

**A TRAINING COURSE FOR
MITIGATION BANKING AND IN-LIEU FEE PROGRAM
INTERAGENCY REVIEW TEAMS**



**Reference Document:
Ecological Performance Standards**

A. Ecological Performance Standards

2008 Compensatory Mitigation for Losses of Aquatic Resources

§332.2 Definitions

Performance standards

§332.4 Planning and documentation

(c) Mitigation plan. [The mitigation plan must include:]

(9) Performance standards

§332.5 Ecological performance standards.

2003 Model Compensatory Mitigation Plan Checklist

- ☐ Performance Standards
 - Identify success criteria
 - Compare functions lost and gained at impact and mitigation sites
 - Describe soils, vegetation and hydrology parameter changes

5. Performance Standards

- a. Identify clear, precise, quantifiable parameters that can be used to evaluate the status of desired functions. These may include hydrological, vegetative, faunal and soil measures.(e.g., plant richness, percent exotic/invasive species, water inundation/saturation levels). Describe how performance standards will be used to verify that objectives identified in and 3(c) have been attained.
- b. Set target values or ranges for the parameters identified. Ideally, these targets should be mimic the trends and eventually approximate the values of a reference wetland(s).

B. District Examples of Ecological Performance Standards

Memphis, Kansas City, St Louis, Little Rock, and Rock Island Districts, U.S. Army Corps of Engineers. “Missouri Stream Mitigation Method” February 2007.

Mobile District, U.S. Army Corps of Engineers. 2012 Stream Mitigation SOP and Guidelines (Includes stream mitigation credit release schedules in Appendix E)

Norfolk District, U.S. Army Corps of Engineers. Norfolk District, U.S. Army Corps of Engineers and Virginia Department of Environmental Quality, et. al. February 2010. “Draft Mitigation Bank Instrument Template.”

Savannah District, U.S. Army Corps of Engineers. Appendix 10 Mitigation Metrics and Performance Standards in Savannah District Mitigation Bank Guidelines Jan 2011

Wilmington District, U.S. Army Corps of Engineers. “Success Criteria stated in pages 23-25 of North Carolina Stream Mitigation Guidelines. 2003.

ADDITIONAL RESOURCES:

Martin, Steven, Robert Brumbaugh, and Palmer Hough. March-April 2005. “Conceptualizing Mitigation Performance Standards.” *National Wetlands Newsletter*. Washington, DC: Environmental Law Institute.

Nevel, Bonnie, Joan Milam, Gwen Arnold, and Rachel Harris. April 2004. *Measuring Mitigation: A Review of the Science for Compensatory Mitigation Performance Standards*. Washington, DC: Environmental Law Institute.

Washington State Department of Transportation. April 2008. “Writing Performance Measures and Performance Standards for Wetland Mitigation”.

Washington State Department of Transportation. April 2008. “Woody Vegetation Performance Criteria for Wetland Mitigation Sites in Washington”.

Ossinger, Mary. 1999. Success Standards for Wetland Mitigation Projects – a Guideline. WSDOT. Environmental Affairs Office.