

TOTAL FOR 2019: \$2,823,720

HUDSON RIVER ESTUARY PROGRAM GRANT AWARDS 2019 (ROUND 23)

TOTAL: \$1,116,332

AWARDS ANNOUNCED JANUARY 23, 2019

TRIBUTARY RESTORATION & RESILIENCY

ORGANIZATION	COUNTY	AWARD	DESCRIPTION
Riverkeeper Inc	Westchester	\$319,805	The project proposes to mitigate the first and second barriers for fish movement upstream from the Hudson in Furnace Brook. Both dams are in decay, no longer serve any functional purpose, and pose ecological issues to the health of Furnace Brook, and to several species of fish in serious decline. The grant will support removal of the first barrier, and development of design plans for removal of the second barrier (Maiden Lane Dam). Removal of the first dam will restore almost one mile of stream habitat for river herring and American eel. When the second barrier is eventually removed, an additional half mile of habitat will be reconnected.
Bard College	Dutchess	\$312,057	The project will remove Bard's lowest dam on the Saw Kill, a first barrier for fish movement upstream from the Hudson River. The dam no longer generates hydropower, and remains an unnatural stream barrier to American Eel migration. The grant will support final project permitting, dam removal, restoration of the former stream shoreline, and a post-dam-removal eel count for comparative research with current data. Removing the dam will reconnect almost one mile of stream habitat.
The Scenic Hudson Land Trust, Inc.	Ulster	\$181,000	This project will remove an undersized culvert, and install a new open bottom culvert under Winding Brook Road at Scenic Hudson's Black Creek Preserve. Right-sizing the culvert will enhance fish passage for American eel and reduce flooding problems which now affect the road. The existing culvert is a first barrier for fish movement upstream from the Hudson River on a tributary of Black Creek. The new culvert will be designed to be fully passable for aquatic organisms and will accommodate a 500-yr storm flood conditions. Approximately 4820' of stream habitat will be enhanced.
Hudson Valley Regional Council	Orange	\$31,500	The project will investigate stakeholder issues related to the proposed removal of Browns Pond dam on the Otter Kill Creek in the Town of Hamptonburgh. The dam was initially constructed for mill power, and the pond was used for ice harvesting. The dam is now in a deteriorated condition and has been identified as a potential structural and flood hazard. If removed, downstream flood hazards would be mitigated, and at least 14.5 miles of stream habitat would be improved for American eel and other aquatic species. This grant will support public meetings with affected upstream and downstream stakeholders to explore the implications of potential dam removal as well as monitoring of fish habitat in the stream, focused on American eel.
Riverkeeper Inc	Orange	\$218,870	The project will remove the Strooks Felt Dam on the Quassaick Creek, a first barrier for fish movement upstream from the Hudson River. The dam is in decay, no longer serves any functional purpose, and poses ecological issues to the health of Quassaick Creek. Removing the 5.5-foot dam will restore over one mile of habitat for river herring and eel, improve fish passage and connectivity, restore river resiliency and natural functions, and enhance riverine stewardship of Quassaick Creek. The project also supports ongoing restoration efforts in the watershed.
Town of Stony Point	Rockland	\$53,100	Identified in the Town of Stony Point Road-Stream Crossing Management Plan, this project will complete planning and engineering for right-sizing a barrier culvert and removing a 6' obsolete dam on Cedar Pond Brook. Mitigating these barriers will restore fish and wildlife passage, and reduce flood risk. Restoring 13,000' of stream habitat continuity in this location will reconnect Cedar Pond Brook with a significant amount of permanently protected upstream stream corridor and associated uplands between Harriman State Park and other barriers in the stream network.

AWARDS ANNOUNCED JUNE 27, 2019

RIVER ACCESS (NATURAL RESOURCE DAMAGES FUND)

ORGANIZATION	COUNTY	AWARD	DESCRIPTION
Village of Tarrytown	Westchester	\$271,000	The Village of Tarrytown will stabilize the Hudson River shoreline of Losee Park in Tarrytown to reduce erosion and the impacts of flooding. The project will improve public access to the existing kayak/canoe launch at the park. The Village also will work with local public schools, the senior center, and historically underserved residents to promote the enjoyment of nature and recreational opportunities.
Historic Hudson Valley	Westchester	\$104,000	Historic Hudson Valley will improve storm resiliency and river access for the public at Philipsburg Manor, a historic landmark in Sleepy Hollow contiguous to the former General Motors (GM) site. The project will eradicate invasive species on the shoreline to improve access and preserve the viewshed; stabilize the shoreline with native plantings using sustainable shoreline principles; upgrade the picnic area to meet universal access standards; and remove fallen trees from the river to facilitate recreational kayaking.
Village of Sleepy Hollow	Westchester	\$375,000	The Village of Sleepy Hollow will restore and enhance the riverside trail on the former GM site, which stretches from DeVries Park to Philipsburg Manor, along the southern shoreline of the Pocantico River, a tributary of the Hudson. The funding also will be used to stabilize the shoreline, remove invasive species, and construct a connected path network with a viewing platform and educational signage. The completed trail will connect Devries Park to inner village neighborhoods and to the Sleepy Hollow Commons project and its amenities.

AWARDS ANNOUNCED DECEMBER 18, 2019

LOCAL STEWARDSHIP PLANNING

ORGANIZATION	COUNTY	AWARD	DESCRIPTION
Hudson Highlands Land Trust, Inc.	Putnam	\$50,000	Hudson Highlands Land Trust will partner with the towns of Philipstown and Putnam Valley to create an implementation plan for building green corridors between existing conserved lands that includes conservation and financing strategies. The plan will prioritize land parcels based on scientific data about at-risk wildlife species and habitats, natural resource maps and land use.
Town of Poughkeepsie	Dutchess	\$40,000	The Town of Poughkeepsie will create a natural resources inventory (NRI) and open space plan (OSP) covering about 31 square miles in the Town. The NRI and OSP will enable the Town to identify priorities for natural resource protection, select tools and techniques to conserve natural resources, and establish conservation goals and strategies
Town of Cortlandt	Westchester	\$50,000	This project will develop a multi-jurisdictional land use overlay zone to protect the Indian Brook/Croton Gorge watershed, which encompasses approximately 3,400 acres in five municipalities including Town of Cortlandt, Town and Village of Ossining, Village of Croton-on-Hudson, and Town of New Castle. The overlay zone is intended to bring the disparate environmental laws that currently exist in the five communities into conformity with each other, to help ensure that projects proposed in each individual community are subject to the same land use regulations to ensure the protection of the watershed.
Pace University	Columbia & Dutchess	\$37,588	This training will develop land use leadership capacity within the watershed areas to help community stakeholders assess and amend their land use plans and zoning codes to protect natural resources and open and increase community resiliency.
Columbia Land Conservancy, Inc.	Columbia	\$49,999	This plan will identify municipal and private actions that will help maintain unfragmented forests and streamside habitats in the headwaters of the Taghkanic, which provides drinking water for the city of Hudson. This rural forested area, valued for its scenery, recreational opportunities, and wildlife habitat, is part of a regional forest linkage that is critical for climate change resiliency.
Riverkeeper Inc	Rockland	\$50,000	Riverkeeper will assess water quality in the Sparkill Creek Watershed in coordination with DEC and the local community using DEC's Professional External Evaluation of Rivers and Streams protocols. This project will gather Environmental Laboratory Approval Program lab-certified data, conduct a thorough assessment, and if impairments are documented, will recommend updates to the state Priority Waterbodies List or 303(d) list of impaired waters.
Town of New Paltz	Ulster	\$35,000	The NRI project will update and expand on the Town's Open Space Plan to provide an online set of maps and information that identify the current natural resources throughout the town and village. The completed NRI will be a reference document for use by town agencies, landowners, and others seeking information about New Paltz's resources and landscapes, and will provide guidance for land-use planning, land development, and conservation.
The Nature Conservancy	Dutchess & Ulster	\$50,000	The Nature Conservancy (TNC) and the Hudson River Watershed Alliance (HRWA) will engage four communities of the "Hudson 7", Town of Hyde Park, the City of Poughkeepsie, and the towns of Esopus and Lloyd, to implement climate-adaptation resiliency planning. The workshops will help these communities recognize, analyze, and map areas of vulnerability and identify activities to reduce risk.
Trout Unlimited, Inc.	Rensselaer	\$49,967	This plan will serve as a guide for future culvert replacements to reconnect high-quality aquatic habitat and improve community flood resiliency and road infrastructure condition within the town. The management plan will include an inventory and prioritized list of road-stream crossings and designs for two-three priority replacement structures. document.
Natural Areas Conservancy, Inc.	New York	\$49,919	The natural resources conservation plan will include a detailed description of potential restoration and management projects appropriate for volunteers, paid staff, and contractors. Local stewards, the Riverside Park Conservancy, and NYC Parks staff will be trained in monitoring in order to track future improvements to the site.

HUDSON RIVER ESTUARY PROGRAM GRANT AWARDS 2019 (ROUND 29) **TOTAL: \$364,165**

AWARDS ANNOUNCED DECEMBER 18, 2019

RIVER EDUCATION

ORGANIZATION	COUNTY	AWARD	DESCRIPTION
Clarkson University	Dutchess	\$39,459	Clarkson will develop new and updated exhibits, curriculum and programs about the Hudson River estuary, its watershed, and its fish and wildlife for visitors and Beacon schools.
Hudson River Sloop Clearwater, Inc.	Multiple	\$40,000	The Sloop Clearwater will research, develop, and construct a universally-designed educational exhibit to help youth and adults of all ages gain a deeper understanding and appreciation of the Hudson River and its biology. The traveling exhibit will be portable in order to reach multiple audiences at locations throughout the Hudson Valley.
Sarah Lawrence College	Westchester	\$39,639	The Center for the Urban River at Beczak (CURB) will create and pilot curriculum that includes eight units exploring the ecology, geography, biology, and history of the Hudson River. CURB will pilot the curriculum as a 4-week summer pre-college course for local high school students.
New York Harbor Foundation	5 boroughs	\$25,291	Billion Oyster Project (BOP) will create a comprehensive species identification distribution guide that is specific to organisms found in the New York Harbor Estuary. BOP will use and distribute printed copies of this guide at trainings and professional development workshops and will also publish it online.
The Children's Museum of Science and Technology	Rensselaer	\$38,242	The museum will repair and stock estuary aquarium tanks with Hudson River fish species, create accessible signage, and update teaching curriculum for in-house and outreach educational programs. The museum also will provide staff training for the new fish and exhibit improvements.
The Trustees of Columbia University in the City of New York	Rockland	\$39,830	Columbia Lamont-Doherty educators will work with high school interns from populations underrepresented in the sciences to develop curriculum materials that support field-based and culturally relevant programs about the Hudson River.
Orange County Water Authority	Orange	\$27,166	Orange County Water Authority (OCWA) will develop a curriculum guide and lesson plans and conduct teacher training about the Hudson River estuary, its watershed, and source water protection. The lessons will be piloted through OCWA's conservation education programs.
The River Project, Inc.	New York	\$34,998	The River Project will outfit and set-up new scientific equipment that will allow staff and its partner Hudson River Park Trust to perform a broader range of participatory research projects, including eDNA (environmental DNA) collection and processing. Educators and students will participate through teacher trainings, internships, and field trips.
Waterfront Alliance, Inc.	New York & Richmond	\$39,540	The Waterfront Alliance will develop curriculum and classroom and field activities about the environmental conditions of climate change at its waterfront field lab for public school students, Estuary Explorers. The Waterfront Alliance also will host professional development opportunities for at least 90 middle and high school teachers, which will take place in environmental justice communities in northern Manhattan and Staten Island.
Brooklyn Bridge Park Conservancy Inc.	Kings	\$40,000	This funding will allow the Conservancy to continue free rod and reel catch and release fishing clinics and year-round environmental education programs through 2022. Winter workshops teach the public about fishing licenses and regulations, fisheries biology, types of rod-reels, knot tying, casting spinning and conventional rods, and using lures. Funding also will support curriculum on East River marine ecosystems in school-based classes.

HUDSON RIVER ESTUARY PROGRAM GRANT AWARDS 2019 (ROUND 30)

TOTAL: \$130,750

AWARDS ANNOUNCED DECEMBER 18, 2019

RIVER ACCESS

ORGANIZATION	COUNTY	AWARD	DESCRIPTION
Arm of the Sea Productions Inc.	Ulster	\$50,000	This funding will be used to reconstruct a wooden bulkhead and build an ADA-accessible bulkhead walkway on the tidal Esopus Creek at Arm-of-the-Sea Tidewater Center in Saugerties. The new walkway will provide public access to Esopus Creek for river education programs and enjoyment of nature.
Town of Esopus	Ulster	\$30,750	The survey and structural assessments at George H. Freer Memorial Beach and Lighthouse Park will help the town plan for universal access for canoeing, kayaking, and fishing, and for an accessible trail at Lighthouse Park. The improvements will enhance the park's long-term resiliency to sea-level rise and flooding.
Village of Hastings-on-Hudson	Westchester	\$50,000	The village will develop plans and designs for shoreline stabilization and stormwater management using nature-based shoreline principles and will create access to the Hudson River at MacEachron Park.