

Assessment and Design Overview

Independent Variables

(Assessment)

- Physical Site Constraints
- Existing Floodplain Dimensions
- Confinement
- Floodplain Connectivity
 - Entrenchment
 - Incision
- Channel Evolution
- Flow
- Stream Power ($\Omega = \gamma QS$)
- Sediment and Large Wood

Increasing complexity and variables that may drop out of basic assessment during quick emergency repairs.

Dependent Variables

(Design)

- Channel Profile and Dimensions
- Channel Bed Forms
- Channel Pattern and Dynamics
- Floodplain Width and Elevation
- Stabilization Measures
- Excavation or Fill Volume