## **Riverbank Engineering**

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### Objectives

Brief overview of River Engineering with focus on :

- 1. River Equilibrium;
- 2. Riverbed Degradation
- 3. River Dynamics
- 4. River Engineering
- 5. Computer Modeling







































































## Timber Pile Revetment





























































































#### Case 7: Inception of Meandering Channel

This laboratory experiment was conducted in WES-USAE (Friedkin, 1945). The discharge is *1.416 l/s*, and the initial cross section is trapezoidal with a top width of *25.96cm* and a bottom width of *17.37cm*. The mean sediment size is *0.45* mm



























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