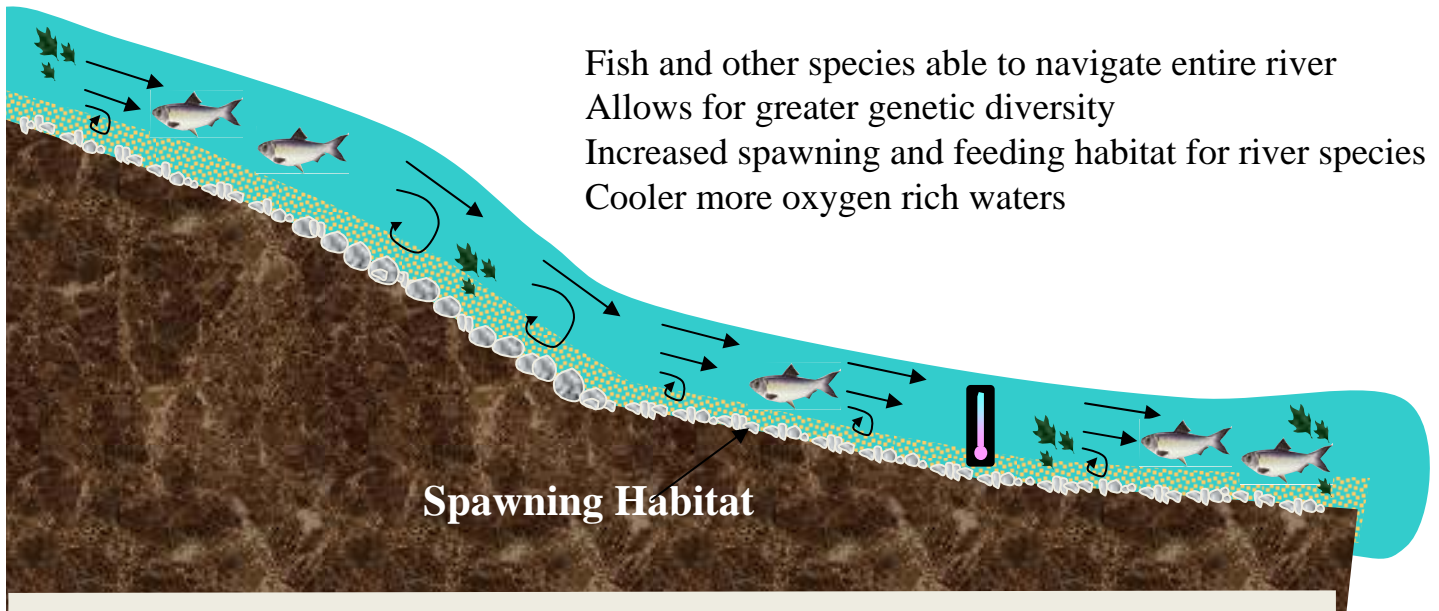


# Impacts of Dams on River Systems

## Free Flowing River

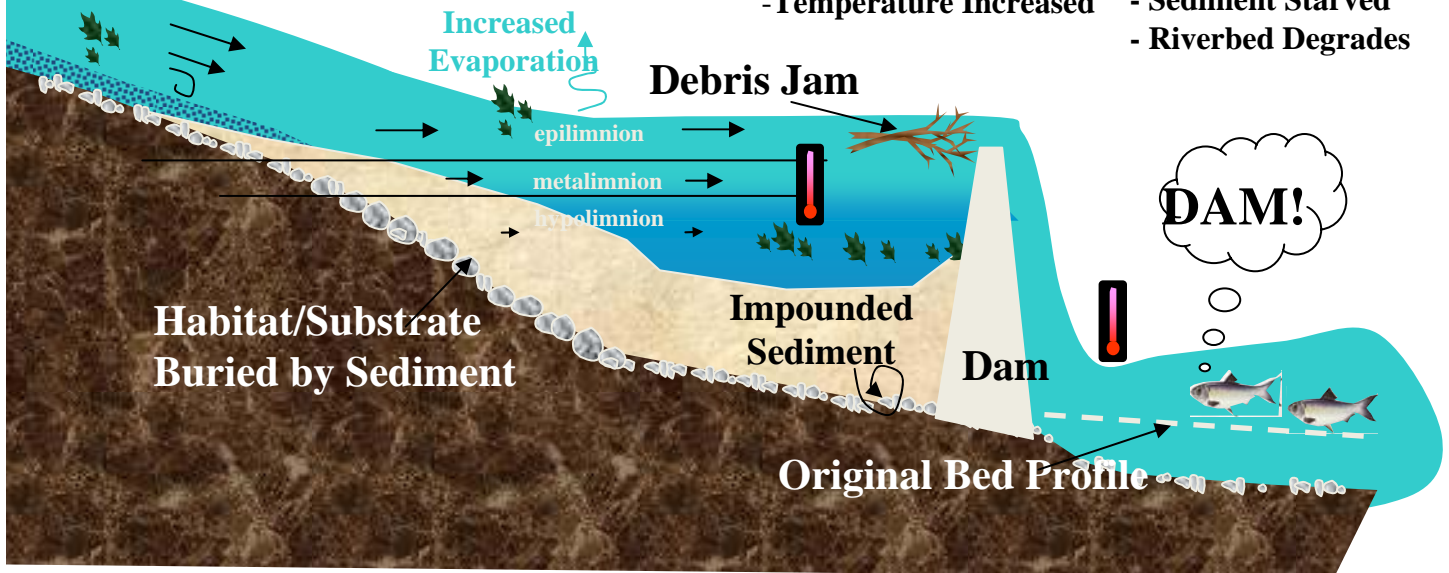


### Reservoir

- Decreased Water Quality (decreased circulation)
- Pollutants Accumulate (concentrate)
- Increased Temperatures
- Oxygen Depletion (may become anoxic)
- Reservoir Stratifies (loss of turbulent flow)

### Downstream

- Water Quality is Reduced
- Altered Flow Regime
- Traps Sediment
- Blocks Fish Passage
- Temperature Increased
- Traps Debris
- Blocks Transport
- Algae Blooms
- Nutrient Starved
- Sediment Starved
- Riverbed Degrades



## Dammed (Impounded) River