



RESTORING THE PHENOMENON OF MIGRATORY SHAD TO THE BRANDYWINE RIVER

MEETING NOTES

June 27, 2018

Attendees:

- Jerry Kauffman, UD Water Resource Center
- Hunter Lott, Old Brandywine Village & Brandywine Shad 2020
- Jim Shanahan, Old Brandywine Village & Brandywine Shad 2020

Meeting Notes:

1. Hunter reported on a call with Laura Craig, from American Rivers:
 - Laura suggested we apply for a grant from NOAA because they are coming out with an RFP this fall. Contact is Mary Ann Reeves
 - American Rivers strongly supports total dam removal vs. creating fish passages.
 - Laura suggested that we bundle dams 1, 3, 7, 11 as one project since they are easy, low cost and will support obtaining grants for the other more expensive projects by demonstrating progress.
2. Hunter reported on call with David Arscott, ED of Stroud:
 - David suggested describing the project as Restoration of a Free Flowing Stream rather than dam removal. Besides accentuating the positive, it encompasses wider benefits than just restoration of shad migration, i.e., a rejuvenation and expansion of the entire eco-system within the river corridor.
 - David suggested we approach Delmarva/PECO for funding under the aegis of their "Let's Get Green" initiatives.
 - David suggested we estimate the cost of future dam maintenance and use it as a factor justifying the expense of dam removal/remediation.
 - Stroud has a fish incubator program. Perhaps this could be used to support shad re-stocking?
 - We should get PA involved now as they require long lead times.
3. Hunter is sending a letter to Collin O'Meara, ex-head of DNREC and current President of the National Wildlife Federation, to ask for support of NWF as well as advice for obtaining funding
4. The Fox Point Consent Order between DNREC and the City regarding removal of the West Street Dam was reviewed. A copy of the Consent Order is attached.
 - Section VIII B. on page 4 states that the City is required to spend unused funds from the amount required on restoration of natural resources:
 - **"Upon the successful completion of the dam removal, if the City's costs have not reached the partial credit amount of \$1.276 million, the Parties jointly agree that the City shall expend the remaining credit funds, if any, for the purpose of natural resources restoration, including fisheries resource restoration."**



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- There was discussion about the possibility of using any unused funds to develop a feasibility study of Dam# 2 remediation. Based on a statement at the June 6 meeting of Shad 2020 Cmte that the Dam#1 project that it will only cost ~ \$600,000, this could provide up to an additional \$600,000 in funding to support the project.
 - Jim will contact City attorney Huddy Grandy for clarification of the Consent Order wording and intention.
5. Jerry recommended that we ask USACE if they can do Conceptual Engineering Drawings of the various dams as a Summer Project to help move the project forward. Jim will follow-up with Adrian Leary.
6. Jerry reported that on July 16 the UD Water Resources Center will initiate the update of the Brandywine Conservancy's Feasibility Study as well as conducting the hydraulic analysis using USACOE HECRAS model. He expects to have it completed by the end of August.
7. Hunter met with Mike Malloy, President of the Friends of Willington Parks who asked if a study has been done about the potential impact of flooding from dam removal. Jerry said that due to the small size of the dams that this was a minimal issue, but that he can include in this study update this summer.
8. There was further discussion on alternative sources of funding:
- UD's Water Resource Center will be the PI (Principal Investor) for the purpose of receiving and disbursing funds as they did with the removal of the dam on the White Clay Creek
 - Jim will initiate a few funding requests to support engineering studies for other dams, using as starting point the 24 funding sources identified in the Brandywine Conservancy's 2005 Study
 - Hunter will pursue other potential sources of funding