

Coldwater Heritage Partnership Final Report

FARNER PROJECT, YELLOW BREECHES CREEK

Cumberland County



Prepared by:
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November 3, 2014

Project Summary

The Cumberland Valley Chapter of Trout Unlimited (CVTU), in partnership with the Pennsylvania Fish and Boat Commission (PFBC), Gleim Environmental Group, and Trout Unlimited National (TU), successfully improved 300 linear feet of fish habitat on Yellow Breeches Creek by installing 5 habitat and streambank protection devices, several randomly placed boulders, and 17 potted shrubs. The landowner committed, through a formal agreement with PFBC, to allow the public to fish on his property.

Total Cost

\$11,221.83 (including local contributions).

Did Project Turn Out Differently Than Originally Intended?

The project turned out differently than originally intended. Instead of installing one 150-foot mudsill crib, 5 separate log and rock structures (two stone deflectors, one multi-log deflector, one log faced stone deflector, and one bank cover crib) were installed (see attached). Costs were the same and the benefits are likely greater—more habitat has been improved and more streambank has been protected.

Also, rather than installing 50 live stakes, CVTU volunteers planted 17 potted shrubs donated by the Donegal Chapter of TU. The Donegal Chapter was relocating their nursery and needed to off-load their plants as soon as possible.

Is Project Complete?

Yes. The project officially wrapped up after shrubs were planted on October 17, 2014.

Detail your project monitoring plans, next phase or future projects.

CVTU volunteers will inspect the project annually and report on the condition of newly-installed structures to PFBC. TU National completed one cross-section at station 2+40, near the downstream-most structure. TU will repeat this cross section during the winter to measure changes in stream channel profile. CVTU and TU are beginning to plan future projects in the watershed and will use the Farner project as a demonstration site for other interested landowners.

Project Operation and Maintenance Plans

CVTU volunteers will inspect the project annually and report on the condition of newly-installed structures to PFBC.

Partners Involved in the Project

Partners included CVTU, PFBC (Stream Habitat Section), TU National, the Donegal Chapter of TU, and the landowner. Initial contact was made with the landowner through a joint outreach project by TU, the Chesapeake Bay Foundation, and The Nature Conservancy.

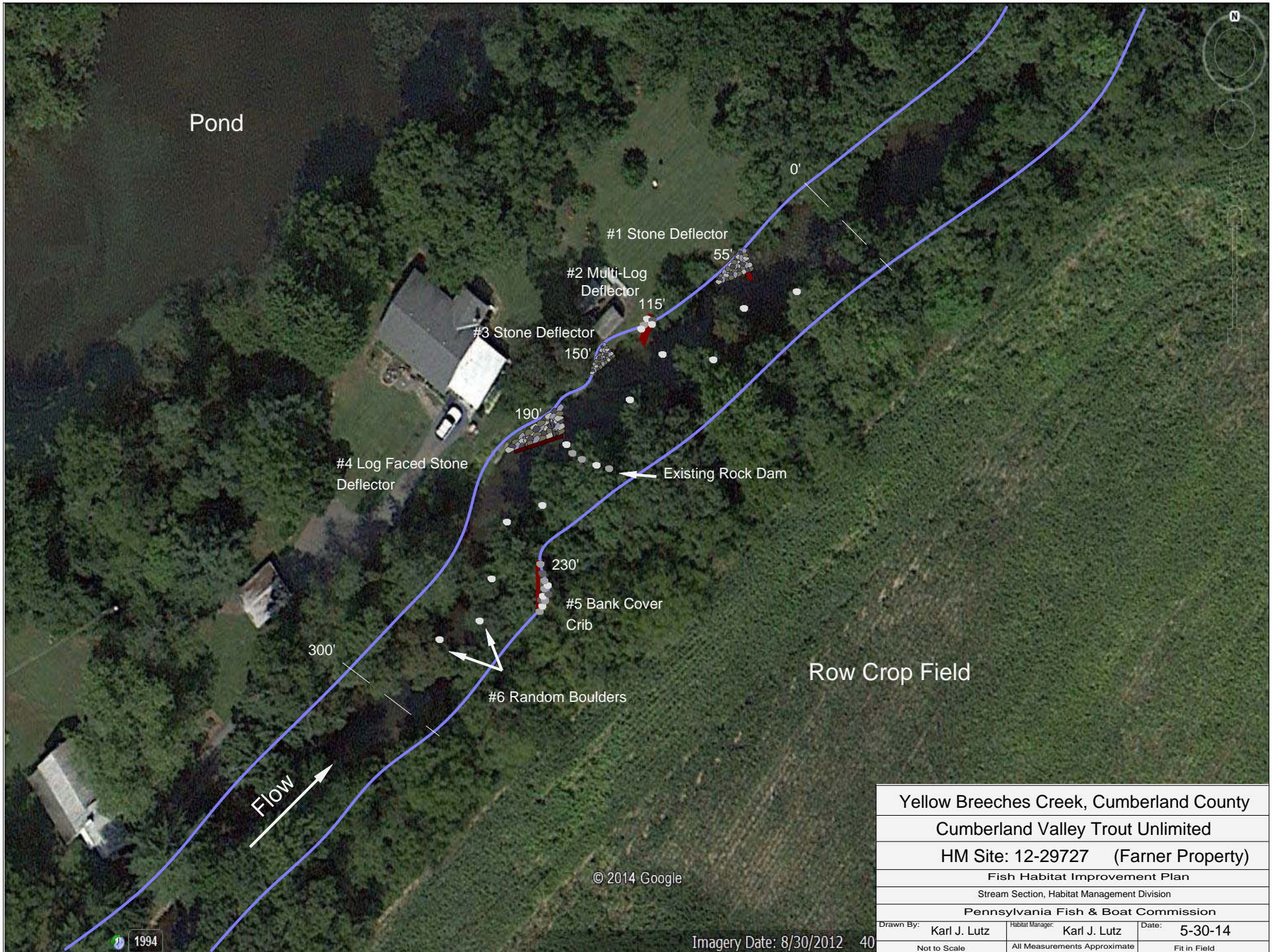
Accomplishments

1. Five habitat enhancement and streambank protection structures, plus several randomly placed boulders, installed on 300 linear feet of stream. Project improves trout habitat and prevents property damage/loss; will be used as a demonstration site for future work on Yellow Breeches Creek. Construction occurred August 24-25, 2014.
2. 17 potted shrubs (red osier dogwood and silky dogwood) planted in areas disturbed during construction. The planting occurred October 17, 2014.
3. First of its kind Agreement for Habitat Improvement and Public Fishing Access. This is the first of the February 2014 version of PFBC's "Form 60" ever completed.
4. Engagement of 12 volunteers in the project and in-kind support from 3 staffers with PFBC and TU.
5. One post on the project at TU's blog, which appeared on the tu.org homepage:
<http://www.tu.org/blog-posts/yellow-breeches-creek-benefits-from-tu-efforts>
6. Measurements of bank stability were not taken, thus the latest protocols for nutrient and sediment reduction associated with stream restoration, as approved by the Chesapeake Bay Program in 2014, cannot be applied.¹ Assuming this is a "qualified project", the reductions based on the "revised interim rate" are as follows: 22.5 lbs/yr N, 20 lbs/yr P, and 74,400 lbs/yr.

Attachments

- a) Budget Report signed on behalf of CVTU by Kevin Anderson, TU
- b) Final plan prepared by PFBC and approved by regulatory agencies
- c) Before/after photographs by CVTU's Don Albright

¹http://www.chesapeakebay.net/documents/Final_CBP_Approved_Stream_Restoration_Panel_report_SHORT_without_appendices_02062014.pdf



Yellow Breeches Creek, Cumberland County		
Cumberland Valley Trout Unlimited		
HM Site: 12-29727 (Farner Property)		
Fish Habitat Improvement Plan		
Stream Section, Habitat Management Division		
Pennsylvania Fish & Boat Commission		
Drawn By:	Habitat Manager:	Date:
Karl J. Lutz	Karl J. Lutz	5-30-14
Not to Scale	All Measurements Approximate	Fit in Field



















