

## Lake Protection Program Grant Awards

Project Sponsor	Project Name	County	DNR Reg	Regional Contact	Grant Amt (State Share)	Local Share	Project Desc
ADAMS COUNTY	Adams Ordinance Imple. Assistance	Adams	WC	Buzz Sorge, 715-839-3794	\$31,500.00	\$10,500.00	The Adams County Land and Water Conservation Department proposes to contract with private businesses to contact 175 shoreland property owners on lakes within the county, and to facilitate their compliance with the county's new shoreland buffer ordinance. Major project elements to include: 1) Training for businesses hired, 2) Oversight of business performance, 3) Outreach to, and education of shoreland property owners, 4) Development of stormwater management plans, 5) Development of Shoreline Buffer Maintenance Agreements, 6) Update of the county's Riparian Buffer GIS Layer.
BAYFIELD COUNTY	Iron River and Delta Area Lakes Restoration Project	Bayfield	NO	Pamela Toshner, 715-635-4073	\$100,000.00	\$33,500.00	<p>Bayfield Co. is sponsoring a lakewide restoration project in the Iron River, Delta area lakes with emphasis on the Pike Chain including shoreline restorations; runoff and infiltration best management practices (BMPs); in-lake habitat improvement; technical/implementation assistance; BMP cost-share assistance; enrollment payments; promotion and education. The goal is to restore 3500 feet of shoreline frontage. County-owned Twin Bear Park will be a demonstration site with shoreline and in-lake habitat restoration, campsite consolidations and removal of impervious areas and structures within the buffer.</p> <p>All shoreline restorations using grant funds for implementation must have a Department approved restrictive covenant on the parcel that permanently establishes the vegetative buffer. Restorations will follow NR 191.24(3) standards unless mutually agreed to in writing with the regional lake coordinator before implementation. Parcels with runoff/infiltration BMPs other than shoreline restoration will have a maintenance, operation, and protection plan specified in a ten-year contract.</p> <p>Project deliverables include: project accomplishment/challenges summary; final shoreline restoration plans/maps for sites where implementation is partially or entirely funded by the Department; pre/post photos of funded restorations; list of property owners and parcels where restrictive covenants have been filed or copies of filed covenants; and examples of educational materials developed.</p> <p>Special conditions: covenant language needs approval before project begins, and applicable water regulation permits must be issued before construction activities commence.</p> <p>This scope summarizes the project detail provided in the application and does not negate tasks/deliverables described therein. Data, records, reports, and education materials, including GIS-based maps and digital images, must be submitted to the Department in a format specified by the regional lake coordinator.</p>

## Lake Protection Program Grant Awards

Project Sponsor	Project Name	County	DNR Reg	Regional Contact	Grant Amt (State Share)	Local Share	Project Desc
CITY OF MUSKEGO	Little Muskego- Holz Island Restoration	Waukesha	SE	Heidi Bunk, 262-574-2130	\$30,493.00	\$13,037.00	The City of Muskego will install a number of shoreline restoration best management practices on Holz Island, located on Little Muskego Lake. These include vegetated rip rap, coconut logs, tree drops, emergent shoreline plantings and prairie plantings. Existing invasive plant species on the island will be cleared and eradicated to the extent possible. Quantities, lengths and methods have been outlined in the grant application. The project deliverables include implementation of the grant application as well as a short report detailing accomplishments, hours spent, materials placed and a picture essay. The picture essay should include before, during and after pictures. Two paper and one electronic copy of the report should be submitted.
CITY OF TOMAH	Tomah Restoration	Monroe	WC	Buzz Sorge, 715-839-3794	\$68,155.50	\$22,718.50	The City of Tomah proposes to restore aquatic and fisheries habitat in Lake Tomah in Monroe County. Major project elements to include tree drops, placement of rip rap, establishment of rock bars and revegetation of disturbed areas and islands. Other elements to include monitoring for Aquatic Invasive Species, placement of AIS signage, Clean Boats/Clean Waters training and outreach.

## Lake Protection Program Grant Awards

Project Sponsor	Project Name	County	DNR Reg	Regional Contact	Grant Amt (State Share)	Local Share	Project Desc
DESAIR LAKE RESTORATION, INC.	Desair Lake Sediment Reduction & Habitat Improvement Project	Barron	NO	Pamela Toshner, 715-635-4073	\$99,993.75	\$33,331.25	<p>Desair Lake Restoration, Inc. in partnership with the Barron County Soil and Water Conservation Department will implement a project to reduce sedimentation to Desair Lake by remediating streambank erosion and slowing/infiltrating runoff through a series of management actions that will also improve habitat. These include: 1) grade, stabilize, rock toe, and plant intermittent, high flow tributary streams; 2) design/build erosion control and runoff best management practices (e.g. grass swales, rain garden, and/or shoreline restoration) at the public boat landing; 3) design/build grassed waterway and detention basins at higher elevations in the watershed; 4) restore hydrology to a previously drained 10-acre wetland; and 5) complete lake sediment alum dosing study.</p> <p>Special condition: Project design plans and landowner contracts need approval before project begins, and applicable water regulation permits must be issued before construction activities commence. Actions 1 through 4 listed above require operation and maintenance plans and contracts that must be recorded on the property owner's deeds.</p> <p>Deliverables: a final report summarizing the results of the implementation project and alum dosing study as well as copies of databases, maps, GIS files, or any other products associated with the project.</p> <p>This scope is intended to summarize the detailed project scope provided in the application and does not supersede those application tasks/deliverables. Data, records, reports, and educational materials, including GIS-based maps and digital images, must be submitted to the Department in a format specified by the regional lake coordinator.</p>

## Lake Protection Program Grant Awards

Project Sponsor	Project Name	County	DNR Reg	Regional Contact	Grant Amt (State Share)	Local Share	Project Desc
FRIENDS OF DEVIL'S LAKE STATE PARK	Devil's Lake Bottom Withdrawal Pipe Alterations	Sauk	SC	Susan Graham, 608-275-3329	\$36,000.00	\$12,000.00	<p>The Friends of Devil's Lake State Park propose this project to reconstruct the siphon pipe system at Devil's Lake State Park, Sauk County, by lowering the portion of the siphon that is above the ordinary high water mark (OHWM) lake level so that the pipe will flow as a gravity feed flow system whenever the lake level is above the OHWM. This entails digging up about 900' of the pipe, and lowering the highest point. An additional butterfly flow valve will be installed to provide control of the pipe for safety and operational purposes. Deliverables of this project will be a brief final report documenting that the project was completed, including photos of the project during construction.</p> <p>Special condition: The Sponsor agrees to abide by the "Conditions of Approval" contained in the Chapter 30 Regulated Activities manual code approval issued by the Department of Natural Resources on 6/6/06.</p>
GREEN LAKE SANITARY DISTRICT	Green Lake Sanitary District "ABA-East" Land Acquisition	Green Lake	NE	Mark Sesing, 920-485-3023	\$78,750.00	\$26,250.00	The Green Lake Sanitary District proposes to purchase 6.7 acres of land known as the "ABA-East" property.
GREEN LAKE SANITARY DISTRICT	Green Lake Sanitary District "ABA-West" Land Acquisition	Green Lake	NE	Mark Sesing, 920-485-3023	\$72,000.00	\$24,000.00	The Green Lake Sanitary District proposes to purchase 24.5 acres of land known as the "ABA-West" property.

## Lake Protection Program Grant Awards

Project Sponsor	Project Name	County	DNR Reg	Regional Contact	Grant Amt (State Share)	Local Share	Project Desc
IRON COUNTY	Amendment of Iron County Zoning Ordinance	Iron	NO	James Kreitlow, 715-365-8947	\$49,875.00	\$34,360.00	<p>Iron County recently completed a three year comprehensive planning process where all ten towns and the county adopted their own comprehensive plans. A major recommendation of these plans was to better protect the county's in-land lakes and other critical natural resources from development pressures.</p> <p>The county's current zoning ordinance (adopted nearly 40 years ago) is outdated and fails to adequately protect these important natural resources. In addition, the county has discovered that over 30% of the parcels in Iron County (over 4,000 parcels) are zoned inconsistent with the town comprehensive plans. Many of these parcels are located near lakes and in sensitive natural resource areas and are therefore not adequately protecting these resources.</p> <p>Project goals include: 1) Protect, conserve and encourage the efficient and responsible management of the unique forest, water, land and other natural resources of Iron County; 2) Review existing zoning and natural resource policies and regulations to ensure that they are consistent with the recommendations in the comprehensive plan; 3) Amend Iron County's zoning ordinance to provide consistent regulatory and enforcement mechanisms to protect vital resources (including lakes).</p> <p>Deliverables include: 1) Creation of an on-line interactive map service that will display the mapping information to enable the public to access the natural resource, land use and zoning information that was collected and organized into the county's GIS system; 2) Development of a written document explaining the recommended zoning text and map amendments; 3) Development of a new zoning ordinance including amendments to both the county zoning text and map.</p> <p>Specific conditions: 1) The WDNR will be provided electronic and hard copies of all data and or reports/plans generated as a result of this project; 2) Provide semi-annual progress reports to lakes coordinator.</p>

## Lake Protection Program Grant Awards

Project Sponsor	Project Name	County	DNR Reg	Regional Contact	Grant Amt (State Share)	Local Share	Project Desc
LITTLE ST. GERMAIN LAKE P & R DISTRICT	Restoring Shoreline Habitat on Lt. Saint Germain Lake	Vilas	NO	Kevin Gauthier, Sr., 715-365-8937	\$91,490.25	\$30,496.75	<p>Little St. Germain Lake P&amp;R District is sponsoring a project focused on restoring 500 meters of shoreline on Lt. St. Germain Lake. Partners include the USGS, VCLA, Vilas Co. LWCD, UW Ext., WDATCP, MI Tech Univ., &amp; WDNR.</p> <p>Activities include: 1) native vegetation restoration of 500 meters of shoreline &amp; &gt; 4000 sq. meters of lakeshore buffer; 2) terrestrial &amp; aquatic invasives survey &amp; treatment/removal on restored area; 3) evaluate ecological benefits of buffer restoration for wildlife &amp; fish pops.; 4) assess feasibility of using project to conduct experiments to quantify benefits of buffer re-establishment to reduce nutrient runoff; 5) conduct experiments to develop BMP's for shoreland restoration in the Upper Wisc. River Watershed &amp; Northern Highlands Ecological Landscape; 6) removal, replacement of retaining walls, impervious surfaces within buffer; installation of BMPs for runoff control; 7) repair shoreland erosion w/ biologically degradable materials; 8) tree drops &amp; aquatic macrophyte bed establishment; 9) demo. &amp; education activities including lake ecology workshops, meetings, pamphlets &amp; newsletters; 10) implement pollinator response surveys; 11) final report summarizing project activities including restoration before &amp; after photos.</p> <p>Deliverables: 1) 500 meters of restoration &amp; &gt;4000 sq. meters of buffer area; 2) invasives control; 3) installation of BMP's &amp; erosion control measures; 4) habitat improvements (tree drops &amp; macrophyte bed); 5) completed workshops, pamphlets &amp; newsletters; 6) final report (w/ BMP's &amp; nutrient run-off component).</p> <p>Specific conditions: Shoreling habitat restorations require perpetual deed restrictions; final report needs Dept. review &amp; approval.</p> <p>Lake Mgt. Coor will be provided with electronic (pdf or word) &amp; hard copy of final report &amp; coeips of pamphlets &amp; newsletters.</p>

## Lake Protection Program Grant Awards

Project Sponsor	Project Name	County	DNR Reg	Regional Contact	Grant Amt (State Share)	Local Share	Project Desc
PIPE & N PIPE LAKE P&R DISTRICT	Pipe Lakes Action Plan Implementation	Polk	NO	Pamela Toshner, 715-635-4073	\$199,936.58	\$66,645.52	<p>Pipe and North Pipe Lakes P&amp;R District will implement recommendations described in the Pipe Lakes Action Plan. Activities include: 1) repair/replace problem culverts and remediate erosion on intermittent tributaries; 2) design/build detention basins in subwatershed contributing the most pollution; 3) restore shorelines, integrating woody habitat; 4) implement residential diversion/infiltration BMPs (e.g. berms, rain gardens, rain barrels); 5) complete whole-lake, point-intercept aquatic plant surveys on both lakes; 6) monitor tributary and lake water quality and quantity; 7) information and education.</p> <p>Shoreline restoration parcels require a Department approved restrictive covenant that permanently establishes a vegetative buffer. Restorations will follow standards in NR 191.24(3) unless mutually agreed to in writing with the regional lake coordinator before implementation. Storm water BMPs will include maintenance and operation plans specified in a ten-year contract for each BMP site. The Department may perform site inspection and/or monitoring.</p> <p>Deliverables include: a report summarizing project activities, accomplishments and challenges; final shoreline restoration plans/maps for Department funded sites; pre/post photos of funded restorations; list of property owners and parcels committed to restrictive covenants or copies of signed covenants; aquatic plant survey results/report including associated spreadsheets and GIS files; water quality monitoring results; educational materials developed.</p> <p>Special conditions: project design plans and landowner contracts need approval before project begins; water regulation permits must be issued before construction.</p> <p>This scope summarizes the scope in the grant application and does not supersede those application tasks/deliverables. Data, records, reports, educational materials, including GIS-based maps and digital images, must be submitted in a format specified by the regional lake coordinator.</p>
PORTAGE COUNTY	Portage Lakes Class 3	Portage	WC	Buzz Sorge, 715-839-3794	\$50,000.00	\$16,667.00	<p>Portage County seeks to implement Phase 3 of its lake management planning efforts for 17 lakes in Portage County to help facilitate county-wide lake protection planning. Major project elements to include: 1) individual lake resident/user surveys and plan development, 2) web-based reporting system, 3) build-out assessment and predictive modeling, 4) development of guide for local boards and commissions, 5) final project report.</p>

## Lake Protection Program Grant Awards

Project Sponsor	Project Name	County	DNR Reg	Regional Contact	Grant Amt (State Share)	Local Share	Project Desc
PORTAGE COUNTY	Portage Lakes Class 4	Portage	WC	Buzz Sorge, 715-839-3794	\$50,000.00	\$16,667.00	Portage County seeks to implement Phase 4 of its lake management planning efforts for 17 lakes in Portage County to help facilitate county-wide lake protection planning. Major project elements to include: 1) individual lake resident/user surveys and plan development, 2) web-based reporting system, 3) build-out assessment and predictive modeling, 4) development of guide for local boards and commissions, 5) final project report.
WAUSHARA COUNTY	Waushara County Lake Classification Project	Waushara	NE	Mark Sesing, 920-485-3023	\$50,000.00	\$19,574.00	Waushara "County proposes to conduct a phased lake class project leading to implementation; this scope is for Phase 1. The ultimate purpose of this study is to provide long term benefits to the community by protecting and improving water quality and habitat in and near Waushara County lakes. Efforts will lead to a County-wide Lake Management Plan that will drive the development of lake specific planning and subsequent implementation. This is a 3 phase project leading up to implementation in phase 4. Phase 1 - Includes 2 primary objectives: Lake plan appraisals on 97 lakes; 31 w/ public access; and Shore zone appraisals on 31 public access lakes. Objective 1- An inventory and appraisal of the status of current lake management plans within the county: Content evaluation - criteria for implementation; status of plan actions/development - stage of completion and efficacy; appraisal of management capacity and partnerships; appraisal of financial viability; and appraisal of need for planning (for lakes w/o plans). Objective 2 - An appraisal of shoreline and shore land conditions on a suite of lakes: Identify and inventory natural features and critical habitat; characterize lake development status; and identify, inventory, and prioritize erosion, sediment/nutrient delivery sites. Deliverables will include a status Report for Lake Management Plans and appraisal Report of Shore Zone Condition.
<b>Total Awards: 14</b>		<b>Total \$ awarded in time period listed above:</b>			<b>\$1,008,194.08</b>		