

Implementation Grant Final Report

CRC Watersheds Association

West Branch Crum Creek Coldwater Implementation Report

1. Before and after photos of the project site- We already sent the before and after photos of the 6 Barr Road, Berwyn, property which was the biggest planting done.
2. Locations of the projects: Funded by grant: Site #1- 6 Barr Road*, Berwyn (West Branch of Crum Creek, and Main Stem, 1,000 linear feet one side, 300 LF second side); Sites #2 and #3: 734* and 744* S. Warren Rd, Malvern (West Branch of Crum Creek, 400 LF two sides).

Technical assistance with planting (Property owner paid for everything): Site #4: 2415* White Horse Rd, Berwyn, one acre streamside hill plus opposite bank; Sites #5 and #6: 1 and 4 Brook Lane, Paoli, 300 LF both sides, plus ¼ acre streamside wetland.

*Property under conservation easement

3. Partners Involved in the project- Willistown Conservation Trust's Director of Land Stewardship helped with one of the streamside plantings, and GreenWeaver Landscape's designer Jennifer Nichols helped with the three largest plantings. Broadacres Troutng Association and DelcoManning Trout Unlimited supplied \$500 match for the five continuous temperature data loggers which they installed and retrieved the second year in a row. TU and Broadacres also provided some planting volunteers.
4. How the project was associated with the conservation plan

The three properties addressed in this implementation grant were identified in the West Branch of Crum Creek Coldwater Conservation Plan as three of the most important properties along the West Branch due to size of the property, amount of shading to be accomplished, and proximity to prime trout rearing sections of the creek. The #6 Barr Road property also permits fishing on their property. The 734/744 property is immediately upstream of the DEP/DRN macroinvertebrate monitoring station which data

was included in the West Branch Crum Conservation Plan, so the benefits of additional can be most clearly measured over time .

In addition, two properties owners who attended the Streamside Landowner Meeting under the first Coldwater Heritage Implementation grant, approached CRC about establishing riparian buffers on their Crum Creek properties. They personally paid for all of the plants and deer protection and site preparation (this is listed as match).

The final project is a pocket water quality meadow in the stormwater swale at the entrance to the Sugartown Elementary School on Sugartown Road, near the headwaters of the West Branch of Crum Creek. This project would cost an additional \$800 to complete, and we are awaiting approval from TU to complete this last phase in February.

5. Information about the work completed through the grant

The riparian buffers established on these key properties of these important and influential landowners will not only shade important sections of the West Branch of Crum Creek, they provide valuable and visible demonstration sites to neighboring properties upon which CRC and its partners can build a culture of stream protection over traditional views of mowed streams.

6. Total cost of the project funded under the grant has been \$7,200 to date. CRC is awaiting notification that PA TU will fund the \$800 for the pocket meadow as an additional deliverable.

7. What deliverables were met

All the deliverables under the grant (planting of three major properties) were met, the two Warren Road West Branch Crum properties being substituted for the second and third properties listed in the grant. The cold water monitoring results have been given to property owners to dramatize the shortfalls in the West Branch in terms of the number of days of suitable cold temperatures.

8. Next step or future work

Next steps will include: (a) contacting neighbors contiguous to the properties where the buffers were established, with the help of Willistown Conservation Trust or Brandywine Conservancy, (b) publishing this year's temperature data to use in future presentations

and outreach materials. (c) Continue to work on expanding White Manor Country Club's riparian buffers along their West Branch tributaries, (d) CRC, WCT, and BC are planning another streamside landowner workshop to be held in June of 2013 at White Manor Country Club.

9. Sustainability

CRC has a policy of keeping in touch with all its property owners every summer to see how they are doing and if they need any assistance in maintaining their buffers.