

**Objectives and Test Questions for the Presentation by Anthony Z. on
“Ecological Considerations in Wetland Mitigation Planning and Monitoring”**

Objective #1 – Understand what some of the key issues and challenges are for wetland mitigation depending on your approach.

Objective #2 – Understand the ecological considerations that are key for mitigation monitoring and selection of performance metrics.

Objective #3 – Learn about factors that influence wetland plant communities.

Five test questions

1. What are some key issues and challenges for compensatory mitigation when using wetland creation? (select all that apply)
 - A. Starting from scratch ecologically.
 - B. High risk of failure/poor performance.
 - C. Selection of suitable sites.
 - D. Long-term liability.
 - E. Costs/financial assurances.

Answer: *All of the above*

2. What are some key issues and challenges for compensatory mitigation when using wetland enhancement? (select all that apply)
 - A. Need to manipulate physical, chemical, or biological characteristics.
 - B. Can be challenging to heighten, intensify, or improve a specific aquatic resource function.
 - C. Credits are not available for enhancement so need to secure outside funding sources.
 - D. May gain a selected aquatic resource function but may also lead to a decline in another function(s) / value(s).
 - E. Need to restore natural processes.

Answer: *A, B and D*

3. Which of the below may be mitigation planning and monitoring pitfalls? (select all that apply)
 - A. Planting mortality.
 - B. Changing hydrologic conditions.
 - C. Inappropriate design for site conditions.
 - D. Incorrect depth, duration, timing for sustaining hydrology.
 - E. Sedimentation & erosion control.

Answer: *All of the above*

4. Which of the following are ecological considerations for mitigation monitoring and selection of performance standards? (select all that apply)

- A. Role/importance of special habitat attributes.
- B. Role of abiotic v. biotic factors.
- C. Use of non-native vs. native genotypes.
- D. Role of wetland methane release during construction.
- E. Role of symbiosis in community development.

Answer: A, B, C and E

5. Which of the below were listed as empirical factors that influence wetland plant communities?
(select all that apply)

- A. Hydrology.
- B. Seasonality.
- C. Soil texture.
- D. Salinity.
- E. Distribution.

Answer: A, C and D