

Dane County Falk Wells Wildlife Area

Falk Wells WA Boundary

Stream Thalweg

In-Stream Practices

Vortex Weir (1b, 1d)

Rock or Log Deflector (1a, 1c, 1e)

Log sills/Natural Fill (1a, 1c, 1e, 2a)

Brush Bundle (1a, 1e, 2a)

Random Boulder Placement (1b, 1c, 1d)

Backwater hook (1e, 2c, 2d)

Root Wad (1a, 1c, 1e)

Cross channel log (1b, 1d)

Bank Shaping & Tree Removal (1f)

Rip Rap/Bank & Tree Protection (1f)

Floodplain/Wetland Features

Backwater Pool Excavation

Oxbow Excavation

Prairie/Grassland Restoration

NOTE: All in-stream practices will be placed at or below OHWM (estimated to be at 903.5) and be done according to NRCS standards or DNR trout habitat standards.

Goals	Objectives
1. Improve in-stream habitat and stream morphology for trout populations.	<div>a. Create sinuosity and a more natural bank profile within the existing stream channel</div> <div>b. Improve diversity of stream bed (i.e. create scour pools, gravel beds, etc.)</div> <div>c. Create shelter and resting areas</div> <div>d. Reduce water temperature and improve dissolved oxygen</div> <div>e. Incorporate woody debris and other features to provide habitat for benthic organisms (i.e. crayfish, macroinvertebrates, etc.) that trout feed on.</div> <div>f. Reduce erosion and nutrient loading</div>
2. Improve in-stream and floodplain zone for non-game wildlife	<div>a. Incorporate large wood and brush for basking, burrowing, and foraging</div> <div>b. Connect and restore old oxbows to support invertebrates, tadpoles, frogs, turtles, etc.</div> <div>c. Create backwater refuge areas</div> <div>d. Improve habitat for wetland species</div> <div>e. Reduce erosion and nutrient loading</div>
3. Restore/improve floodplain connectivity?	

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Feet

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PRIVATE LAND
Bruce Company Nursery

Map created 1/20/2016 by DCP
File path: C:\Users\jgibson\Documents\FalkWellsSugarRiver\MapStreamImprovement\FalkWellsSugar_NurseryFinalMap.mxd