

**Objectives and Test Questions for the Presentation by Mike R. on
“Red Flag” Review for Hydrology and Soils in Palustrine Systems”**

Objective #1 – Learn important questions a plan reviewer should ask the plan designer.

Objective #2 – Understand the key information to look for in a hydrograph.

Objective #3 – Understand water budget modeling approaches and limitations.

Five test questions

1. What is the major determinate of the kind of wetland you restore or create? (select all that apply)
 - A. Soil type.
 - B. Presence of invasive species.
 - C. Adjacent land uses.
 - D. Hydrology.
 - E. Evapotranspiration rates.

Answer: D

2. What information should you find or provide in a hydrograph? (select all the apply)
 - A. Minimum water level.
 - B. Maximum water level.
 - C. Duration.
 - D. Timing/seasonality.
 - E. Salinity.

Answer: A, B, C and D

3. Which of the following are considered water budget inputs? (select all that apply)
 - A. Net potential storage.
 - B. Precipitation.
 - C. Surface-water input.
 - D. Overflow bank.
 - E. Groundwater input.

Answer: B, C, D and E

4. Which of the following are considered water budget outputs? (select all that apply)
 - A. Evapotranspiration.
 - B. Surface-water output.
 - C. Overflow bank.
 - D. Ground-water output.
 - E. Net potential storage.

Answer: A, B, D and E

5. What are some tools available in support of estimating groundwater output? (select all that apply)
- A. The NRCS soil texture/bulk density triangles.
 - B. Large, sealed, double ring infiltrometer.
 - C. Best professional judgement.
 - D. Single ring infiltrometer.
 - E. Precision permeameter.

Answer: All of the above.