**PROBLEM**
- Current federal benefit-cost analysis (BCA) process may not comprehensively value economic, environment, and social benefits

**SOLUTION**
- Review current and historical BCA policies and practices
- Evaluate past BCA calculations and results
- Reevaluate BCA values with cutting-edge tools to quantify social and environmental benefits

**IMPACT**
- USACE and OMB leadership will have a more comprehensive tool to evaluate the full range of benefits when traditional engineering is combined with nature-based solutions
- Demonstrate how BCA values are applied and identify outcomes if environmental and social costs and benefits are included

Policy Research and Future Directions of Applying Engineering With Nature® in USACE Programs
APPLICATIONS
• USACE-led effort to implement internal BCA reviews that account for environmental and social costs and benefits of nature-based solutions
• Nationwide application for projects with nature-based components
• Collaboration with federal agencies around BCA analysis

STATUS
• Project underway March 2021
• First phase to review policies and procedures that inform current BCA underway
• Expected completion March 2022

BENEFITS
• Advancement of EWN ® Initiative
• Opportunity to provide comprehensive calculations of BCA to include environmental and social costs and benefits
• Improve efficiency of infrastructure projects
• Guidance on future application of BCA

WHAT'S NEXT
Work began in March 2021 with a final report to be delivered in early 2022. An Engineering With Nature® Technical Review Summit will be held in Washington, D.C. to promote collaboration with EWN’s many partners.