Point of Contact	Organization	Email	Phone	Project Location	\$ Amount	Projects Title	Description	Focus Area
WISCONSIN TOTAL					\$29,956,266			
WDNR PROJECTS								
Mednick, Adam	WDNR Sciences Services	adam.mednick @wisconsin.go v	(608) 261- 6416	Lakes MI & Superior	\$249,998	Expanded Beach "Nowcast" Modeling across WI	Expand operational nowcasting of beach water quality in WI	NS
Meyer, Mike	WDNR Sciences Services	Michael.Meyer @Wisconsin.g ov	(715) 365- 8858	Ashland	\$222,491	Ashland/Chequamegon Bay Shoreland Restoration Project	Restore 4100 feet of shoreland in the City of Ashland with native plants	Н
Hess, Robert	WDNR Endangered Resources		(715) 884- 2726	Lake Michigan	\$109,430	Barrens Habitat Restoration for Endangered /Threatened Species	Restore 1390 acres of globally imperiled barrens habitat in the Fox River watershed	Н
Martin, Mark	WDNR Endangered Resources		(608) 266- 8916	Lake Michigan	\$805,626	Removal of Phragmites and Lyme Grass from WI Lake Michigan Shoreline	Remove Phragmites & Lyme grass from 118 miles and 3600 acres of shoreline	IS
Wakeman, Robert	WDNR Watershed	robert.wakema n@wisconsin.g ov	(262) 574- 2149	Lake MI & Superior	\$997,724	WI Partnerships for Aquatic Invasive Species Prevention	Through prevention, education, and monitoring we will create a tight barrier at WI Great Lakes that limit invasive species movements into and out of the GL and inland lakes.	IS
Pappas, Vic Searle, Greg	WDNR Watershed	victor.pappas @wisconsin.go v	(920) 892- 8756 Ext.3012	Lake Michigan	\$202,181	Sheboygan AOC Pathway to Delisting Habitat BUI's Survey and Assessment	Development of delisting strategies and fish and wildlife populations and habitat restoration plans.	ТХ
WDNR Total					\$2,587,450			
PARTNER PROJECTS								
Pierce, Angela	Bay-Lake RPC	APierce@bayl akerpc.org	(920) 448- 2820	Lake Michigan	\$771,876	Lake Michigan Sanitary Beach Surveys in Northeast Wisconsin	Use high resolution multi-spectral aerial mapping technology to remotely identify the major factors contributing to beach pollution & deteriorated water quality in the nearshore areas of Lake Michigan that are included within the boundaries of Bay-Lake RPC.	NS

Point of Contact	Organization	Email	Phone	Project Location	\$ Amount	Projects Title	Description	Focus Area
Hafs, Bill	Brown Co. L&WCD	hafs_bc@co.b rown.wi.us	(920) 391- 4633	Lake Michigan	\$377,354	Baird Creek Riparian Protection Project	Will focus on Buffer Strip installation in key sections of Baird Creek watershed to reduce agriculture nutrient, sediment & pesticide loading to Baird Creek & ultimately the Lower Fox River & Bay of Green Bay.	NS
Ronald L. Bursek	City of Kenosha	rbursek@keno sha.org	(262) 653- 4050	Lake Michigan	\$300,000	Pennoyer Beach Outfall Infiltration Basin	Construct a stormwater infiltration basin that would promote infiltration and filtration of stormwater to reduce or remove stormwater from running across the public beach. The infiltration basin would be constructed using natural and sustainable materials including beach sand onsite and native beach grasses to stabilize the berms constructed around the infiltration basin.	NS
Surfus, Amanda	Door County Soil and Water Conservation Dept	asurfus@co.d oor.wi.us	(920) 746- 2214	Lake Michigan	\$250,000	Implementation of PMPs at Beaches to Improve Water Quality	The project will focus on developing a cost share program for the construction of practices for reducing storm water contamination at seven beaches throughout the County. These seven beaches completed the preliminary and final design process for addressing storm water run off and discharge to their beaches and are therefore eligible to participate in the SWCD's beach contamination reduction implementation project.	NS
Halverson, Jerry	Manitowoc Co. S&WCD	jerryhalverson @co.manitowo c.wi.us	(920) 683- 4183	Lake Michigan	\$525,000	Installation of Barnyard Runoff Controls in Manitowoc County	All livestock barnyards within 300 ft. of streams that flow to Lake Michigan, in Manitowoc Co., with significant pollution ratings will be corrected.	NS
Sands, Karen	Milwaukee MSD	ksands@mms d.com	(414) 225- 2123	Lake Michigan	\$200,000	Water Quality Subsurface Gravel Wetland: Green Tree Basin(MKE)	To arrest the negative impacts of nonpoint source pollution, the Milwaukee Metropolitan Sewerage District seeks to innovate a subsurface gravel wetland that holds rainwater where it falls, infiltrates and filters it, absorbs it through plant root systems, and evapotranspires it to the atmosphere. Through this project, the Sewerage District will implement this innovative infrastructure measure in the Green Tree Basin on Lincoln Creek, a tributary of the Milwaukee River, to address six beneficial use impairments in the Milwaukee Estuary Area of Concern.	NS

Point of Contact	Organization	Email	Phone	Project Location	\$ Amount	Projects Title	Description	Focus Area
Bate, Tim	Milwaukee MSD	tbate@mmsd. com	(414) 225- 2156	Lake Michigan	\$225,752	Develop Multiple TMDLs for the Milwaukee Estuary AOC	The Milwaukee Metropolitan Sewerage District proposes to develop third-party pathogen, phosphorus, and sediment TMDLs for the Milwaukee Estuary in Southeastern Wisconsin. The TMDLS will result in pollutant load and wasteload allocations that must be met to meet water quality standards and targets and in implementation plans that will identify the steps needed to achieve the load and wasteload allocations.	NS
Bate, Tim	Milwaukee MSD	tbate@mmsd. com	(414) 225- 2156	Lake Michigan	\$170,252	Develop Multiple TMDLs for the Menomonee River Watershed	The Milwaukee Metropolitan Sewerage District proposes to develop third-party pathogen, phosphorus, and sediment TMDLs for the Menomonee River Watershed in Southeastern Wisconsin. The TMDLs will result in pollutant load and wasteload allocations that must be met to meet water quality standards and targets and in implementation plans that will identify the steps needed to achieve the load and wasteload allocations.	NS
Bate, Tim	Milwaukee MSD	tbate@mmsd. com	(414) 225- 2156	Lake Michigan	\$349,854	Develop Multiple TMDLs for the Milwaukee River Watershed	The Milwaukee Metropolitan Sewerage District proposes to develop third-party pathogen, phosphorus, and sediment TMDLs for the Milwaukee River Watershed in Southeastern Wisconsin. The TMDLs will result in pollutant load and wasteload allocations that must be met to meet water quality standards and targets and in implementation plans that will identify the steps needed to achieve the load and wasteload allocations.	NS
Bate, Tim	Milwaukee MSD	tbate@mmsd. com	(414) 225- 2156	Lake Michigan	\$132,839	Develop Multiple TMDLS for the Kinnickinnic River Watershed	The Milwaukee Metropolitan Sewerage District proposes to develop third-party pathogen, phosphorus, and sediment TMDLs for the Kinnickinnic River Watershed in Southeastern Wisconsin. The TMDLs will result in pollutant load and wasteload allocations that must be met to meet water quality standards and targets and in implementation plans that will identify the steps needed to achieve the load and wasteload allocations.	NS

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Herman, Grant	Northland College	gherman@nort hland.edu	(715) 682- 1332	Lake Superior / Chequameg on Bay	\$192,116	Chequamegon Bay Area Partnership Beach Sanitary Surverys Project	Provide beach sanitary surveys on 8 previously un-surveyed beaches on tribal lands and implement actions to remove the contamination.	NS
Ledder, Tracey	Red Cliff Band of Lake Superior Chippewas	tracey.ledder @redcliff- nsn.gov	715-779- 3650	Lake Superior	\$365,637	Red Cliff Band of Lake Superior Chippewa Septic System Project	This project proposes to replace or repair a set of aged septic systems on the Red Cliff Reservation. Improperly installed or maintained septic systems may contribute pathogens and nutrients to the surrounding environment and nearby Lake Superior.	NS
Szewczyk, Victoria	UW-Madison	szewszyk@wis c.edu	(608) 262- 7785	Lake MI & Superior	\$107,980	Botulism/Algal Reporting & Data Management-Public Tools	This project will deliver web-based and cell phone capability reporting systems to support the public in opportunistically reporting adverse heath events in nearshore waters. These tools will be an adjunct to more standardized beach sanitary surveys, and through the participation of a broader population of observers, increase the number of botulism mortalities, harmful algal blooms, and Cladophora overgrowths identified.	NS
Kleinseinz, Greg	UW-Oshkosh	kleinhei@uwos h.edu	(920) 424- 1100	Lakes MI & Superior	\$249,884	Establishment of regional rapid method test facilities in WI	This project would expand existing (Racine and/or Milwaukee Counties) and establish new rapid test method labs in the Lake Superior region (serving Ashland, Bayfield, Douglas, and Iron Counties), Door County (Serving Brown, Door, and Kewaunee counties), and Manitowoc (serving Manitowoc and Sheboygan counties). This project would provide all infrastructure required including all equipment and training needed to start using the qPCR rapid test methods. By leveraging current testing facilities (Ashland, Sturgeon Bay, Manitowoc, Racine, and Milwaukee) and using this capital investment all of Wisconsin's coastal waters would be able to get beach testing results within 4 hours.	NS

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Kleinseinz, Greg	UW-Oshkosh	kleinhei@uwos h.edu	(920) 424- 1100	Lakes MI & Superior	\$250,000	Sanitary Surveys of High Risk WI Beaches:Southern WI (1 of 2)	In years one and two of this project sanitary surveys (SS) will be conducted at all Wisconsin beaches listed (and proposed) on the 303d list. These beaches are located on the shores of Lakes Michigan and Superior, encompassing both rural and urban settings and various stages within the investigative process (none to fairly extensive monitoring with/without mitigation measures). The US EPA Sanitary Survey tool (routine and annual) will be used to conduct site assessments for the purpose of determining probable pollutant sources and suggesting mitigation measures.	NS
Kleinseinz, Greg	UW-Oshkosh	kleinhei@uwos h.edu	(920) 424- 1100	Lakes MI & Superior	\$250,000	Sanitary Surveys of High Risk WI Beaches:Southern WI (2 of 2)	In years one and two of this project sanitary surveys (SS) will be conducted at all Wisconsin beaches listed (and proposed) on the 303d list. These beaches are located on the shores of Lakes Michigan and Superior, encompassing both rural and urban settings and various stages within the investigative process (none to fairly extensive monitoring with/without mitigation measures). The US EPA Sanitary Survey tool (routine and annual) will be used to conduct site assessments for the purpose of determining probable pollutant sources and suggesting mitigation measures.	NS
Josh VanLieshout	Village of Egg Harbor	jvanlieshout@ villageofeggha rbor.org	(920) 868- 3334	Lake Michigan	\$274,682	Egg Harbor Beach and Boat Trailer Parking Lot Improvements	The Village is proposing to repave an 18' wide strip of pavement (the drive aisle) with a pervious strip that will reduce the volume of runoff leaving the parking lot. The Village would also make improvements to divert a greater portion of the runoff from the parking lot to the existing biofilter.	NS
Butschlick, Leeann	Village of Shorewood	lbutschlick@vil lageofshorewo od.org	(414) 847- 2653	Lake Michigan	\$250,000	Shorewood Atwater Beach - Sewage Contamination Prevention	Investigate & eliminate sewage leakage into storm sewers, thereby achieving immediate removal of human waste from Lake Michigan in general & Atwater Beach in particular.	NS
· ·	WI Dept of Health	Lynda.knobelo ch@wisconsin. gov	(608) 266- 0923	Lakes MI & Superior	\$299,717	Development of a Beach Safety Ourtreach Program for WI	Seeks to increase the accessibility and availability of data and information on microbial beach hazards.	NS

Point of Contact	Organization	Email	Phone	Project Location	\$ Amount	Projects Title	Description	Focus Area
Jolly, James	Brown Co Land & Water Conservation Dept	jolly jr@co.bro wn.wi.us;	(920) 391- 4635	Lake Michigan	\$395,815	West shore of Green Bay Northern Pike Habitat Project	Continue the work on habitat restoration for Northern Pike through buffer installations, removal of barriers and critical area plantings along tributaries in Brown and Oconto Counties.	Н
Haen, Dean	Brown County	haen dr@co.b rown.wi.us	(920) 492- 4953	Lake Michigan	\$1,500,000	Cat Island Chain Restoration Project	Construct a 2.5 mile wave barrier along the remnant Cat Island Shoals.	Н
Hill, Jason	Ducks Unlimited, Inc	Jhill@ducks.or g	(734) 623- 2000	Lake Michigan	\$658,009	Winegar Pond Invasive Species Control in a Green Bay wetland	Remove invasive species at Winegar Pond at the mouth of Peshtigo River.	Н
Driscoll, Mary Beth	Groundwork Milwaukee, Inc	groundworkmb @gmail.com	(414) 763- 9947	Lake Michigan	\$140,000	HIPEE, Habitat Improvement Project in the Estuary Environment	HIPEE creates habitat for fish and other aquatic organisms along 15 miles of hardened river shorelines within Milwaukee Estuary Area of Concern where little to no habitat exists - reducing a barrier between upstream spawning / nursery habitat and Lake Michigan allowing many species of fish to more successfully complete their lifecycle. HIPEE utilizes small rubber baskets, called habitat underwater baskets (HUB's), filled with mature, native, aquatic plants affixed to shoreline walls, and larger floating structures commonly called "Fish Hotels," containing a mix of submergent and emergent plant species along with submerged habitat structure similar to a "fish crib."	Н
Elliot, Patrick	Milwaukee MSD	pelliott@mmsd .com	(414) 225- 2168	Lake Michigan	\$1,605,000	Kinnickinnic River Habitat Restoration Project	The project will restore a portion of the Kinnickinnic River channel and floodplain in Milwaukee, WI through removal of 500 feet of concrete channel lining and restoration of 1,000 feet of the river channel and associated floodplain. This project will include riffle and pool sequences to enhance aquatic habitat and provide fish passage; bio-engineered channel banks and side slope stabilization to resist erosion; geotechnical embankment repairs to address existing and potential slope failures; and restoration of native plant communities to provide habitat value and floral diversity	Н

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Chapman, Tom	Milwaukee MSD		(414) 225- 2154	Lake Michigan	\$1,103,000		The proposed project will remove concrete from the bed of the Menomonee River for a distance of 1,000-ft and replace it with a series of engineered pools and riffles with a rock substrate. This project would remove the final downstream fish passage barrier between Lake Michigan, the Milwaukee Estuary, and the stream and wetland habitats in the Menomonee River watershed. Most significantly, the project would restore Lake Michigan and Estuary potamodromous fish stock access to 37-miles of stream and over 1,000 acres of historical spawning, rearing and over-wintering deep water habitat.	Н
THerman Grant	Northland College	gherman@nort hland.edu	(715) 682- 1332	Chequameg on Bay			Projects reduce erosion and sedimentation through proper design and replacement of degraded culverts and restore connectivity of tributaries to the Lake.	Н
Milheiser, Tom	Oconto County Land Conservation Division	tom.milheiser @co.oconto.wi .us	(920) 834- 5688, ext. 28	Lake Michigan	\$489,427	West shore of Green Bay Northern Pike Habitat Project	Continue the work on habitat restoration for Northern Pike through buffer installations, removal of barriers and critical area plantings along tributaries in Brown and Oconto Counties.	Н
ISTRUCK Andrew	Ozaukee County	astruck@co.oz aukee.wi.us	(262) 284- 8275	Lake Michigan		Enhancing Ecologic Productivity of Milwaukee Estuary AOC Watersheds	Enable fish to regain access to isolated pockets of high quality habitat.	Н
	River Alliance of Wisconsin, Inc	dcaneff@wisc onsinrivers.org	` '	Lake Michigan	\$1,500,000	Clearing a Path: Revitalizing Lake Michigan's Sturgeon	The goal is to revitalize the venerable lake sturgeon of Lake Michigan by reconnecting existing populations with historic spawning and rearing habitat in the Menominee River.	н
Thompson, Scott	The Nature Conservancy		(608) 381- 0388	Lake Michigan			A 2-year project to advance delisting of 3 impaired BUIs in the Duck-Pensaukee Watershed of the Lower Green Bay and Fox River AOC.	Н

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Springsteen, Joel	Urban Ecology Center	jspringsteen@ urbanecologyc enter.org	(414) 241- 7286	Lake Michigan		Habitat Protection and Restoration of Milwaukee River Estuary AOC	The Urban Ecology Center (UEC) in partnership with Milwaukee County, City of Milwaukee, Rotary Club of Milwaukee, River Revitalization Foundation, private businesses and local landowners will protect and restore 40 contiguous acres of land along the Milwaukee River as an arboretum of native plant communities and improved wildlife habitat (including habitat of the state-threatened Butler's gartersnake). The site of the Rotary Centennial Arboretum is within the Milwaukee River Estuary Area of Concern and its creation will address the EPA-identified beneficial use impairments 1) loss of fish and wildlife habitat, 2) degradation of fish and wildlife populations, and 3) degradation of aesthetics.	Н
Beyer, Anthony J.	Village of Mount Pleasant		(262) 554- 8750	Lake Michigan	\$200,000	Pike River Wetland and Fish Habitat Restoration	This project will include habitat restoration and plantings including wetland and prairie environments, channel widening and bank stabilization, replacing culverts to aid fish passage, providing fish habitat structures, and the creation of fish spawning areas.	Н
Falck, Miles	Great Lakes Indian Fish & Wildlife Commission	miles@glifwc.o rg	(715) 682- 6619	Lake MI & Superior	\$142,430	Risk Assessment of Invasive Species to Tribal Resources	This project will prioritize management actions based on threats posed to culturally significant resources by invasive plants. GLIFWC has documented over 8,000 non-native invasive plant sites in the Lake Superior counties of Wisconsin and Michigan. This data is being used to develop species distribution models for invasive plants. GLIFWC will develop similar models for culturally significant native species. Comparing these models will identify which invasives pose the greatest risk, and help prioritize areas for early detection/rapid response efforts.	IS

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Strickler, J Rudi	Great lakes WATER Institute, UW- Milwaukee	jrs@uwm.edu	(414) 382- 1700	Lake MI & Superior	\$378,959	Development of Optics to Quantify Organisms in Ballast Water	Propose a 3-year project to research and develop instrumentation that monitors ballast waters and measures whether or not it adheres to the international regulations. Specifically, we will develop technology which results in fair estimates of the number of particles suspended in a cubic meter/milliliter of water and the amount of viable ones among them. We will investigate technologies which will separate the viable organisms ≥50 ?m from the water. Ground-proofing will be in cooperation with The Port of Milwaukee and the outreach program with Discovery World in Milwaukee. Key Terms: ballast water, invasive species, Great Lakes ecosystem, International Maritime Organization, IMO	IS
Haen, Dean	Brown County Port and Solid Waste Dept	haen_dr@co.b rown.wi.us	(920) 492- 4950	Lake Michigan	\$2,000,000	Environmental Capping of Renard Island	The RAP Workgroup recommended closing Renard Island, in the lower Bay of Green Bay to minimize exposure to 2.7M cubic yards of Polychlorinated biphenyls (PCB) and other contaminates contained in sediments placed in the island from the dredging of the Green Bay Harbor.	ТХ
Struck, Andrew	Ozaukee County	astruck@co.oz aukee.wi.us	(262) 284- 8275	Lake Michigan	\$491,000	Monitoring to Address 9 of 11 BUIs - Milwaukee Estuary AOC	A comprehensive monitoring program will be implemented for portions of the Milwaukee River in Ozaukee Co. to partially address delisting targets or required actions for 9 of 11 Milwaukee Estuary AOC BUIs.	тх

Point of Contact	Organization	Email	Phone	Project Location	\$ Amount	Projects Title	Description	Focus Area
Genskow, Ken	UWEX	kgenskow@wi sc.edu	(608) 262- 8756	Lake MI & Superior	\$835,871	Explore and Restore: Catalyzing Delisting via Advisory Teams	This initiative focuses on catalyzing restoration successes in Wisconsin's five Areas of Concern by harnessing the energy of local and state advisory teams. It includes facilitating technical and citizen advisory committees as well as developing delisting strategies, standardized evaluation tools, and educational programs. Explore and Restore our Great Lakes and the Rivers that Feed Them is the unifying theme under which the University of Wisconsin-Extension will support Area of Concern advisory committees in collaboration with the Wisconsin Department of Natural Resources.	TX
Anderson, Henry	WI Dept of Health	henry.anderso n@wi.gov	(608) 266- 1253	Lakes MI & Superior	\$1,858,408	Enhancing WI's Fish Advisory Program: Emerging Chemicals, Angler Awareness, Exposure, Health Status, Outreach	Includes all components needed to improve WI's fish consumption advisories.	TX
Brachman, Steve	UW-Ext Milwaukee	steve.brachma n@ces.uwex.e du	(414) 227- 3160	Lakes MI & Superior	\$807,921	Contaminants of Emerging Concern Product Stewardship Initiative	Cooperative effort to implement a comprehensive pharmaceutical and personal care products waste collection, awareness and education, and product stewardship program.	тх
Schuster, Myron	Northwest Regional Planning Commission	mschuster@n wrpc.com	(715) 635- 2197	Lake Superior	\$1,000,000	NWRPC Toxic Waste Collection, Education and Mapping Project	This Project will provide the following deliverables for the entire south shore of Lake Superior in Wisconsin and the Upper Peninsula of Michigan: 1) electronic device, toxic waste material, and petroleum based oil collection; 2) creation of a GIS data layer that identifies the locations of business and industry that contain hazardous materials in their MSDS and/or waste stream; and, 3) create/disseminate information to the public regarding the effect toxins have on the Lake Superior watershed - particularly the toxins contained in electronic devices.	TX

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Kmiecik, Neil	Great Lakes Indian Fish & Wildlife Commission	nkmiecik@glif wc.org	(715) 682- 6619	Lake MI & Superior	\$458,524	Mercury Testing & Updating Tribal Walley Consumption Advice	GLIFWC will determine mercury levels in walleye, lake trout, whitefish, cisco, and siscowet from Lake Superior and walleye from inland lakes. Test results for selected fish species and areas in Lake Superior will be compared with data from previous testing. Results from inland waters will be used to update tribal and lake specific GIS maps and consumption advice aimed at reducing health risks associated with consuming mercury contaminated walleye.	TX
Radke, Lissa	Lake Superior Binational Forum	Iradke@northl and.edu	(715) 682- 1489	Lake Superior	\$144,623	Lake Superior Binational Forum LaMP Implementation and Outreach	Funds to continue Forum facilitation and to enhance the effectiveness of currently approved outreach projects.	AE
Elliot, Amy	UW-Superior - Lake Superior Research Institute		(715) 394- 8313	Lake Superior	\$971,714	Implementing WI DNR's Lake Superior Nearshore Monitoring Plan	This project will establish 71 permanent monitoring stations in coastal wetlands, small craft harbors, nearshore areas and tributaries identified as priority resources by the WDNR. Biological, physical, chemical and land cover data will be collected and analyzed using accepted standardized monitoring protocols and biological indicators developed under the SOLEC process for Great Lakes communities.	AE
Bauer- Armstrong, Cheryl	UW-Board of Regents/UW- Madison Arboretum	cherylbauer@ wisc.edu	(608) 262- 5264	Lake MI & Superior	\$686,889	Great Lakes Earth Partnership	In the Lake Superior, Green Bay and Milwaukee River basins, teams of teachers, students, resource personnel and citizens will engage in research, restoration and outreach, and adapt Earth Partnership curricula to extend the schoolyard to the shores of the Great Lakes and their watersheds. This pilot will combine with other Great Lakes education programs to create a comprehensive, inquiry and restoration-based approach, integrated with sustainability, biodiversity, pollution prevention, environmental literacy and service learning. The Second Phase will include basins in IL IN, MI, OH, NY.	AE

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Zedler, Joy	UW-Madison	jbzedler@wisc. edu	(608) 262- 8629	Lake MI & Superior	5411883	Innovations to improve stormwater treatment	We propose to test innovative environmental approaches to treating stormwater, using varied hydroperiods and native plants (at multiple diversity levels) to address not just suspended solids (as in conventional stormwater ponds) but also nitrogen and dissolved phosphorus, thus achieving beneficial outcomes for streams, wetlands and nearshore waters of Great Lakes watersheds. With our partners, the Wisconsin Chapter of the Nature Conservancy and the Environmental Law Institute, we will identify opportunities within the Pensaukee Watershed (Green Bay) to improve stormwater treatment so that fewer nutrients will make their way to coastal wetlands and nearshore waters.	AE
non-DNR TOTAL					\$27,368,816			