

Lake Planning Program Grant Awards

Project Sponsor	Project Name	County	DNR Regional Reg	Contact	Grant Amt (State Share)	Local Share	Project Desc
ASHLAND GALILEE LAKE ASSOCIATION 15	Lake Galilee Water Quality & Plant Montiroign	Ashland	NO	Pamela Toshner, 715-635-4073	\$2,500.60	\$1,280.00	<p>Galilee Lake Association is initiating an expanded water quality, habitat, and education & outreach project in partnership with Ashland County. Volunteers will collect expanded water quality data via the Citizen Lake Monitoring Network. This grant project will fund water quality data collection beyond CLMN, including pH, dissolved oxygen and temperature profiling with a meter, and continuous temperature monitoring. Other activities include purple loosestrife and aquatic plant monitoring and education & outreach with lakeshore property owners and local partners. Deliverables include: all water quality data entered into SWIMS, a summary of the grant project activities and results, and examples of education & outreach materials.</p> <p>Special condition: technical assistance and field testing donated services must be for water quality monitoring and other activities that are beyond the scope of WDNR's Citizen Lake Monitoring Network.</p>
BEAVER DAM LAKE MANAGEMENT DISTRICT	Library Lake Southwest Stormwater Wetland Project	Barron	NO	Alex Smith, 715-635-4124	\$24,120.00	\$11,880.00	<p>The Beaver Dam Lake Management District is sponsoring a project to develop a storm water design plan in the City of Cumberland for the southwest side of Library Lake.</p> <p>The final deliverables include all data collected, land acquisition strategy, facility preliminary design plans, modeling results, budget and construction strategy, and wetland inventory and restoration plan.</p> <p>Specific project tasks include: 1) Land access & acquisition investigation; 2) Wetland, geotechnical, & utility investigation; 3) Topographic & watershed analysis; 4) Design schematic; 5) BMP & water quality modeling; 6) Wetland restoration & invasive species strategy.</p> <p>This scope summarizes the project detail provided in the application and does not negate tasks/deliverables described therein. Data, records, and reports, including GIS-based maps, and digital images, must be submitted to the Department in a format specified by the regional Lake Biologist.</p>

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BEAVER DAM LAKE MANAGEMENT DISTRICT	Moser Field Stormwater Facility Project	Barron	NO	Alex Smith, 715-635-4124	\$24,287.50	\$11,962.50	<p>The Beaver Dam Lake Management District is sponsoring a project to develop a storm water design plan in the City of Cumberland at Moser Field.</p> <p>The final deliverables include all data collected, land acquisition strategy, facility preliminary design plans, modeling results, budget and construction strategy, and storm water outfall/lakeshore habitat inventory and restoration plans.</p> <p>Specific project tasks include: 1) Land access & acquisition investigation; 2) Wetland, geotechnical, & utility investigation; 3) Topographic & watershed analysis; 4) Design schematic; 5) Outfall assessment & lakeshore habitat restoration; 6) BMP & water quality modeling.</p> <p>This scope summarizes the project detail provided in the application and does not negate tasks/deliverables described therein. Data, records, and reports, including GIS-based maps, and digital images, must be submitted to the Department in a format specified by the regional Lake Biologist</p>
BIG ROUND LAKE PROTECTION AND REHAB DISTRICT	Big Round Lake Comprehensive Lake Mangement Plan Update	Polk	NO	Alex Smith, 715-635-4124	\$3,000.00	\$2,520.00	<p>Big Round Lake District is sponsoring a project to develop a Comprehensive Lake Management Plan for Big Round Lake.</p> <p>The final deliverables include all data collected, agendas and minutes for planning meetings, and a lake management plan that includes methodologies, results, and management alternatives discussion with an implementation plan.</p> <p>This scope summarizes the project detail provided in the application and does not negate tasks/deliverables described therein. Data, records, and reports, including GIS-based maps, and digital images, must be submitted to the Department in a format specified by the regional Lake Biologist.</p>

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BONE LAKE MANAGEMENT DISTRICT	Bone Lake Internal Load Study & Comprehensive Plan Update	Polk	NO	Alex Smith, 715-635-4124	\$24,669.35	\$12,150.57	<p>The Bone Lake Management District is sponsoring a project to monitor fisheries, wildlife, and watershed and in lake water quality.</p> <p>The final deliverables include all data collected, examples of education and outreach materials, agendas and minutes for planning meetings, watershed BMP designs, and an updated water quality strategy that includes results of the watershed and internal loads studies.</p> <p>Specific project tasks include: 1) Watershed & in lake water quality monitoring; 2) Fish & wildlife monitoring; 3) Sediment core collection & analysis; 4) Watershed BMP design.</p> <p>Special Conditions: 1) CLMN efforts should not be duplicated, and these data shall be included in the trends analysis and final reporting; 2) All data shall be entered into the SWIMS database as appropriate.</p> <p>This scope summarizes the project detail provided in the application and does not negate tasks/deliverables described therein. Data, records, and reports, including GIS-based maps, and digital images, must be submitted to the Department in a format specified by the regional Lake Biologist.</p>
BONE LAKE MANAGEMENT DISTRICT	Bone Lake Management Plan Update	Polk	NO	Alex Smith, 715-635-4124	\$2,974.80	\$1,465.20	<p>Bone Lake Management District is sponsoring a project to develop a Comprehensive Lake Management Plan for Bone Lake.</p> <p>The final deliverables include all data collected, agendas and minutes for planning meetings, and a lake management plan that includes methodologies, results, and management alternatives discussion with an implementation plan.</p> <p>This scope summarizes the project detail provided in the application and does not negate tasks/deliverables described therein. Data, records, and reports, including GIS-based maps, and digital images, must be submitted to the Department in a format specified by the regional Lake Biologist.</p>

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BUFFALO LAKE PROTECTION & REHAB DISTRICT	Buffalo Lake Mgmt Plan Update	Marquette	NE Ted M Johnson, 920-787-4686	\$25,000.00	\$12,761.31	<p>Buffalo Lake Protection and Rehabilitation District is sponsoring a large scale planning grant focused on updating and rewriting sections of their lake management plan following a 2 year drawdown of the lake to replace the dam. Project activities include:</p> <ul style="list-style-type: none"> • Phosphorus loading using WiLMS • Immediate shoreline survey • Course woody debris survey • Water quality assessment • Various aquatic plant surveys • Stakeholder survey <p>Project deliverables include: Comprehensive Lake Management Plan including the following:</p> <ul style="list-style-type: none"> • Phosphorus loading estimates from watershed (WiLMS) <ul style="list-style-type: none"> o Scenarios developed to assess how changes in watershed would impact water quality o Internal load estimates • Immediate shoreline survey o Map delineating the shoreline from water's edge to about 35' shoreward o Coarse woody debris map • Water quality assessment <ul style="list-style-type: none"> o Sample collection 6 times per year following WDNR long term trend monitoring protocol o Chemistry analysis o Dissolved oxygen and temperature profiles o Carlson TSI • Aquatic plant surveys <ul style="list-style-type: none"> o Early season AIS survey o Point Intercept survey o EWM peak-biomass survey o Aquatic plant community mapping survey z Maps/raw data for all surveys o Comparison with past surveys • Web-based stakeholder survey <ul style="list-style-type: none"> o Survey results • Work with the lake stakeholders to possibly develop a water level management plan • Management, protection, enhancement alternatives and recommendations <ul style="list-style-type: none"> o Tangible o Realistic o Including possible funding sources <p>This scope summarizes the project detail provided in the application and does not negate tasks/deliverables described therein. Data, records, and reports, including GIS-based maps and digital images, must be submitted to the Department in a format specified by the regional lake coordinator.</p> <p>Final plan needs Department review and approval.</p>

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CHURCH PINE ROUND & BIG LAKE P & R DISTRICT	Big Lake Internal Load Study		NO	Alex Smith, 715-635-4124	\$2,987.83	\$1,471.62	<p>The Church Pine, Round, and Big Lake P&R District is sponsoring a project to assess the internal load in Big Lake.</p> <p>The final deliverables include all data collected, updated nutrient budget, and updated implementation strategy.</p> <p>Specific Phase 1 project tasks include: 1) In-Lake water quality monitoring; 2) Quantify lake nutrient budget; 3) Implementation strategy.</p> <p>Special Conditions: CLMN efforts should not be duplicated, and these data shall be included in the trends analysis and final reporting.</p> <p>This scope summarizes the project detail provided in the application and does not negate tasks/deliverables described therein. Data, records, and reports, including GIS-based maps, and digital images, must be submitted to the Department in a format specified by the regional Lake Coordinator.</p>
CITY OF DELAFIELD	Lake Protection Plan for Lake Nagawicka	Waukesha	SE	Heidi Bunk, 262-574-2130	\$16,066.90	\$7,913.55	<p>The City of Delafield will hire a contractor to conduct a point intercept plant survey and update the aquatic plant management plan. The project deliverable will be a plan that contains the following elements: 1) Raw data from the plant survey (to be provided electronically) ; 2) maps showing the distribution and density of each aquatic plant found in the survey; 3) an updated aquatic plant management plan discussing chemical, manual harvesting and appropriate mechanical harvesting options; 4) watershed analysis; 5) an examination of the stream bank erosion on the Bark River inlet; 6) water quality assessment; 7) sediment depth mapping; 8) summary air photo with specific recommendations for watershed and shoreline restoration projects; and 9) a specific action plan to implement recommendations. A draft report should be provided to the Department for review before finalizing the plan. Additional details regarding the project deliverables are outlined in section E of the project grant application. Two paper copies and 1 electronic copy of the final plan should be provided to the Department upon project completion.</p>
CITY OF MADISON	Warner Lagoon Planning	Dane	SC	Susan Graham, 608- 275-3329	\$25,000.00	\$15,720.00	<p>The City of Madison will develop a comprehensive plan to improve the aquatic and nearshore habitat of Warner Park Lagoon, Dane County, while maintaining beneficial functions that it provides to Lake Mendota. Monitoring includes surveys of topography and aquatic plants, wetland delineations, water quality monitoring, shoreline assessment and hydraulic analyses. They will develop alternatives to mitigate effects of stormwater runoff, and explore options to improve aquatic and terrestrial habitat. The plan will provide direction for future projects to improve the Lagoon habitat, while protecting Lake Mendota. Input from the public and local nonprofits groups will be welcomed through public meetings and city website.</p>

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CLEAN LAKES ALLIANCE	Near Shore Water Quality Monitoring	Dane	SC	Susan Graham, 608-275-3329	\$3,000.00	\$19,608.00	Clean Lakes Alliance will run a program to increase near-shore water quality monitoring in the Madison Lakes in 2015 to help with beach closure timeliness, and improve ability of the public to make decisions about swimming. They will recruit, train and equip lifeguards or volunteers monitor a minimum of 6 and up to a maximum of 16 public beaches, with a focus on once per week E. coli sampling. In addition, up to 44 citizen volunteers will do weekly end-of-pier assessments of turbidity, temperature and blue green algae presence. Samples will be collected and delivered to the city-county health lab. Data will be analyzed and shared with researchers at UW Madison who are interested in modeling algae blooms within near-shore areas, and made available to the public on a mobile-ready website. Also, a community presentation will be given at the end of the season to discuss findings and recommendations, and a final report, including raw data, will be submitted to the department.
CLEAN LAKES ALLIANCE	Yahara Lakes and Beaches Mobile-Ready Website Development	Dane	SC	Susan Graham, 608-275-3329	\$3,000.00	\$16,500.00	Clean Lakes Alliance will develop a website for mobile-phone use particularly by users of the Madison Lakes to get up-to-date information about lake water quality in the nearshore area, which has been collected and reported by an existing volunteer and municipal lifeguard network. This will allow the public to be better informed of risks and opportunities for lake recreation. They will deliver a user-friendly website that displays real-time information about public beaches and near-shore waters, and a final report with recommendations for improving monitoring, partner collaboration, data entry, user-interface, and information sharing. They will also hold meetings with various local entities to evaluate the program and strengthen partnerships. Data summaries will be shared with participants, researchers and other interested people. At least one community presentation will be given at the end of the season.
COLUMBIA COUNTY LWCD	Lake Managment Plan Dev- Swan Lake		SC	Susan Graham, 608-275-3329	\$17,846.00	\$9,185.00	Columbia County Land & Water Conservation Department will develop a citizen-input based lake management plan for Swan Lake, Columbia County. Data collected includes near-shore fish survey, water chemistry sampling, and a shoreland health inventory. The planning team will compile sport fishery data, water quality data, and other historical information. They will also draft a slow-no-wake emergency ordinance to help protect shorelines during high water events. A sociological survey and numerous public meetings will invite public input, as well as serve as a venue to share results. The final report will be posted on the Columbia County LWCD website.

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DANE COUNTY	Evaluation of Floating Bog Initiative as fish habitat	Dane	SC	Susan Graham, 608-275-3329	\$3,000.00	\$3,360.00	Dane County Land & Water Conservation Department will monitor small, non-game fish that may be utilizing the Floating Bog Interceptor structures in Cherokee Marsh, Dane County. Cherokee Marsh, a key estuary of Lake Mendota, has been the subject of much chemistry monitoring. Carp tend to dominate the limnetic zone, but no studies have examined whether remnant populations of small fish may still be living in the lake. If they are, they are likely near the FBI's. This monitoring effort will investigate this. The nearshore fish are important indicators of lake health and water quality, and this evaluation will assist lake managers in ongoing efforts to improve the Yahara Chain of Lakes. Information will be shared with the department, Friends of Cherokee Marsh, and the University, as well as posted on the Dane County website.
DEEP LAKE ASSOCIATION	Deep Lake Tributary Study	Washburn	NO	Pamela Toshner, 715-635-4073	\$2,983.00	\$2,231.99	<p>Deep Lake Association is conducting a tributary loading study in partnership with DNR. Volunteers will monitor six sites and complete expanded lake water quality monitoring to better understand tributary loading and lake condition/response. The final deliverable will be a report describing phosphorous loads and sources with options to reduce loading. All data collected, including temp/DO profiles and flow measurements, must be entered into SWIMS.</p> <p>The specific objectives, metrics, and deliverables for the listed activities are included in the application and supporting materials, and this scope is not intended to replace or supersede those documents</p>
DEERSKIN LAKE ASSOCIATION	Deerskin Lake Aquatic Plant Studies	Vilas	NO	Kevin Gauthier, Sr, 715-365-5211	\$2,780.50	\$1,369.50	<p>Deerskin Lake Association is sponsoring a SPL grant to study Deerskin Lake in Vilas County. The project will focus on studying the aquatic plant community and developing a summary report.</p> <p>Project activities include: 1) Aquatic plant surveys (PI survey, acoustic, community mapping, substrate mapping); 2) Data analysis; 3) Summary report.</p> <p>Project deliverables include: 1) PI data; 2) Aquatic plant community and substrate maps; 3) Summary report.</p> <p>Specific conditions or this project: Draft of summary report needs Dept review and approval.</p> <p>WDNR Lakes Management Coordinator will be provided with an electronic (pdf or word) copy of summary report and all data and maps from the project.</p>

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FRIENDS OF MOOSE LAKE	Comprehensive Lake Management Plan - Moose Lake	Langlade	NO James Kreitlow, 715-365-8947	\$22,954.00	\$11,307.00	<p>The Friends of Moose Lake is sponsoring a project to complete a Lake Management Plan. Project goals include: 1) Research/compile existing physical, biological, and social data to compare with newly collected data; 2) Collect new water quality data to meet objectives of WISCALM Tier 1 baseline monitoring strategy; 3) Assess aquatic macrophyte community condition; 4) Include stakeholders in management planning, data collection/monitoring, and education events; 4) Survey residents for recreational and lake concerns; 5) Begin long-term water level monitoring; 6) Determine current status of the lake's fish population and angler satisfaction levels; 7) Review local institutional programs; 8) Assess shoreline condition collecting development density information, presence/absence of fish and wildlife critical habitat and in-lake course woody structure; 9) Analyze land-use and identify potential critical sites of nutrient/sediment loads within the lake watershed.</p> <p>Project deliverables include: 1) Summary of lake user survey results; 2) Project related newsletter article(s); 3) Summary of water level data for 2 field seasons; 4) Summary of water quality lab chemistry results; 5) Point-intercept aquatic macrophyte data and frequency in table form; 6) Angler diary information compiled into a visual summary; 7) Map of immediate watershed with potential critical areas identified; 8) Final written comprehensive lake management plan with management recommendation; 9) Listing and map of shore land management ranks per parcel; 10) Written review of the county resource management plan and sharing of project results for incorporation into county plan updates; 11) Final report and close out materials, including budget items.</p> <p>Specific project conditions: semi-annual progress reports submitted to WDNR; WDNR review of draft Lake Management Plan; The WDNR will be provided electronic and hard copies of all data and or reports/plans generated as a result of this project.</p>
GEORGE LAKE REHABILITATION DISTRICT	2015 Nutrient Load Analysis	Kenosha	SE Heidi Bunk, 262-574-2130	\$1,191.64	\$586.92	<p>The George Lake Rehabilitation District will continue a previously started sampling effort to study nutrients in 4 tributaries to George Lake. Samples will be taken on two separate days following rain events. Flow rate will be determined at each sampling site on each sampling date. Samples will be taken for total phosphorus, orthophosphate, chloride, suspended solids and nitrate/nitrite. The project deliverable will be a short report that contains a description of field methods, compiles the data from this grant as well as data collected previous to this grant, a discussion of what the data does and does not resolve and a discussion of next steps. A draft of the report shall be provided to both Heidi Bunk and Craig Helker prior to finalizing the report. Two paper copies and 1 electronic copy of the report should be provided to the Department.</p>

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GLEN LAKE ASSOCIATION	Glen Lake Management Plan	Marinette	NE Brenda L Nordin, 920-662-5435	\$11,135.71	\$5,484.75	<p>The Glen Lake Association proposes to complete a Comprehensive Management Plan on Glen Lake during the period 2015-2017. The project elements and deliverables are specified in the Glen Lake Association's Lake Protection Grant application, dated December 10, 2014.</p> <p>The elements of the grant project include(a) An assessment of the lake's historical water quality, including at least one year of current base line limnological data. (b) An identification of the water quality problems or threats to lake water quality including degradation of fish habitat and wetlands caused by nonpoint sources of pollution in the watershed. (c) An assessment of the lake's fishery and aquatic habitat including the extent of the lake area covered by aquatic plants and a characterization of the shoreline habitat and any known ecological relationships. (d) An identification of the need for the protection and enhancement of fish and wildlife habitat, endangered resources, aesthetics or other natural resources. (e) An assessment of the lake's watershed including: 1. A description of land uses listing each land use classification as a percentage of the whole and an estimate of the amount of nonpoint pollution loading produced by each category. 2. Identification and ranking of the most significant nonpoint source types and contributing areas. 3. A listing of known point sources of pollution affecting the lake or that have affected the lake. 4. A characterization of the habitat conditions and any known ecological relationships. 5. A description of the institutional framework affecting management of the lake including, local government jurisdictional boundaries, plans, ordinances including an analysis of the need for adoption of local ordinances for lake protection.</p> <p>NR 191.45(2)(f) -191.45(2)(j))</p>

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HALSEY LAKE ASSOCIATION	Halsey Lake Comprehensive Lake Management Plan	Florence	NO	James Kreitlow, 715-365-8947	\$23,287.17	\$11,469.80	<p>The Halsey Lake Association is sponsoring a project to complete a comprehensive Lake Management (CLM) Plan with the following goals: 1) Determine lake plant community diversity; 2) Monitor and prevent AIS spread into Halsey Lk; 3) Maintain and improve recreational opportunities; 4) Help the County achieve County Land and Water Resource plan objectives; 5) Define watershed and nutrient loading issues internal and external; 6) Identify factors that can reduce lake nutrient loading; 7) Produce ground and surface water mass balance equation by collecting inflow/outflow data; 8) Identify, protect, designate and improve critical fish and wildlife habitat sensitive areas; 9) Evaluate water quality and seasonal water level variations, address concerns/solutions; 10) Educate lake users and association members on AIS.</p> <p>Project deliverables include: CLM Plan including all necessary NR specific items and the following elements: 1) Lake information (water quality, watershed, fisheries); 2) Lake user survey of public perception and goals, with statistical results; 3) Aquatic plant communities; 4) Aquatic plant issues/concerns; 5) AIS monitoring and rapid response protocol; 6) Historical lake management; 7) Ground and surface water inflow/outflow mass balance model; 8) Lake ecosystem management alternatives, triggers and action items; 9) Sensitive area/critical habitat identification and designation; 10) Water quality assessment and recommendations; 11) Water level issues and possible solutions; 12) Watershed evaluation and nutrient loading analysis; 13) Fisheries assessment and recommendations; 14) Shoreland habitat and buffer restoration/preservation recommendations; 15) Monitoring and evaluation – who, what, when and where; 16) Public education; 17) CB/CW activities.</p> <p>Specific project conditions: WDNR review of the draft of the Lake Management Plan; WDNR will be provided electronic and hard copies of data and reports/plans generated as a result of this project.</p>
JEFFERSON CO LWCD	Rock Lake Shoreland and Shallows Survey	Jefferson	SC	Susan Graham, 608-275-3329	\$3,000.00	\$3,580.00	<p>Jefferson County Land & Water Conservation Department will undertake and survey of the shoreline and shallow areas of Rock Lake. Initially, the LWCD will work the department and with UW Stevens Points experts to determine final survey methodology. The survey will identify properties in need of erosion control or other conservation practices, and encourage those riparians to take part in future outreach and assistance. The survey will document existing habitat or habitat problems around the shoreline, as well as prepare for a Healthy Lakes grant application. Pre- and post-survey communications with riparians and the public will draw attention to the issue of shoreline habitat protection and improvement. A final report will document the outreach that occurred, and include raw and summarized data from the project.</p>
LAKE HOLCOMBE IMPROVEMENT ASSOCIATION INC.	Hammit Bay Algae	Chippewa	WC	Buzz Sorge, 715-839-3794	\$3,000.00	\$3,000.00	<p>The Lake Holcombe Improvement Association proposes to hire a consulting firm to design and document proposed installation of a culvert to increase water flow between Hammet Bay and Lake Holcombe, thus reducing potential growth of Blue Green Algae. Major project elements to include: 1) Consulting Services, 2) Final Report.</p>

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LAKE PUCKAWAY PROTECTION & REHAB DISTRICT	Lake Puckaway Comprehensive Management Plan	Green Lake	NE Ted M Johnson, 920-787-4686	\$21,940.00	\$14,110.00	<p>Lake Puckaway Protection and Rehabilitation District is sponsoring a large scale planning grant focused on updating and rewriting sections of their lake management plan.</p> <p>Project activities include: Phosphorus loading using WiLMS, Shoreline survey, Course woody debris survey, Water quality assessment, Various aquatic plant surveys, Stakeholder survey</p> <p>Project deliverables include: Comprehensive Lake Management Plan including the following: Research and review past data and relevant lake management records, Phosphorus loading estimates from watershed (WiLMS), Scenarios developed to assess how changes in watershed would impact water quality, Internal load estimates, Shoreline survey, Map delineating the integrity of the shoreline from water's edge to about 35' shoreward, Coarse woody debris map, Water quality assessment, Sample collection following WDNR long term trend monitoring protocol, Chemistry analysis, Dissolved oxygen and temperature profiles, Carlson TSI, Aquatic plant surveys, Early season AIS survey, Point Intercept survey, EWM peak-biomass survey, Aquatic plant community mapping survey, Maps/raw data for all surveys, Comparison with past surveys, Web-based stakeholder survey, Survey results, Develop a water level management plan, Plan must consider the potential new dam that may be constructed, Frequency, degree and duration of drawdowns, Recommendations based on best possible science and stakeholder input, Management, protection, enhancement alternatives and recommendations, Set tangible and realistic management goals, Identify possible ecological restorative projects, Identify possible funding sources.</p> <p>This scope summarizes the project detail provided in the application and does not negate tasks/deliverables described therein. Data, records, and reports, including GIS-based maps and digital images, must be submitted to the Department in a format specified by the regional lake coordinator. Final plan needs Department review and approval.</p>

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PICKEREL CHAIN LAKES ASSOCIATION	Pickerel Chain Mngt Plan, Pickerel Lake Phase	Oconto	NE Brenda L Nordin, 920- 662-5435	\$12,371.86	\$6,093.61	<p>The Pickerel Chain Lake Association proposes to complete a Comprehensive Management Plan on Pickerel Lake during the period 2015-2017. The project elements and deliverables are specified in the Pickerel Chain Lake Association's Lake Protection Grant application, dated December 9, 2014. The elements of the grant project include:(a) An assessment of the lake's historical water quality, including at least one year of current base line limnological data. (b) An identification of the water quality problems or threats to lake water quality including degradation of fish habitat and wetlands caused by nonpoint sources of pollution in the watershed. (c) An assessment of the lake's fishery and aquatic habitat including the extent of the lake area covered by aquatic plants and a characterization of the shoreline habitat and any known ecological relationships. (d) An identification of the need for the protection and enhancement of fish and wildlife habitat, endangered resources, aesthetics or other natural resources. (e) An assessment of the lake's watershed including: 1. A description of land uses listing each land use classification as a percentage of the whole and an estimate of the amount of nonpoint pollution loading produced by each category. 2. Identification and ranking of the most significant nonpoint source types and contributing areas. 3. A listing of known point sources of pollution affecting the lake or that have affected the lake. 4. A characterization of the habitat conditions and any known ecological relationships.</p> <p>NR 191.45(2)(f) (f) thru NR 191.45(2)(f)(N)</p> <p>The project also includes conducting Point Intercept surveys using the DNR Aquatic Plant Treatment Evaluation Protocol http://www4.uwsp.edu/cnr/uwexlakes/ecology/APM/Appendix-D.pdf , in addition to lake bathymetry mapping.</p>
PICKEREL CHAIN LAKES ASSOCIATION	Pickerel Chain Mngt Plan-Smoke & Little Pickerel	Oconto	NE Brenda L Nordin, 920- 662-5435	\$22,488.30	\$11,076.33	<p>The Pickerel Chain Lake Association proposes to complete a Comprehensive Management Plan on Smoke and Little Pickerel Lakes during the period 2015-2017. The project elements and deliverables are specified in the Pickerel Chain Lake Association's Lake Protection Grant application, dated December 9, 2014. The deliverables of the grant project will include all elements listed under NR 198.43 (1)</p> <p>The grant also includes conducting Point Intercept surveys using the DNR Aquatic Plant Treatment Evaluation Protocol http://www4.uwsp.edu/cnr/uwexlakes/ecology/APM/Appendix-D.pdf , in addition to lake bathymetry mapping.</p> <p>If consultant is to provide the final report, it is recommended that the Grantee provide the DNR Lake Coordinator with a draft for comment on report adequacy prior to making final payment to the consultant. DNR will be provided both paper and electronic .pdf copies of the final report along with, or prior to, submission of grantee's final payment request. All information associated with this project is subject to public record.</p>

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PIPE & N PIPE LAKE P&R DISTRICT	Water Quality Monitoring & Comprehensive Plan Update	Polk	NO	Alex Smith, 715-635-4124	\$22,815.98	\$11,237.72	<p>The Pipe and North Pipe Lakes P&R District is sponsoring a project to develop a Comprehensive Lake Management Plan for Pipe and North Pipe Lakes.</p> <p>The final deliverables include all data collected, agendas and minutes for planning meetings, and a lake management plan that includes methodologies, results, and management alternatives discussion with an implementation plan.</p> <p>Specific project tasks include: 1) In-Lake water quality & phytoplankton monitoring; 2) Sediment core collection & analysis; 3) Lake level & precipitation monitoring; 4) Conduct sociologic survey; 5) Shoreline inventory/mapping; 6) Watershed & land use delineation; 7) Management planning meetings.</p> <p>Special Conditions: 1) CLMN efforts should not be duplicated, and these data shall be included in the trends analysis and final reporting; 2) All data shall be entered into the SWIMS database; 3) Draft sociological/user surveys and shoreline assessments must be reviewed and approved by the Department before being initiated.</p> <p>This scope summarizes the project detail provided in the application and does not negate tasks/deliverables described therein. Data, records, and reports, including GIS-based maps, and digital images, must be submitted to the Department in a format specified by the regional Lake Biologist.</p>
RED LAKES MANAGEMENT DISTRICT	Red Lakes Management Plan	Shawano	NE	Brenda L Nordin, 920-662-5435	\$24,671.72	\$12,151.74	<p>The Red Lakes Management District proposes to update their Comprehensive Management Plan on Upper and Lower Red Lakes during the period 2015-2017. The project elements and deliverables are specified in the Red Lakes Management District Lake Protection Grant application, dated December 9, 2014. The deliverables of the grant project will include all elements listed under NR 198.43 (1)</p> <p>The grant also includes conducting Point Intercept surveys using the DNR Aquatic Plant Treatment Evaluation Protocol http://www4.uwsp.edu/cnr/uwexlakes/ecology/APM/Appendix-D.pdf , in addition to lake bathymetry mapping.</p> <p>If consultant is to provide the final report, it is recommended that the Grantee provide the DNR Lake Coordinator with a draft for comment on report adequacy prior to making final payment to the consultant. DNR will be provided both paper and electronic .pdf copies of the final report along with, or prior to, submission of grantee's final payment request. All information associated with this project is subject to public record.</p>

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SIGURD OLSON ENVIRONMENTAL INSTITUTE	Comprehensive Management Planning Project for Eureka Lake	Ashland	NO	Pamela Toshner, 715-635-4073	\$24,878.77	\$12,253.72	<p>Sigurd Olson Environmental Institute is sponsoring a comprehensive lake monitoring and management planning project on Eureka Lake and East and West Twin Lakes. Activities include: aquatic plant, shoreland, water quality and quantity, and tributary loading monitoring; watershed mapping and modeling; sociological surveying; and planning with local stakeholders. The project includes regular public participation/engagement and education and outreach. All data collected, including lab results, must be entered into SWIMS. The final deliverable will be a comprehensive lake management plan.</p> <p>Water quality samples collected as part of this project will have analysis completed by the Applied Research and Environmental Laboratory at Northland College. The Department releases the project sponsor from condition #6 under Project Activities of the standard grant contract.</p> <p>The specific objectives, metrics, and deliverables for the listed activities are included in the application and supporting materials, and this scope is not intended to replace or supersede those documents.</p>
SIGURD OLSON ENVIRONMENTAL INSTITUTE	Comprehensive Management Planning for Caroline Lake	Ashland	NO	Pamela Toshner, 715-635-4073	\$24,878.77	\$12,253.72	<p>Sigurd Olson Environmental Institute is sponsoring a comprehensive lake monitoring and management planning project on Caroline Lake. Activities include: aquatic plant, shoreland, water quality and quantity, and tributary loading monitoring; watershed mapping and modeling; sociological surveying; and planning with local stakeholders. The project includes regular public participation/engagement and education and outreach. All data collected, including lab results, must be entered into SWIMS. The final deliverable will be a comprehensive lake management plan.</p> <p>Water quality samples collected as part of this project will have analysis completed by the Applied Research and Environmental Laboratory at Northland College. The Department releases the project sponsor from condition #6 under Project Activities of the standard grant contract.</p> <p>The specific objectives, metrics, and deliverables for the listed activities are included in the application and supporting materials, and this scope is not intended to replace or supersede those documents.</p>

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SILVER LAKE P & R DISTRICT	Lake Protection Plan for Silver Lake	Washington	SE	Heidi Bunk, 262-574-2130	\$6,786.17	\$3,342.44	The Silver Lake P&R District will hire a contractor to conduct a point intercept plant survey and update the aquatic plant management plan. The project deliverable will be a plan that contains the following elements: 1) Raw data from the plant survey (to be provided electronically) ; 2) maps showing the distribution and density of each aquatic plant found in the survey; 3) an updated aquatic plant management plan discussing chemical, manual harvesting and appropriate mechanical harvesting options; 4) watershed analysis; 5) ground-watershed analysis; 6) water quality assessment; 7) sediment depth mapping; 8) summary air photo with specific recommendations for watershed and ground-watershed projects and 9) a specific action plan to implement recommendations. Additional details regarding the project deliverables are outlined in section E of the project grant application. A draft report should be provided to the Department for review before finalizing the plan. Two paper copies and 1 electronic copy of the final plan should be provided to the Department upon project completion.
ST. CROIX COUNTY	Perch Plan, Bass Update	St. Croix	WC	Buzz Sorge, 715-839-3794	\$22,375.00	\$11,167.28	The St. Croix County Community Development Department proposes to create a comprehensive management plan for Perch Lake and update the management plan for Bass Lake. Major project elements to include: 1) Sociological survey, 2) Review of existing studies, 3) Updated land use mapping, 4) Ordinance review, 5) Plan development, update, 6) Final report.
TANTER/MENOMIN LAKE IMPROVEMENT ASSOCIATION	Civic Org. Training	Dunn	WC	Buzz Sorge, 715-839-3794	\$18,800.00	\$35,271.00	The Tainter-Menominee Lake Improvement Assoc. proposes to hire a consultant and proceed with training and organization of a basin-wide water resource management and citizen involvement effort serving the Red Cedar and St. Croix River basins. Major project element to include: 1) Training, 2) Outreach, 3) Planning meetings, and 4) monthly and final reports.
TRI-LAKES MANAGEMENT DISTRICT	Tri-Lakes CBCW, Sampling	Adams	WC	Buzz Sorge, 715-839-3794	\$3,000.00	\$53,687.92	Tri-Lakes Management District proposes to continue Clean Boats Clean Waters and water quality sampling efforts on Lakes Camelot, Sherwood, and Arrowhead in Adams Co. Major project elements to include: 1) CBCW, 2) Water quality sampling, 3) SWIMS data entry, 4) Final Report.
VERMILLION LAKE ASSOC	Multi-Lake EWM Management Data Sharing Conference	Barron	NO	Alex Smith, 715-635-4124	\$3,000.00	\$5,666.00	The Vermillion Lakes Association is sponsoring a project to plan and hold a Eurasian Water Milfoil management conference. Deliverables include a summary report that includes educational materials, meeting and conference agendas, and conference handouts or presentations. 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 education materials, including GIS-based maps and digital images, must be submitted to the Department in a format specified by the regional lake coordinator.
VILLAGE OF NECEDAH	Necedah Plan, Plants	Juneau	WC	Buzz Sorge, 715-839-3794	\$3,000.00	\$1,609.60	The Village of Necedah proposes to initiate comprehensive management planning for Necedah Lake and Pond and to conduct an aquatic plant survey of the lake to help with that planning. Major project objectives include: 1) Planning sessions, 2) Plant survey, 3) Water quality data collection, 4) Final report.

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WEYAUWEGA LAKE RESTORATION, INC.	Weyauwega Lake Comprehensive Plan	Waupaca	NE Ted M Johnson, 920-787-4686	\$16,822.41	\$8,285.67	<p>Weyauwega Lake Restoration Association is sponsoring a 2 year large scale planning grant focusing on updating and rewriting sections of their lake management plan following a 2 year drawdown of the lake.</p> <p>Project activities include: Strategic planning meeting; Public opinion survey; Full point-intercept aquatic plant survey; Water quality sampling following WDNR guidelines; Watershed mapping and analysis; Sensitive area evaluation; Lake Management Plan writing.</p> <p>Project deliverables include: Comprehensive Lake Management Plan including the following:</p> <ul style="list-style-type: none"> • Lake residents/users issues, concerns and future goals • Realistic / tangible management goals and objectives • Summary of general lake information • Native and non-native plant communities <ul style="list-style-type: none"> o Maps o P.I. survey data • Aquatic plant issues/concerns o Future management Goals <ul style="list-style-type: none"> • AIS monitoring and rapid response protocol • Summary of historical lake management activities • Lake ecosystem management alternatives, triggers and action items o Water level management plan <ul style="list-style-type: none"> z Index sites with triggers for future water level management activities • Sensitive area/critical habitat designation <ul style="list-style-type: none"> o Maps • Water quality assessment and recommendations • Sedimentation issues and possible solutions • Watershed evaluation and nutrient loading analysis • Fisheries assessment and recommendations • Shoreline habitat and buffer restoration/preservation o Current status map o Future goals • Public education and CBCW activities <p>This scope summarizes the project detail provided in the application and does not negate tasks/deliverables described therein. Data, records, and reports, including GIS-based maps and digital images, must be submitted to the Department in a format specified by the regional lake coordinator.</p> <p>Final plan needs Department review and approval.</p>
Total Awards: 36		Total \$ awarded in time period listed above:		\$475,613.98		