

ES322 Geomorphology – Class Assignment
Key Word Search on Rivers

Due Nov. 10, 2009

Using internet, text, and other class resources, provide a brief definition or description of the following terms, with a sketch, equation or cut-n-paste photo where required.

- I. Fluvial Process Terminology
 - a. Drainage Basin (provide sketch)
 - b. Drainage Divide
 - c. Runoff (provide sketch)
 - d. Infiltration
 - e. Overland flow
 - f. Base flow
 - g. Flood hydrograph (provide sketch)
 - h. Recurrence interval
 - i. Strahler Stream Order (provide sketch)
 - j. Drainage density (provide equation)
 - k. Channel gradient (provide equation)
 - l. Hydraulic radius (provide equation)
 - m. Discharge (provide equation)
 - n. Suspended load (provide sketch)
 - o. Bedload (provide sketch)
 - p. Dissolved load (provide sketch)
 - q. Sediment yield
 - r. Laminar flow (provide sketch)
 - s. Turbulent flow (provide sketch)
 - t. Mannings Equation (provide equation)
 - u. Stream power (provide equation)
 - v. Abrasion
 - w. Denudation
 - x. Aggradation
 - y. Helicoidal flow (provide sketch)
 - z. Meandering channel (provide photo)
 - aa. Vertical accretion
 - bb. Braided channel (provide photo)
- II. Fluvial Landforms Terminology
 - a. Floodplain (provide photo)
 - b. Levee (provide photo)
 - c. River terrace (provide photo)
 - d. Strath terrace (provide sketch)
 - e. Fill terrace (provide sketch)
 - f. Alluvial fan (provide photo)
 - g. Pediment (provide photo)
 - h. Delta (provide photo)
 - i. Birdfoot delta (provide photo)