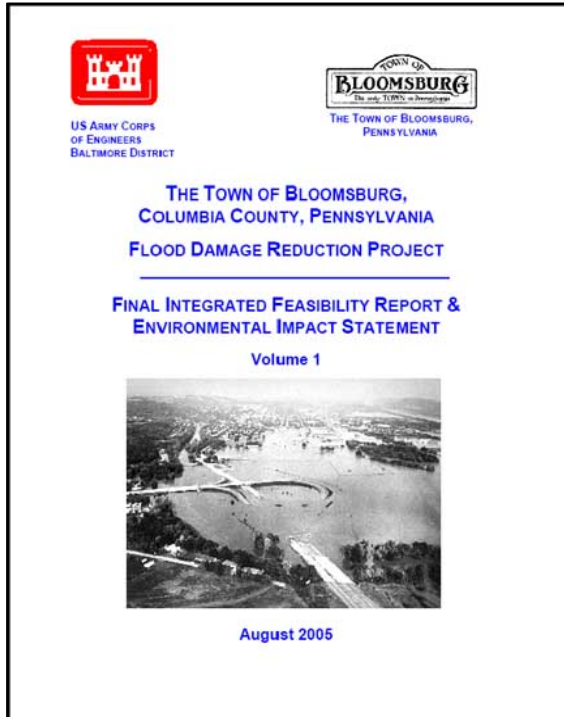


Town of Bloomsburg, Columbia County, Pennsylvania

22 September 2005



Abstract: The recommended plan for flood damage reduction in the vicinity of Bloomsburg and Fernville, Pennsylvania, would provide protection against flooding from the Susquehanna River and Fishing Creek. The recommended plan includes constructing approximately 9,600 linear feet of earthen levee, approximately 760 linear feet of mechanically stabilized earth floodwalls, approximately 1,150 linear feet of concrete floodwalls, nine drainage structures, five road raises, and seven closure structures to protect Bloomsburg. The recommended plan also includes constructing approximately 4,350 linear feet of earthen levee, approximately 710 linear feet of mechanically stabilized earth floodwalls, one road raise, two closure structures, two river stage gages, and rain gages to protect Fernville. Unavoidable environmental impacts would be fully compensated for by the creation of about 0.7 acre of emergent wetland and about 1.5 acres of forested wetland habitats, and the removal of

a timber crib dam on Fishing Creek to enable fish passage. The town of Bloomsburg is the non-Federal cost-sharing sponsor for all features.

The total first cost of the plan is estimated at \$43,302,000, all for flood damage reduction. The total first cost of the plan would be cost shared \$28,146,000 Federal and \$15,156,000 non-Federal. The cost of lands, easements, rights-of-way, relocations, and dredged material disposal areas is estimated at \$11,982,000. The total cost includes \$1,784,000 for environmental mitigation. The town of Bloomsburg would be responsible for the operation, maintenance, repair, replacement, and rehabilitation of the project after construction, a cost currently estimated at about \$185,000 per year. The total equivalent average annual costs are \$2,629,000, including OMRR&R. The equivalent average annual benefits are \$3,723,000 analysis. The equivalent average annual net benefits are \$1,094,000, and the benefit-to-cost ratio is approximately 1.4 to 1. In addition to the above, the town of Bloomsburg would be fully responsible for performing the investigation, cleanup and response of hazardous materials on the project site at an estimated cost of \$895,000. The proposed plan is the national economic development plan.

The plan is estimated to be 99.8 percent reliable in protecting the Bloomsburg area from a flood which has a 0.23 percent chance of occurrence in any year (440-year flood) and would reduce average annual flood damages by more than 98 percent. The recommended plan is estimated to be about 99.5 percent reliable in protecting the Fernville area from a flood which has a 1.0 percent chance of occurrence in any year (100-year flood). The selected plan would reduce average annual flood damages by about 66 percent and would leave average annual residual damages estimated at \$1,567,000.

Report Documentation: Pertinent documentation on the project, the results of the CWRB, and subsequent Washington Level Review Actions are linked below.

- [CWRB Briefing Agenda](#)
- [Project Summary](#)
- [CWRB Briefing Slides](#)
- [CWRB Lessons Learned](#)
- [CWRB Meeting Record](#)
- [Comment Letters](#)
- [Documentation of Review Findings](#)
- [Signed Chief of Engineers Report](#)
- [ASA \(CW\) Memo to OMB](#)
- [OMB Clearance](#)
- [Congressional Notification](#)
- [Record of Decision](#)
- Authorization
 - [Section 1001 \(38\) WRDA 2007](#)
 - [Full WRDA Text](#)

Additional Information:

[North Atlantic Division](#)

[Baltimore District](#)