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 m$^3$
Total P loads: 3.32 to 18.86 kg TP
Low-Grade Weirs and 2-Stage Ditch

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

Flow direction

Subsequent accumulation depths

Sediment height at time of weir installation

July – September 2010
Pre-Implementation
Nitrate 0.15 mg/L
TSS 83.3 mg/L
TIP 0.30 mg/L

July – September 2011
Post Implementation
Nitrate 0.03 mg/L
TSS 59.4 mg/L
TIP 0.22 mg/L