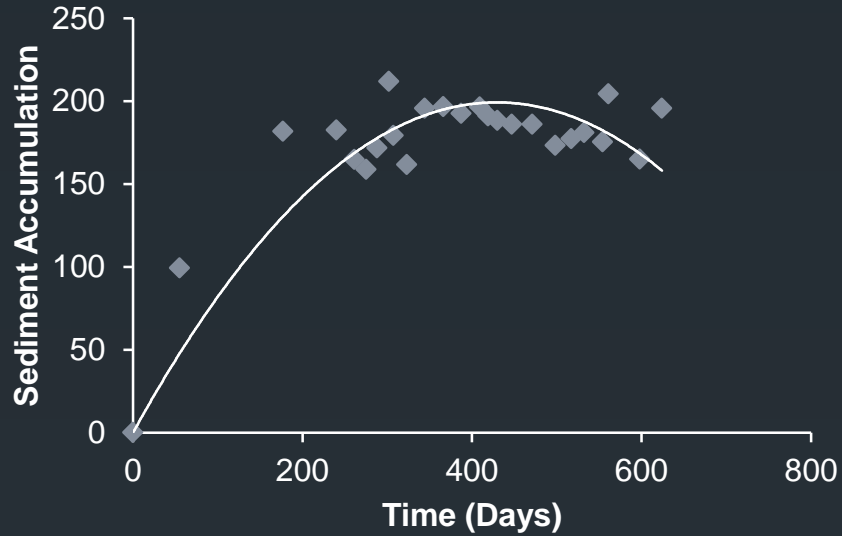


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Edge-of-field Practice – Slotted Pipe and Pad

Pad and Pipe = conveyance structure, reduces headcutting
Slotted Pipe = slows water EOF, collects sediment and P

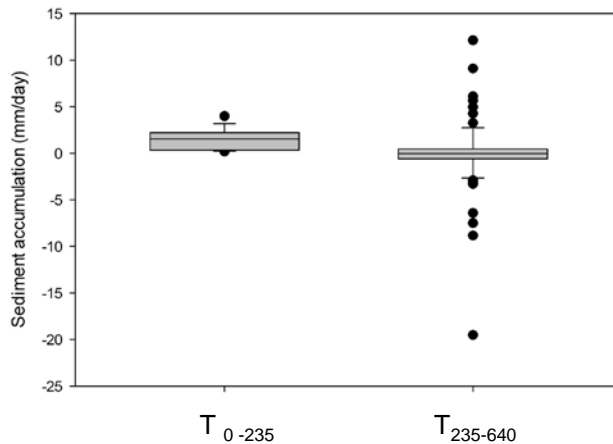


Median $T_{0-235} = 1.550$ mm/day

Median $T_{235-634} = -0.0357$ mm/day

Sediment Volumes: 3.88 and 11.5 m³

Total P loads: 3.32 to 18.86 kg TP

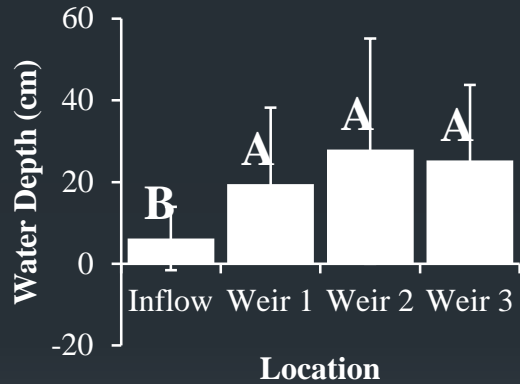
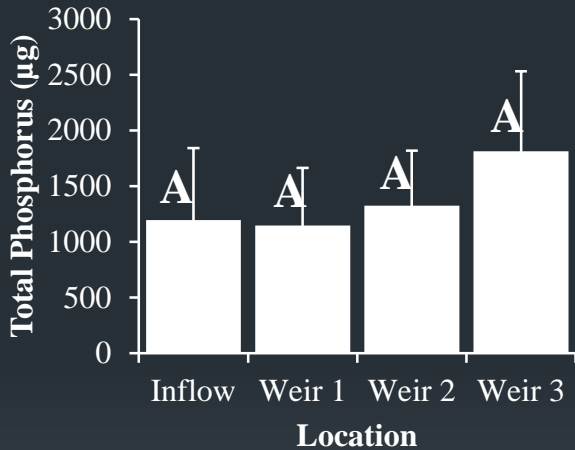
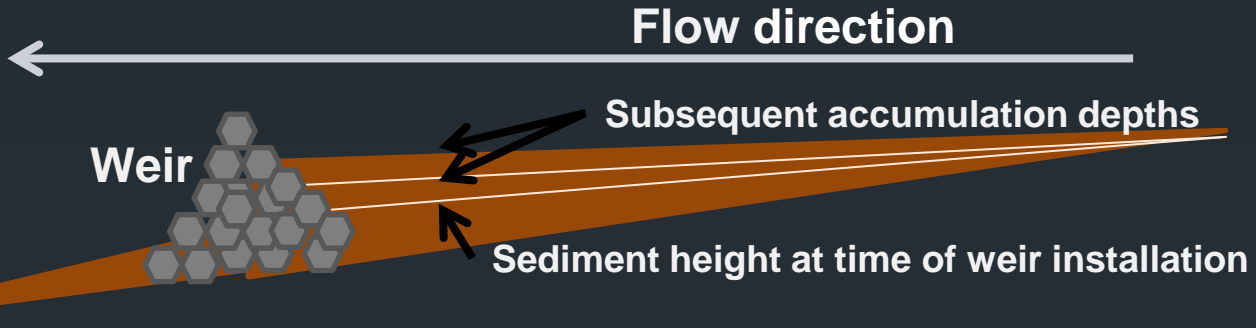


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Low-Grade Weirs and 2-Stage Ditch



Low-Grade = Low in technology, low in profile, and low in cost



July – September 2010
Pre-Implementation

July – September 2011
Post Implementation

Nitrate 0.15 mg/L

0.03 mg/L

TSS 83.3 mg/L

59.4 mg/L

TIP 0.30 mg/L

0.22 mg/L