

FUNDAMENTALS

FROM STREAMS, TO LAKES, TO GREAT LAKES
PROTECTING OUR WATER RESOURCES BEGINNING AT THE LOCAL LEVEL

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NEW FLOWPA LOGO

How can the many facets of the Finger Lakes - Lake Ontario Watershed Protection Alliance (FLOWPA) be summarized into one recognizable symbol? Introducing the new FLOWPA logo, designed by Paulina Garces Reid of Garces Reid Designs:



Design interpretation: The white water drop at the center of the logo represents FLOWPA's central focus – clean, available freshwater. The landscape behind the drop depicts the fields, hills and valleys of the FLOWPA watersheds. The 25 county members in the FLOWPA program are represented by the 25 lines on the ground, which merge north towards the horizon where they meet Lake Ontario. The circular shape of the entire logo represents the continual transfer of information, techniques and resources among the participating counties and other partners to insure that water quality problems can be managed more effectively and efficiently. The logo's simplicity of design and eye-catching color are a recognizable and memorable symbol of FLOWPA, now and for the future.

FLOWPA FEDERAL FUNDING



The Great Lakes Restoration Initiative (GLRI) is the investment by the government of the United States to protect, maintain, and restore the chemical, biological, and physical integrity of the Great Lakes. Non point sources are now the primary contributors of many pollutants to the lakes and their tributaries.

Administered through the Environmental Protection Agency, FLOWPA has been awarded \$998,749.00 for agricultural best management practices (BMPs).

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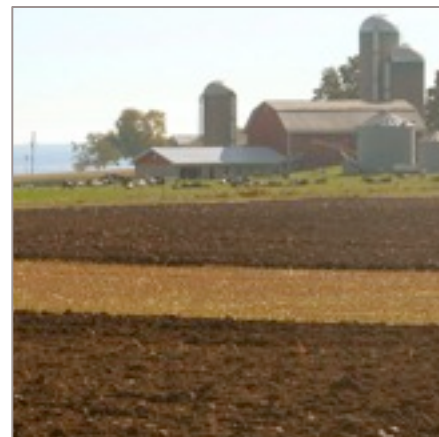
Through these projects, nutrient, sediment and pollutant inputs to the tributaries and nearshore waters of Lake Ontario will be reduced. This will be the direct result of the agricultural BMP's that will be installed on a minimum of 25 farms, encompassing over 30,000 acres of active farmland in these 7 counties within the New York State Lake Ontario drainage basin.

Additionally, conservation tillage cover cropping practices will be applied to over 10,000 acres of active cropland.

Each county has developed a plan for local cost share match contributions for these projects, totaling \$251,837.00. The FLOWPA Water Resources Board staff and the Finger Lakes Association will receive \$17,500 to administer the grant and coordinate all activities. General information about these projects, project highlights, photos and final results will be posted on the FLOWPA website www.flowpa.org. Individual projects will be featured in upcoming FLOWPA newsletters. Our feature project in this issue is from Monroe County SWCD.

COUNTY	AWARD
Monroe	\$140,685
Niagara	\$151,164
Onondaga	\$148,400
Orleans	\$67,000
Oswego	\$100,000
Schuyler	\$269,000
Tompkins	\$75,000
NWNY Dairy, Crops Livestock	\$30,000

Monroe County SWCD plans to utilize GLRI funding for projects on 4 local farms. One of the farms is a Crop farm that will construct an agrichemical handling facility. This facility will provide a contained, environmentally friendly place to store and mix agricultural chemicals while eliminating field mixing of chemicals near natural waterbodies. On this same farm the District will also be replacing an older fuel tank with a new fuel storage tank confined with a secondary containment vessel. The new tank will sit on a designed heavy use area to prevent erosion from heavy vehicle traffic. The next farm the District will be working with is a horse farm where we will be implementing fencing along a stream to exclude animals from this area. This project will eliminate stress from the streambank that has been negatively impacted with erosion from heavy animal traffic. Another farm the District is working with is a beef farm where a covered barnyard will be constructed to eliminate an outdoor feedlot that borders a pond and wetland. The construction of this building will eliminate nutrient runoff into the adjacent water bodies. A barn roof water runoff management system and heavy use area will also be constructed on this farm to further protect water quality. The last project is on another crop farm that sits adjacent to a stream where the District will be replacing an older fuel tank with a new fuel storage tank confined with a secondary containment vessel. This fuel storage tank will sit on a designed heavy use area as well.



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AQUATIC NUISANCE SPECIES

To date, there are over 180 non-native aquatic species established in the Great Lakes, and that number continues to increase. These species harm aquatic ecosystems and have slowed progress toward restoring the Great Lakes. The Aquatic Invasive Species Program supported by the GLRI will enhance programs that minimize the risk of introduction, establishment and impacts of Aquatic Invasive Species (AIS). The Finger Lakes Association (FLOWPA) has been awarded \$792,000 for AIS Management Plan Implementation. These funds are administered by FLOWPA on behalf of the NYS DEC's GLRI funding through the US Fish and Wildlife Service. Sub-awards were made to:

The following two programs are supervised by Paul Smith's College Adirondack Watershed Institute:

- *Upper Watershed Watercraft Inspectors* – watercraft inspections will take place within waterways located within the Oswegatchie/Black River Watersheds and the St. Regis/Raquette/Grosse River Watersheds, all within the Adirondack Park. \$224,211 non-federal match – \$111,328
- *Upper Watershed AIS Response Team* – This project will work to control existing priority infestations or newly discovered infestations of aquatic invasive plants, such as Eurasian watermilfoil, in the Fulton Chain. The primary method of control will be hand-harvesting by a team of trained divers. \$100,000 non-federal match – \$104,286

The Nature Conservancy-Eastern Lake Ontario Aquatic Invasive Species Monitoring and Control – This project will implement an early detection/rapid response (ED/RR) program, using an invasive species team, to prevent and eradicate invasive species. All data will be recorded on the Nature Conservancy's Weed Information Management System (WIMS). Glossy buckthorn will be removed from up to 50 acres of wetlands using glyphosate herbicides. The sites will be monitored and treated as needed for 2 years. The Galerucella beetle will be released in 3 wetlands totaling approximately 400 acres (5 release sites) to control purple loosestrife. High priority rivers, wetlands and ponds in the upper Sandy Creek Watershed, including the Salmon River and East Branch of Fish Creek on the Tug Hill Plateau, will be monitored for invasive species. A map will be developed from this information to guide future management strategies, and to prioritize and implement projects. \$160,000

Coastal Watersheds Aquatic Invasive Species Outreach Stewards: Salmon River - Sandy Creek Watershed – New York Sea Grant will collaborate with local partners to further any management plans with one-on-one educational interaction, and



Brittle naiad



Curly leaf pond weed



Purple loosestrife



Glossy buckthorn



European frogbit

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increase public awareness on aquatic invasive species through activities such as community events, tours, and educational workshops. Publications will be developed for public information such as a blog and newspaper articles. \$39,109

Coastal Watersheds Water Chestnut Control Program – FLOWPA counties; Cayuga, Onondaga, Oswego and Wayne along with agency and private organization partners are implementing a multi-discipline water chestnut control effort. The project will utilize high-speed cutting, chemical treatments, mechanical harvesting, group shoreline and water-based hand-pulling, and waterfront resident education. Large infestation areas being targeted in the Seneca and Oswego Rivers (Onondaga County and Oswego County), Maxwell and Sodus Bays (Wayne County). Areas where water chestnut is nearing eradication or where it has recently been discovered will also be addressed including Cross Lake (Cayuga County), Otisco Lake (Onondaga County) and Sterling Creek (Cayuga County). \$237,500



FLOWPA Membership includes the following New York State counties wholly or partially in the Lake Ontario drainage basin:

Allegany, Cayuga, Chemung, Cortland, Genesee, Hamilton, Herkimer, Jefferson, Lewis, Livingston, Madison, Monroe, Niagara, Oneida, Onondaga, Ontario, Orleans, Oswego, Schuyler, Seneca, Steuben, Tompkins, Wayne, Wyoming, Yates

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