludy (she/her)

Flood Risk Program Manager

415-503-6621

Jessica.J.Ludy@usace.army.mil

Alev Bilginsoy (she/her)

Planner

801-864-4785

Alev.Bilginsoy@usace.army.mil

