Engineer Pamphlet 1105-2-70 Aquatic Ecosystem Restoration Civil Works Mission and Evaluation Procedures

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Mississippi Valley Division

Planning Community of Practice Webinar Series 24 April 2025

Core Planning Policies and Guidance

CHAPTER 1: Introduction	CHAPTER 1: Introduction CHAPTER 2: Planning Principles CHAPTERS 3-10: Corps Civil Works Missions – Policies APPENDIX A: References	
CHAPTER 2: Planning Principles		
CHAPTER 3: Corps Civil Works Missions		
CHAPTER 4: Types of Studies, Reports & Procedures		
APPENDIX A: References	EP 1105-2-62	Planning Reports and Programs (Awaiting Publication)
APPENDIX B: Public Involvement & Coordination	EP 1105-2-57	Stakeholder Engagement, Collaboration, & Coordination (2019)
APPENDIX C: Environmental Evaluation & Compliance	EP 1105-2-60	Environmental Evaluation & Compliance (Final Draft at HQUSACE)
APPENDIX D: Economic & Social Considerations	EP 1105-2-59	Economic & Social Considerations (Final Draft at HQUSACE)
PENDIX E: Civil Works Missions & Evaluation Procedures	MULTIPLE EPs	Corps Civil Works Missions –
APPENDIX F: Continuing Authorities Program		Specific Procedures
APPENDIX G: Planning Reports & Programs	EP 1105-2-58	Continuing Authorities Program (2019)
APPENDIX H: Policy Compliance Review & Approval of Decision Documents	EP 1105-2-61	Feasibility & Post Authorization Study Proced & Report Processing Requirements (2023)

Screenshot: Planning Community Toolbox - https://planning.erdc.dren.mil/toolbox/index.cfm

Guidance Development Approach

- ECO-PCX assembled a writing team to identify content, information sources, and to prepare a detailed outline.
- Consolidate information from three primary source documents
 - ER 1105-2-100 Appendix E;
 - ER 1165-2-501 Civil Works Ecosystem Restoration Policy; and
 - EP 1165-2-502 Ecosystem Restoration Supporting Policy Information.
- A draft of the EP was created using the detailed outline. The draft was widely circulated for technical and policy reviews (field, HQ, and OASA). The writing team documented comments and comment resolution in a comment record.
- It took several years to complete the effort.

Overview of EP 1105-2-70

- Provides history of authorities and connected policies
- Shows the evolution and expansion of our Aquatic Ecosystem Restoration mission
- Outlines study procedures for planning ecosystem restoration projects in Civil Works
- Useful for developing strategies for planning these types of projects with our partners
- Updates over 25 years of Water Resources Development Acts and Federal policies relevant to the mission

Key Takeaways from the Guidance

- Levee setback policy.
 - Encourages flood plain restoration as part of ecosystem projects.
 - Notes Army policy is not to increase flood risks or decrease life safety w/o sufficient justification.
- Mitigation.
 - Projects implemented using ecosystem restoration authorities may not be used as wetland banks or mitigation credit for other entities.
 - Studies may consider joint ecosystem restoration and mitigation banking projects, as long as USACE's financial participation is limited to the ecosystem restoration element
- Voluntary waiver of excess LERRD credit.
 - Details sponsor opportunity to voluntarily waive reimbursement of LERRD costs exceeding 35%. These instances are rare.
 - Enables USACE to budget for construction. Sponsors can seek reimbursement through agreement with the ASA(CW).
- Contingent Valuation Methods are not to be used in these types of studies.

Notable Updates to the Guidance

Indigenous Knowledge

- As part of early Tribal consultation, there should be an initial discussion regarding the availability of Tribal information and knowledge.
- Identify and consider Indigenous Knowledge to improve study decision-making.
- It may inform all aspects of a study, including resource significance, species, habitats, cultural resources, traditional cultural places, water resources, and hydrology.

Federal Aviation Administration Coordination

- Initially identify airports within 10-miles of a project area
- Notify FAA and base commander and invite them to be cooperating agencies
- Projects within a 5-mile radius of an airport must document FAA and/or base coordination in study report

• Removed references to Reconnaissance Studies.

Ending Operation and Maintenance

Authority: Water Resources Development Act of 2007 (as amended)

Ten years after ecological success has been determined, the non-federal sponsor's responsibility to conduct O&M activities on **nonstructural and nonmechanical elements** of an ecosystem restoration project (or component of a project) will cease.

Definition: Nonstructural & Nonmechanical Elements

Management actions that are undertaken to achieve an outcome or a natural feature that is created to contribute to ecosystem restoration objectives.



Examples: planting native vegetation, removing or controlling invasive species; establishing oyster reefs or other living shorelines; placing dredged material to create marsh; dredging to reconnect channels & floodplains; or placement of large woody debris to create habitat & manage flow.



More Takeaways from the Guidance

• Glossary of terms.

- Standard definitions across planning documents.
- Consistent with other related laws and policies.
- Comprehensive reference list.
 - Establishes links to primary information sources.
 - Expedites more in-depth policy research.
- Coordinate with the Ecosystem Restoration Planning Center of Expertise on:
 - Model and metric selection, and
 - Monitoring and Adaptive Management Plans.

ECO-PCX Roles & Responsibilities: Support Civil Works AER Studies!





ECO-PCX Team Here to Help!



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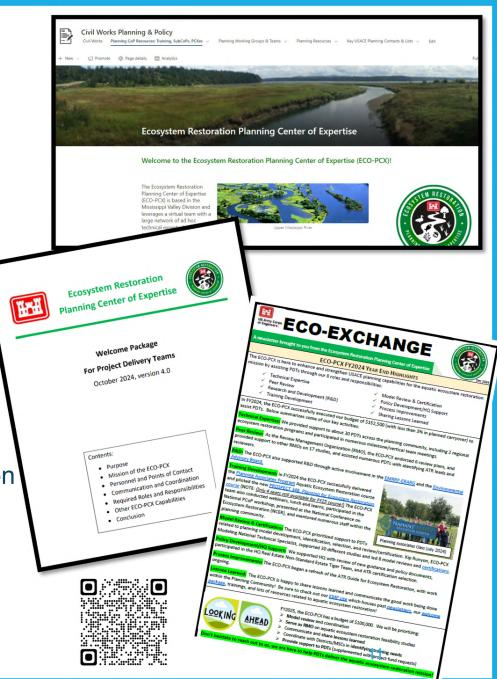
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Learn More!

- Want more training/discussion regarding EP-1105-2-70?
 - Contact Kat McCain
- Starting a new AER study?
 - Contact your Account Manager and/or Kat McCain
 - > Welcome Packet: <u>CLICK HERE</u>
- ECO-PCX KMP Site: <u>https://usace.dps.mil/sites/KMP-</u> PLAN/SitePages/Ecosystem-Restoration-PCX.aspx
 - Contact info for ECO-PCX Team
 - >Quick Links to Model Library and Model User Documentation
 - >Quick Links to relevant guidance and templates
 - Current and Past ECO-Exchange monthly newsletters
 - Recorded trainings
 - >And more!



Questions and Discussion

Look for the new guidance document on the Planning Community Toolbox. You can also find other guidance often used in aquatic ecosystem restoration studies.

HTTPS://WWW.PUBLICATIONS.USACE.ARMY.MIL/PORTALS/7 6/EP%201105-2-70%20-%20AQUATIC%20ECOSYSTEM%20RESTORATION%20CIVIL%2 0WORKS%20MISSION%20AND%20EVAL%20PROCEDURES%2 02025%2003%2028%20-%20FINAL.PDF

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