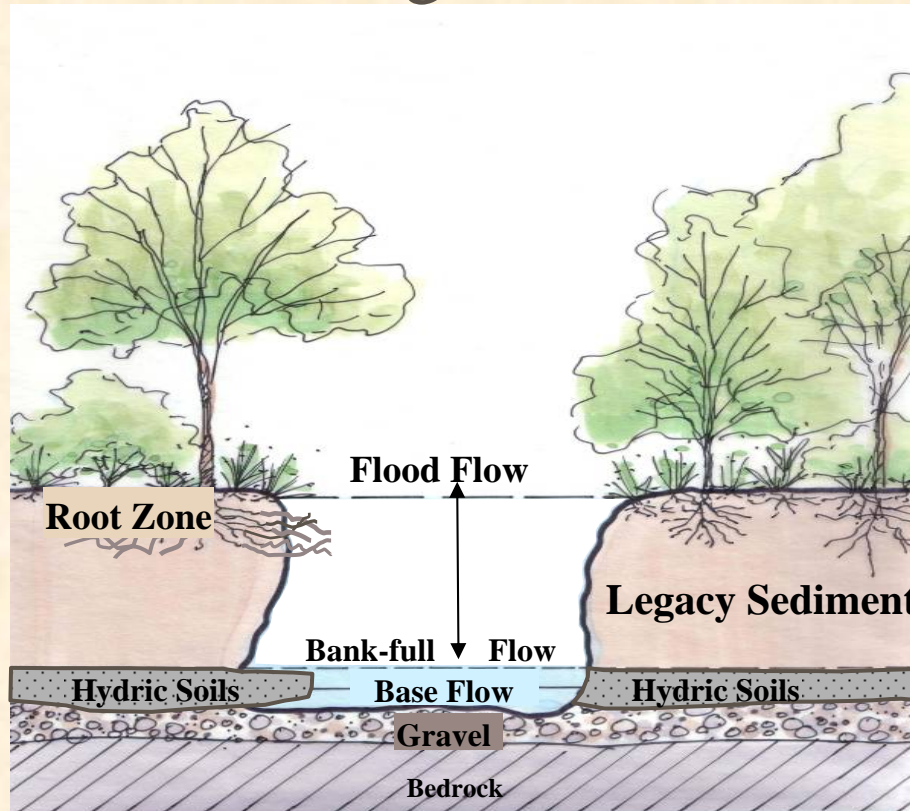
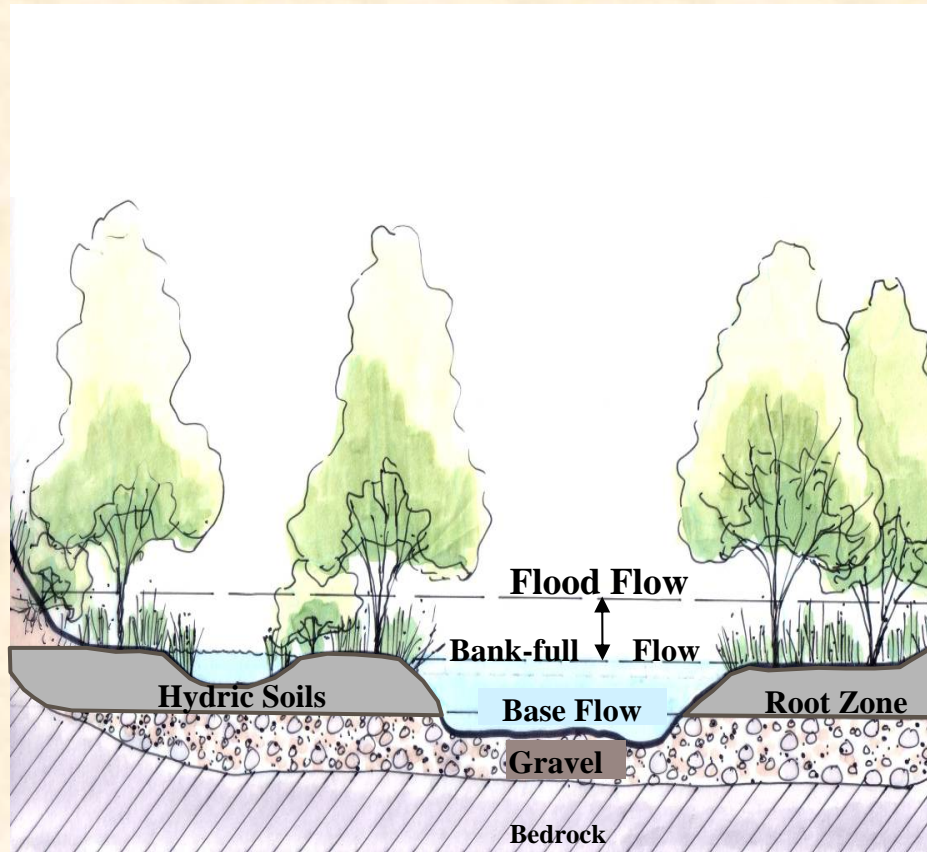


Existing Condition



- **The Existing Condition formed rapidly as a result of widespread upland soil erosion and storage in valley bottoms of the Mid-Atlantic Region**
- **The depth of legacy sediment stored in valley bottoms predominantly was established by the height of ubiquitous dams**
- **Streambank erosion of legacy sediment represents a significant sediment and nutrient source in some watersheds where channels are incised**
- **High quality, naturally formed, and indigenous aquatic resources are buried under legacy sediment and impaired in our modern environment**


Natural Condition

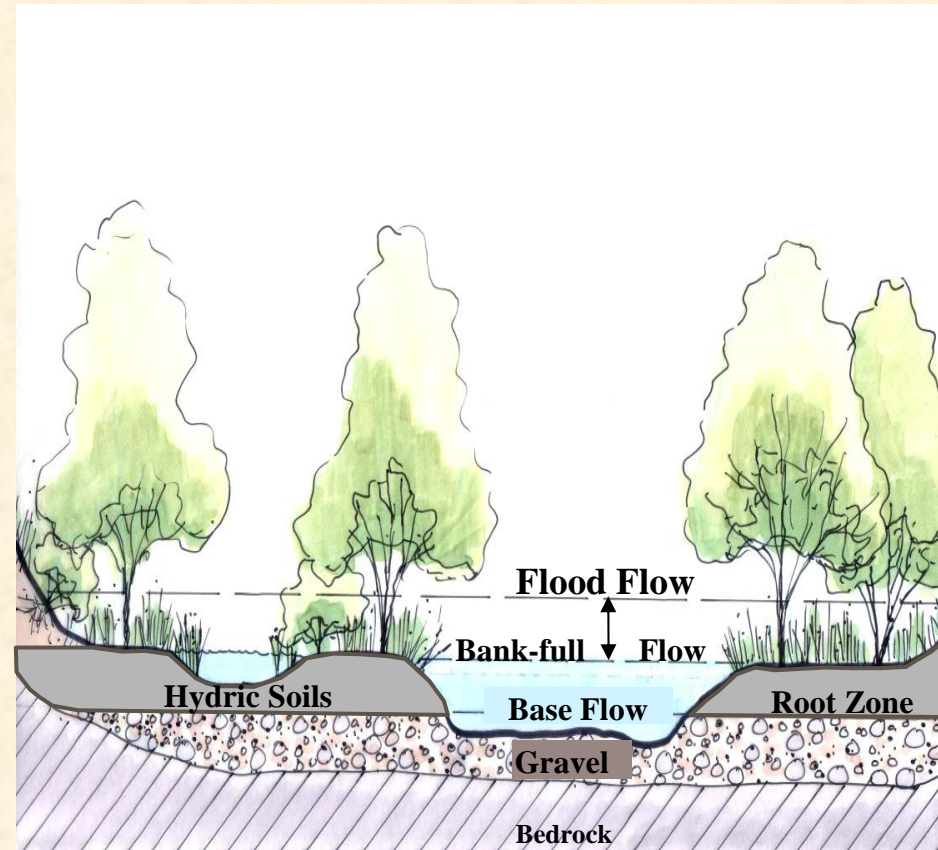
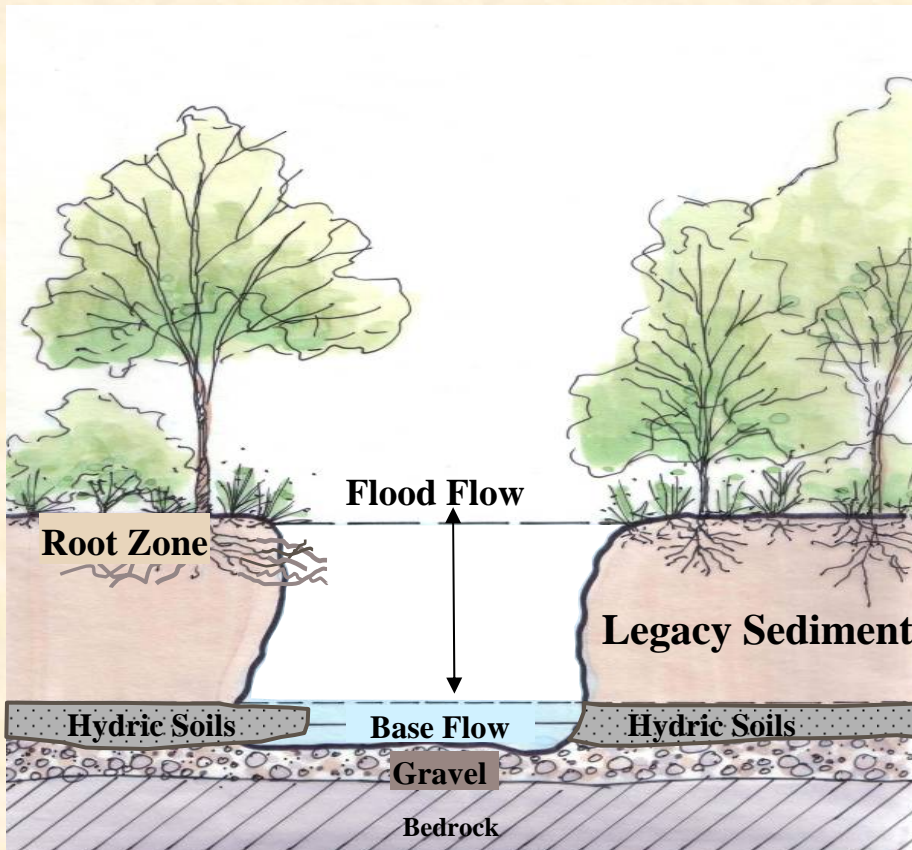


- **The Natural Condition formed under long-term geologic and climatic processes and represents truly indigenous aquatic resources in the Mid-Atlantic Region**
- **The indigenous aquatic resources are natural and stable ecosystems that function as nutrient and sediment sinks**
- **The Natural Condition represents the best future condition and restoration goal, and is considered to be a reference condition**

Floodplain and Riparian Wetland Restoration BMP

Conceptual Design

Existing Condition  Proposed Restoration



 Natural Condition

Floodplain and Riparian Wetland Restoration BMP

- The BMP is an ecological restoration and management strategy in accordance with USEPA's Principles for the Ecological Restoration of Aquatic Resources (2000).
- Restoration and management actions are proposed to re-establish natural stream, wetland, floodplain and riparian condition and function.
- Implementing the practice will target legacy sediment.
- Monitoring at future implementation sites is necessary to quantify and document the BMP benefits.
- Understanding and recognizing the role that legacy sediment plays in modern environmental conditions and impairments will improve aquatic resource restoration strategies in the Mid-Atlantic Region.