DAM REMOVAL IN NEW JERSEY

December 19, 2007

Dear Mr. Kyle Barry,

I have learned that the Musconetcong Watershed Association along with other partners has applied for funding to investigate removal of the dam on the Musconetcong River at Mount Joy Road in Flemington. I understand the importance of dam removal and I am writing to you to express my support for investigating the possibility of removing this dam.

I realize that the investigation of the dam removal is in the very early stages and that there is no promise that the dam removal will occur. Please keep me apprised of the project as it develops.

Sincerely,

[Signature]

Mr. James Coe
DAM REMOVAL IN NEW JERSEY
Partner List

**Natural Resources Conservation Service** – Natural Resources Conservation Service – technical assistance and possible financial assistance on riparian buffer restoration

**US Fish and Wildlife Service** – technical assistance and financial assistance from the Partners for Fish & Wildlife Program

**The National Oceanographic and Atmospheric Administration** – technical and possible financial assistance through the American Rivers-NOAA Community-Based Restoration Program.

**American Rivers** – technical, outreach, and regulatory assistance, and possible financial assistance through the American Rivers-NOAA Community-Based Restoration Partnership and other grant funding.

**North Jersey RC&D Council** – technical assistance and possible financial assistance on riparian buffer restoration.

**Musconetcong Watershed Association** – local landowner outreach, education, technical assistance.

**NJ Division of Fish and Wildlife** – technical assistance on local fisheries issues.

**Trout Unlimited** – in-kind volunteer assistance from membership and possible limited financial assistance

**National Park Service** advisory and technical assistance
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Funders:
• Natural Resources Conservation Services
• USF&W
• American Rivers
• NOAA
• Conservation Resources Inc.
• Corporate Wetlands Restoration Partnership
• National Fish and Wildlife Foundation
• Cora Brooks Foundation
  • NJ Federation of Sportsmen/TROUT Unlimited/Leavens Foundation/Morris County
Contact from Dam Owner

Feasibility Study Funding applied for and received from AR/NOAA

Design and Permitting Phase Funded by AR/NOAA

State Historic Preservation Office

NRCS/MWA WHIP Contract

Public Meetings

Public/Partners/Munis

Environmental Assessment *

Finding of No Significant Impact

Approved Design

NJDEP Permit Applications

NJDEP/NJ F&W HC SEC PERMITS

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No Action Alternative
Under this alternative, no further modifications would be made to the Finesville Dam. Aquatic organism passage, habitat and ecological connectivity would continue to be restricted by a manmade structure. The dam owner would continue to bear the maintenance, inspection and liability costs and risks. The dam owner will be required to maintain the dam according to requirements set forth by the NJDEP Bureau of Dam Safety and the Dam Safety Act.

Pursuing this “No Action” alternative would create a long term financial liability for the private dam owner. Public safety concerns would continue for those using the River for swimming and boating due to the hydraulic roller effect at the dam. The visual resource of the area would remain unchanged.
Partial Dam Removal
Partial dam removal would entail the removal of a portion of the dam leaving the ends of the existing structure to provide support to the streamside walls that extend downstream and also serve as the abutments for the Mount Joy Road Bridge. This alternative would largely restore the connectivity and aquatic integrity of the Musconetcong River to the next obstruction, the Hughesville Dam. Full passage would be restored for all fish and other aquatic species present in the river. Public safety will be improved by the elimination of the hydraulic roller effect on the downstream side of the structure.

This alternative would eliminate owner responsibility for operation and maintenance of the structure as a dam and its liability. Cultural resource, on-site stream restoration and sediment concerns would need to be addressed. Stream habitat enhancement and tree and shrub planting and other practices would be part of the project. The dam would retain some of its historical perspective, as some of the dam structure would remain intact and the dam abutments would be undisturbed.
MEMORANDUM OF AGREEMENT BETWEEN THE
NATURAL RESOURCES CONSERVATION SERVICE,
THE NEW JERSEY HISTORIC PRESERVATION OFFICE,
THE MUSCONETCONG WATERSHED ASSOCIATION, AND
Mr. JAMES GRODON (DAM OWNER)
REGARDING THE FINESVILLE DAM AND FISH PASSAGE PROJECT
ON THE MUSCONETCONG RIVER
HUNTERDON AND WARREN COUNTIES, NEW JERSEY

Archeological Monitoring

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Action Alternatives - Partial or Full Dam Removal

There are approximately 20 homes in the Finesville vicinity which are dependent on groundwater for their water supply. Finesville, due to its historic nature, has a number of old, relatively shallow wells (less than 50 feet deep) which predate and are grandfathered under current NJDEP regulations. These regulations now require a minimum of fifty feet of well casing plus an additional twenty feet of well casing into competent rock and greater well depth (Schumacher, 2009). New wells drilled on the relatively small lots require additional casing to protect drinking water sources from nearby septic tanks, cesspools and filter fields (Colaluice, 2009). The Natural Resources Conservation Service considers this to be a socio-economic issue.
NRCS and MWA are committed to assessing the changes in ground water that occur as a result of the project and any resulting impacts to domestic water supply wells. This assessment will involve installing monitoring points and measuring ground water levels near the river and in selected wells prior to and subsequent to removal of the dam.
Measurement of Static Water Levels in Domestic Wells

• Testing will consist of measurement of the static (at rest) water level in select wells in close proximity to the river to establish the pre-project level.
• Well owners must cooperate by resting their wells a minimum of 8 hours prior to collection of static water levels.
• Wells must be readily accessible without the need to excavate and/or removal pumping equipment.
• Well owners who wish to cooperate must give permission to access their wells.
• A licensed New Jersey well driller will gain access to wells to be measured. Well owners must indemnify the well driller from liability.

☐ My well meets the prerequisites for and I am willing to comply with the requirements for Static Water Level measurement.
☐ My well does not meet the requirements for static water level measurement, i.e., it is deeper than 50 feet, and/or it is not accessible without excavation.
☐ I DO NOT wish to participate in the Static Water Level measurement program.
Coliforms are "indicator" organisms associated with bacteriologically polluted water. Their presence in drinking water is indicative of contamination from a surface source.

- Well owners must make an appointment to allow a certified contractor to obtain a sample of well water for laboratory testing.

☐ Please provide me with the contact information to schedule an appointment.
☐ I DO NOT wish to participate in Total Coliform testing
On the Finesville Dam removal we are monitoring:

- Macroinvertebrates
- Chemistry
- Temperature
- Visual Assessment
- Streambed Habitat Changes
- Domestic Well Water Quality
- Groundwater Changes
- Archaeology/History
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Thank You!

Musconetcong Watershed Association

(908) 537-7060

beth@musconetcong.org

www.musconetcong.org