

Classes 4,5 – Channel conveyance

Reading: HEC-22 pages 5-1 to 5-8.

- a. Energy and momentum equations.
- b. Flow criticality and conjugate depths.
- c. Hydraulic radius, wetted perimeter.
- d. Manning's equation, Manning's n .
- e. Controls and backwater calculations.
- f. Homework – design a channel to convey the flood from the previous homework.
Mind freeboard.