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 that 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.