

Tarkio Stream Fish Ladder

CFD Analysis

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Outline

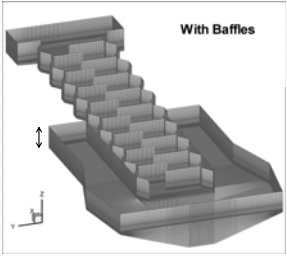
- Background/Existing Data
- CFD Simulation – two cases
- Results – Analysis and Validation
- Further Research and Improvements

Background

- Fish ladders are a common hydraulic structure used to create flow conditions suitable for fish passage
- Often built to allow passage through or around man-made structures
- Designed to achieve desirable hydraulic conditions for indigenous fish
- Several different designs, dependent on several factors




Mesh-with Baffles



Results-With Baffles

