

Lake Champlain Watershed Environmental Assistance Program Update: Feb 2011

Lake George Stormwater Improvement Project; Village of Lake George, NY (Pilot Project)



A Project Cooperation Agreement (PCA) was executed in partnership with the Village of Lake George, New York. The project consisted of design/construction of storm-water infiltration structures in the Beach Road Parking lot in the Village of Lake George, NY. A “storm-water infiltration chamber” has been constructed within the parking area, which intercepts the flow on the parking lot and provides subsurface run-off storage and infiltration capability. The project is complete.

Project Manager: Jenifer Thalhauser
Total Cost: \$282,000

Water Treatment Control Plant Phosphorous Reduction Planning Study; City of Plattsburgh, NY



A PCA was executed in partnership with the City of Plattsburgh, NY. The project addresses phosphorus removal by generating a planning study which will make recommendations for more efficient phosphorus removal at the City Water Pollution Control Plant (WPCP). A contract was awarded in March 2007 for the Planning/Design work. The Report was complete in Feb 2010 and includes 30% level of designs of the recommended plan..

Project Manager: Jenifer Thalhauser
Total Cost: \$538,000

Ausable River Channel Restoration and Streambank Stabilization; Town of Keene, NY



The “Rivermede” project PCA was executed in partnership with the Town of Keene, NY. The Corps of Engineers completed preliminary designs for a river stabilization and habitat improvement measures along a 2000 ft. reach of the East Branch of the Ausable River in Keene, NY. The Town of Keene provided their local cost share in Oct. 2009. Construction is scheduled for Summer 2011.

Project Manager: Caroline McCabe
Total Cost: \$1,028,000

Potash Brook River Restoration Project; City of South Burlington, VT



A PCA was executed in partnership with the City of South Burlington, VT. The project consists of the design and construction of urban watershed restoration measures in a crucial reach of “Tributary 3” of Potash Brook. The goal is to improve the stream health, aquatic ecosystem function, and water quality prior to discharge into the main stem of Potash Brook and Lake Champlain. Currently, the non-federal sponsor is working on the Environmental Assessment and preliminary designs as part of their in-kind credit. Construction is scheduled for Summer/Fall 2011.

Project Manager: Jenifer Thalhauser
Total Cost: \$1,800,000

College Street Stormdrain Improvement Project; City of Burlington, VT



The potential College Street project has been proposed by the City of Burlington, VT. The project was approved by the LCBP. The project will be initiated once the budget is finalized with the City and a Project Cooperation Agreement is executed. The project will consist of retrofit designs and construction of the College Street stormdrain system in Vermont's most urban area. The goal is to reduce phosphorus loading into Burlington Harbor. A meeting was held with the City in Nov. 2009 to revisit the study. Currently, the City is revising the scope of work.

Program Manager: Jenifer Thalhauser
Cost Estimate: \$600,000

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West Brook Restoration Project, Lake George, NY

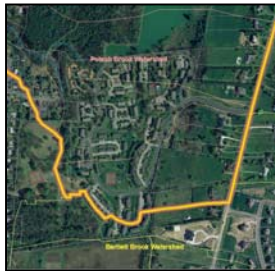


The potential West Brook project has been proposed by the Village of Lake George, NY. The project was approved by the LCBP. The West Brook Project consists of the design and construction of a former amusement park in the Village of Lake George. The Corps project is on the north parcel and the DOT is restoring the south parcel. Project includes wetland creation, river restoration and drainage improvements. In Dec 2010, the local partner declined a partnership with the Corps due to the Corps' high costs and stringent regulations.

Project Manager: Karen Ashton

Cost Estimate: \$3,000,000

Bartlett Brook Stormwater Management Project, City of South Burlington, VT

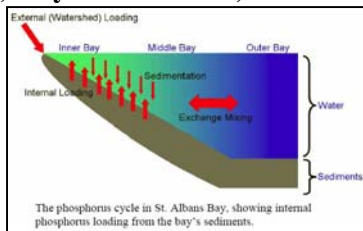


The Bartlett Brook project has been proposed by the City of South Burlington, VT. The project was approved by the LCBP. The Bartlett Brook Project is a combination of stormwater management installations or upgrades to reduce non-point pollutants entering the Bartlett Brook and Potash Brook watersheds, and re-route altered drainage systems. Installation of bioretention facilities and interceptors to reduce sediment transport into the watersheds. The project has been divided into two separate projects, the "North" is a design/construct project and the "South" is study/design. The PPA was sent to HQ for approval in August 2010. Approval is pending.

Project Manager: TBD

Cost Estimate: \$1,500,000 (North), \$300,000 (South)

St. Albans Marsh Restoration Study, City of St. Albans, VT.



The potential St. Albans Marsh Restoration Study has been proposed by VTANR. The study was approved by the LCBP. This study will analyze the alternatives for removal and/or treatment of Marsh sediments. The project scope of work (PMP) has been coordinated with the sponsor and the PPA Package was prepared. A meeting is being scheduled to determine if this study is better suited for the PAS Program. The study may lead to a design/construct project with a cost estimate ranging from \$1.8M to \$7.9M, depending on the recommended alternative.

Project Manager: Jenifer Thalhauser

Cost Estimate: \$200,000

Carry Bay Causeway, VT



The potential Carry Bay Causeway project has been proposed by VTANR. The project was approved by the LCBP. The project includes the removal of portions of the Carry Bay Causeway which will enhance the mixing of main lake waters with water flowing from Missisquoi Bay and the Inland Sea and reduce fragmentation of littoral zone habitat. A Project Management Plan will be negotiated with the State of Vermont.

Project Manager: Jenifer Thalhauser

Cost Estimate: \$1,000,000

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Essex County Stormwater Management Projects

Requests were received from Essex County, NY for stormwater improvements in Elizabethtown, Ticonderoga and Putnam. Due to a lack of existing information, the Corps recommended studies be performed through the Planning Assistance to States Program, before pursuing assistance under the Lake Champlain authority. A PAS study has been initiated in the Town of Putnam, sponsored by the Lake George Association.

Program Manager: Jason Shea

Cost Estimate: \$120,000

Program Updates

WRDA 2007: (1) Allows the non-federal sponsors to meet the non-federal share with 100% in-kind services, (2) has increased the authorization from \$20M to \$32M, and (3) gives the District approval authority for pre-PCA in-kind credit under \$100k. Also, the authority has been expanded to include geographical mapping. Implementation Guidance is pending approval by HQUSACE.

General Management Plan: The GMP will be updated in FY11 to reflect the WRDA 2007 amendments to the authority, after HQ approves implementation guidance. The process will also be analyzed and improved as necessary, in coordination with the LCBP.

