Activity 1

At this time, complete Activity 1 in your Study Guide for review of material you have just covered. When you have finished, compare your answers with the solution provided. When you are sure you understand the material, continue with the Study Guide test.

Activity 1

List six NRCS reference documents associated with watershed studies and storm reports, and tell what offices they might be found in.

1. 
2. 
3. 
4. 
5. 
6. 

Activity 2

At this time complete Activity 2 in your Study Guide to review the material you just covered. After finishing the Activity, compare your answers with the solution provided. When you are satisfied that you understand the material, continue with the Study Guide text.

Activity 2

1. List three methods of obtaining hydraulic and hydrologic surveys.
   a. 
   b. 
   c. 

2. List five types of topographic data needed to adequately analyze the hydraulics of a watershed.
   a. 
   b. 
   c. 
   d. 
   e. 
3. List seven watershed characteristics that data will be needed for in order to perform an adequate hydrologic analysis of a watershed.

   a.

   b.

   c.

   d.

   e.

   f.

   g.

   h.

4. List ten sources of hydraulic and hydrologic data.

   a.

   b.

   c.

   d.

   e.

   f.

   g.

   h.

   i.

   j.
Activity 3

At this time, complete Activity 3 in your Study Guide to review the material just covered. When you have finished, compare your answers with the solution provided. When you are sure you understand the material, continue with the Study Guide text.

1. Name the two basic categories of storm reports.
   a. 
   b. 

2. list 11 items to be considered in making general flood studies.
   a. 
   b. 
   c. 
   d. 
   e. 
   f. 
   g. 
   h. 
   i. 
   j. 
   k. 

3. list 21 items to be considered in making performance studies.
   a. 
   b. 
   c. 
   d. 
   e. 
1. Match the following NRCS documents with their description:

   - National Planning Manual Provides technical information on site specific engineering practices
   - National Engineering ____ Sets forth policies for PL-83 Handbook 566 and PL-78-534 watersheds
   - National Engineering Manual Establishes official names, definitions, standards and specifications for soil and water conservation practices
   - Engineering Field Manual ____ Provides guidance in the use of engineering principles, techniques and procedures for the planning, design, installation, and maintenance of soil and water conservation practices
   - National Handbook of Provides current NRCS planning Conservation Practices policy
   - Technical Releases Presents information on the application of engineering principles

2. What branch of science deals with the occurrence and behavior of water in the atmosphere, on the earth's surface, and below its surface?

3. What method of obtaining hydraulic and hydrologic surveys would engineering surveys be most typically associated with?

4. What NRCS document sets forth policy for non-NRCS engineering services?

5. A farmer keeps rainfall records for a rain gage on his farm in a notebook. Is this a database?

6. Match the following statements with the type of survey they are associated with:

   a. Basically topographic in ____ Hydraulic Surveys nature and consists mainly of engineering surveys
   b. Concerned with the basic ____ Hydrologic Surveys watershed characteristics other than topography
7. What is the main end product from a hydrologic study?

8. What type of data would you think the following organization might be able to supply you with?

National Weather Service
United States Geological Survey

1. Describe a major storm event.

2. Match the following statement with the type of storm report it is associated with.

- Documents how NRCS General flood study installed structures operate during major storm events
- Documents the effects of Performance studies major storm events on private and public properties.

11. What three situations require a performance study to be made?

a. 

b. 

c.