

TRI-LAKES MANAGEMENT PLAN

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MISSION STATEMENT

What is the Tri-Lakes Management District?

The Tri-Lakes Management District was formed in 1984 by property owners of the three lake associations – Lakes Arrowhead, Camelot and Sherwood in the Town of Rome, located in northern Adams County. A statutory taxing body, the District is guided by a board of five commissioners, one from each lake association plus one representative from the Town of Rome Board and one from the Adams County Board.

Mission

To pursue activities that positively impact the cleanliness and health of the lake water.

Strategic Imperatives

- Prioritize safety, legality, ethics, and fiduciary responsibility above everything
- Build in elements of sustainability into everything we plan and execute
- Communicate efficiently and effectively with all stakeholders
- Seek out and leverage resources to help achieve our mission
- Consider short-medium-long term activities to achieve our mission
- Manage and make decisions using data to the fullest extent possible

INTRODUCTION

Chapter 92 of the Wisconsin State Statutes established the Adams County Land and Water Conservation Committee (LWCC) and the Adams County Land and Water Conservation Department (LWCD). The LWCC and LWCD have the responsibility of conserving long-term soil productivity, protecting the quality of related natural resources, enhancing water quality and focusing on severe soil erosion problems.

The Tri-Lakes Management District was formed in 1984 to monitor lake water quality and implement best management practices to maintain and improve lake water quality and quantity on Arrowhead Lake, Sherwood Lake, and Camelot Lake (Tri- Lakes).

The Wisconsin Department of Natural Resources (WDNR) is dedicated to the preservation, protection, effective management, and maintenance of Wisconsin's natural resources. It is responsible for implementing the laws of the state and where applicable, the laws of the federal government that protect and enhance the natural resources of our state.

To achieve the purposes of the Tri-Lakes Management District, Adams LWCC/LWCD, WDNR and to address increased natural resources concerns due to increasing development within the Tri-Lakes area, a Tri-Lakes Management Plan was developed. The plan addresses natural resource issues on the lakes and also in their watersheds. The plan is dynamic, and revisions will occur annually to reflect current events and priorities. The Tri-Lakes Management District will receive public input on plan revisions at the Tri-Lakes Management District Annual Fall Meeting. The Tri- Lakes Management District will notify all members of the district and will accept written comments from the members and the public who cannot attend. The plan will utilize best management practices, education, and regulations to improve natural resources. The plan will incorporate human conveniences in a manner that does not compromise the quality and quantity of natural resources. All ordinances, policies, and activities associated with the State, County, and Town must receive approval from proper authorities. The plan consists of goals and action items to address natural resource issues and activities for a five-year period. As one-year passes, another year of the plan will be added so the plan will always reflect a five-year period. Scientific studies, community residents, and the general public were inventoried to determine the goals of the plan. A Lake Advisory Group (LAG) was formed to identify action items, write the rough draft of the Lake Management Plan, and in the future assist Tri-Lakes Management District with updates and revisions. The LAG consists of WDNR specialists, Tri-Lakes Management board, community businesses, community residents, and Adams LWCD. Once the rough draft was written, LAG members disseminated the plan and received feedback. There were also two public meetings held to receive feedback. LAG members met after receiving the feedback and incorporated the feedback as allowable and deemed necessary into the Tri-Lakes Management Plan. The Tri-Lakes Management Board is responsible for implementing and updating/revising the Tri-Lakes Management Plan. The Tri-Lakes Management Board consists of a representative from each Lake Association, the Town of Rome, and the Adams County Board.

Tri-Lakes Management Plan Advisory Group

First Name	Last Name	Phone #	
Carl	Hasdal	612-751-4779	
Brad	Adkins	608-334-4664	
Mark	Samelstad	715-781-0354	
Mike	Baker	414-507-9775	
Tim	Schumacher		
Jennifer	Bergman	715-421-7852 715-325-0329	Fish Biologist
Scott	Provost	715-421-7881	Water Resource Specialist
Phil	Rockenbach	312-405-4844	14-Mile Watershed Alliance Rep
David	Trudeau	715-325-6275	Sherwood POA & Resident
Keifer	Sroka	608-339-4269	Adams County Water Resource Specialist
Dustin	Grant	608-339-4222	Adams County Land & Water Conservationist
Brad	Adkins	608-334-4664	Dam Operator
Barb	Herreid	715-325-2075	Master Gardener Org & Lake Camelot Res
Craig	Henrichs	715-325-3250	Harvesting Supervisor
Alex	Tomczyk	715-459-3875	Dam Operator
Jay	Michels	651-261-4546	EOR

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ITEM	GOALS AND ACTION ITEMS	WHO	WHEN
Aquatic Species Management	Machine harvest aquatic plants to improve water quality, to provide safe boating areas and to improve aquatic habitat. 1. Harvest maps (Appendix A-D) will be followed by harvesting crew. Areas in the lakes 6 foot deep or greater will be harvested as needed to a depth of 5 feet. The path will get no closer to the shoreline than the docks. No machine harvesting in the areas between the shoreline and 3 foot under paddle wheels. A 30-foot path may be hand-harvested in these areas by the property owner. Harvest period will be between mid-May and end of September. 2. Conservancy areas will be marked on the harvest maps.	Tri-Lakes Mgmt District	Annually
		Tri-Lakes Mgmt District	Annually
	Monitor the harvesting of aquatic plants 1. WDNR representative and a Tri-Lakes Management representative will together annually inspect harvesting operations. 2. Record the pounds of aquatic plants removed by taking an average weight of a trailer full of plants harvested and multiplying this by the number of trailer loads. This will be documented and reported to WDNR Aquatic Plant Specialist by 12/31. <i>(Refer to Appendix L)</i> 3. Composite samples will be randomly taken from harvested plants (per protocol provided by WDNR) and sent to a certified lab to measure the phosphorus and nitrogen content. This is done 3x in summer to determine the amount of phosphorus and nitrates being removed from the lakes by harvesting plants. (June, July, late Aug). Results to be shared with WDNR to calculate pounds of N and P.	WDNR Tri-Lakes Mgmt District	Annually
		Tri-Lakes Mgmt District	Annually
		Tri-Lakes Mgmt District WDNR	July, Aug & Sept.

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ITEM	GOALS AND ACTION ITEMS	WHO	WHEN
Aquatic Species Management continued ...	1. Educate individuals on aquatic plant control methods by placing article developed by Adams LWCD in Lake Association communications. Contact Lake Associations to notify for newsletters.	Lake Associations and Adams LWCD	Annually
	Update 2006 Aquatic Plant Community Survey 1. WDNR Lake Classification grant specifies aquatic plant survey to be conducted. Aquatic plants will be identified and quantified. Completed in 2006; Camelot completed 2009 and 2022; Arrowhead completed 2010 and 2022; Sherwood completed 2024. All reports to be posted on Adams LWCD website. Both Camelot's were completed in 2013 and Sherwood/Arrowhead was completed in 2014. 2. Conduct aquatic plant surveys to map locations, density, and quality of aquatic plants prior to alum treatment. It is likely that aquatic plants will increase in abundance following an improvement in water clarity. 3. Quantify impacts on mechanical harvesting costs and the potential for phosphorus and nitrogen removal via mechanical harvesting. 4. Quantify any increase in frequency of occurrence of native and non-native aquatic plants. Calculate Floristic Quality Indices, Frequency of Occurrence and Simpsons Diversity based on lake-wide point intercept surveys.	Adams LWCD WDNR Tri-Lakes Mgmt District	Ongoing 2023-Ongoing
	Prevent the spread of & try to eliminate invasive & noxious species 1. Invasive plants and noxious weeds will be mapped during aquatic plant surveys. 2. Develop and implement plan to: control existing exotic, invasive and noxious species; and prevent the introduction of exotic, invasive and noxious species. Work together using the latest AIS preventions as deemed necessary. This plan will include an educational component and a boat inspection component. In 2010, a Clean Boats, Clean Waters Program was initiated and has been continued and expanded every summer since then. 3. Pursue financial assistance for implementation of prevention and control plan through WIDNR surface water grants.	Adams LWCD WDNR WDNR Private consultants Adams LWCD Tri-Lakes Mgmt District WDNR, Adams LWCD	DUE! Ongoing September 2

		Tri-Lakes Mgmt Dist	each year
	4. Re-contact Adams LWCD to pursue installing boat washing equipment at public boat landing, work the Town of Rome if they assume responsibility for the parks.	Tri-Lakes Mgmt District	

ITEM	GOALS AND ACTION ITEMS	WHO	WHEN
Aquatic Species Management Continued . . .	Monitor the impact of Zebra Mussels		
	1. Monitor zebra mussel research on control methods	Tri-Lakes Mgmt District Wisconsin DNR	Annually
	2. Maintain coordination and communications with WDNR Specialist, Adams LWCD & AIS specialist.	Adams Land & Water	
	3. Update and report at Tri-Lakes Management Annual Meeting	Adams Land & Water Tri-Lakes Management	

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ITEM	GOALS AND ACTION ITEMS	WHO	WHEN
Dams	Maintain and operate Arrowhead, Sherwood and Camelot Dams to ensure public safety, proper dam function and a stable lake level. 1. Conduct inspections and record findings as specified in WDNR standards. 2. Operate, inspect and repair darns to meet Wisconsin laws in Chapter 31 and NR Chapter 330. 3. Review and update the County Emergency Action Plan. 4. Implement the Emergency Action Plan in times of emergency. Evacuation Route signs were added in 2014 by Adams County. County will provide Tri-Lakes with a copy. 5. Maintain water level gauges that are placed on the sides of the water flow control structures. These gauges will be the official tool used to determine lake levels. Lake level information may be obtained online. Operating ranges will be posted on the Tri-Lakes site and will communicate to the Associations and the town. Need local Dam operators - work with Adams LWCD to address this. 6. Maintain history of levels; data can be obtained from Adams County LWCD at 608-339-4268.	Engineer certified by Nat'l Assn. of Prof. Eng. Adams LWCD Adams LWCD Town of Rome County Board Chair, Adams LWCD & Emergency Mgt and Town of Rome Adams LWCD Tri-Lakes Mgmt Adams LWCD District & EOR	Per WDNR schedule Min. 3 times/week Annually As needed Ongoing Annually

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ITEM	GOALS AND ACTION ITEMS	WHO	WHEN
Recreational Uses	Manage lakes for boating and skiing. 1. Implement methods of enforcing state laws, county and town ordinances. Methods may include anonymous tips hotline, contacting local law enforcement, goodwill ambassador groups and education. Once methods have been identified, develop strategy to implement. Methods may include contacting local law enforcement.	Town of Rome WI DNR	Ongoing
	2. Install no-wake buoys 100' off the face of the dams shortly after ice-out as well as County boat launches. Channels – No Wake Zones (Town of Rome)	Adams LWCD & Rome Police	Ongoing
	3. Notification of Town ordinance limiting wake boats		
	Manage lakes for fishing and habitat 1. Work with WDNR Fisheries expert to stock game fish, pan fish and forage fish in lakes as funding allows.	Lake Associations Tri-Lakes Mgmt District	Ongoing
	2. Educate lake users regarding the improvement of littoral and riparian zones to improve fish habitat as long as navigation is not impeded; permit may be required. Seek grants for habitat improvement. (Healthy Lake Grants)	Tri-Lakes Mgmt District Adams LWCD, Lakes Associations and 14 Mile Watershed Alliance	Ongoing
			Seasonal
	Manage lakes for Swimming 1. . Report any illnesses from blue-green algae to www.dhs.wi.gov/eh/bluegreenalgae	Tri-Lakes Mgmt District Adams Health Dept	Ongoing
	2. . Maintain safety of public and private swim area on all three lakes by marking with buoys	Adams LWCD Lakes Associations	

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ITEM	GOALS AND ACTION ITEMS	WHO	WHEN
Shorelands - area within 1000 feet of the lake	Reduce phosphorus and nitrogen entering groundwater that then discharges into Tri-Lakes.		
	1. Inventory and map septic systems within the Tri-Lakes Management District. Manage system to notify owners (pre-7/1/1992) to pump or inspect septic systems. 2. Verify county and state-approved method of sanitary disposal on camping lots in the District.	Tri-Lakes Mgmt District Town of Rome Adams County P&Z	Ongoing Ongoing
	Reduce nutrients entering the Tri-Lakes by surface water. 1. Educate lake shoreline owners on the benefits of riparian buffers and storm water runoff management utilizing meetings & newsletters. Dissuade fertilizer use when not needed. 2. Execute the 9-Key Element Plan to design and offer cost share, but not limited to shoreline protection, riparian buffers, approved BMP's within the watershed, and storm water runoff management to areas identified in inventory and publish results. Utilize Adams Soil & Water Resource Mgmt Program & WDNR financial assistance programs. Apply for cost-sharing grants as available, such as Healthy Lakes or Shore-land Grants. Monitor water quality at 6 sites and 4 monitoring wells.	Tri-Lakes Mgmt District Adams LWCD and P&Z Lake Associations 14 Mile Watershed WDNR Adams County L & W	Ongoing Ongoing

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ITEM	GOALS AND ACTION ITEMS	WHO	WHEN
Water Quality	Reduce algae blooms and nutrient levels.		
	1. Educate lake property owners on fertilizer use & nutrient management plan	Adams LWCD Tri-Lakes Management Town of Rome	Ongoing
	2. Initiate studies for use of Bio Char to reduce nutrients.	Tri-Lakes 14 Mile Watershed	
	3. Work with WDNR & other external specialists for new technologies and solutions. Utilize the Central Wisconsin Rivers TMDL and Implementation Plan Development to ensure nutrient load reductions to improve Tri-Lakes water quality	Tri-Lakes Mgmt District DNR & Adams LWCD	Ongoing
	4. Utilize sediment boring test results and initiate an action plan	Tri-Lakes Mgmt District	Ongoing
Water Quality	5. Note to Lake Associations and Land Service companies to have lakefront property owners water lawns with lake water and reduce or eliminate fertilizers. Observe Town Ordinance on 35' Buffer zone.	Town of Rome Tri-Lakes Mgmt District	Annually
	Reduce algae blooms and nutrient levels		
	1. Utilize Citizen Monitoring Program to monitor water quality to measure clarity, temperatures, secchi disk readings, chlorophyll A and total phosphorus. Communicate that this information is available.	Adams LWCD Tri-Lakes Mgmt District Tri-Lakes Mgmt District	Ongoing Ongoing
	2. Conduct study to develop a lawn nutrient management plan and educate lake		

	property owners. Study will be based on a weight of evidence approach that incorporates GIS data and sediment cores collected around the lakeshore to identify buried organics and legacy sources of phosphates. 3. Evaluate water quality report produced by UWSP and identify action plan. Report to WIDNR TMDL project. 4. Utilize Nanobubble technology to reduce sediment, increase oxygen levels in the water column and sediment, reduce nutrient levels and reduce algae and BG algae.	Tri-Lakes Mgmt District Adams LWCD Tri-Lakes Mgmt District Adams LWCD Tri-Lakes Mgmt District Tri-Lakes Mgmt District WI DNR EOR	Ongoing Ongoing Ongoing Ongoing
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Water Quality.	Educate community and public about ways to improve water quality. 1. Write and publish informational articles in lake association newsletters and also post to websites and distribute materials at Environmental Workshops and Tri-Lakes Annual Meeting 2. Distribute Waterfront Property Owners Packet of information prepared by Adams County Lake Specialist to waterfront owners. 3. Educate public about proper disposal of prescription drugs, including town website and tv (channel 300). Give information out at Annual Meeting & State of the Lake meeting. 4. Establish website to serve as portal of information to the property owners, such as the Lake Owners Newsletters.	Adams LWCD Tri-Lakes Mgmt District Town of Rome Tri-Lakes Mgmt District 14 Mile Visit Rome Tri-Lakes Mgmt District Town of Rome Tri-Lakes Mgmt District Lake Associations	Ongoing Ongoing Ongoing Ongoing

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ITEM	GOALS AND ACTION ITEMS	WHO	WHEN
Watershed-land outside of shoreland area	Goal is to reduce total phosphorus and total nitrogen		
	1. Develop strategy to implement buffer corridors. Maintain and monitor the buffer corridors including DNR, SWG, DATCP grants. Conservation easements, cost share projects for successful grant applications.	Adams LWCD WIDNR, DATCP, TMDL	Ongoing
	2. Sample and test water at the headwater's region of the drainage district and as it enters Lake Camelot to determine clarity, pH, temperature, biological conditions, total phosphorus, total nitrogen and total suspended solids.	Tri-Lakes Mgmt District 14 Mile Watershed EOR	Ongoing
	3. Implement the Adams County Storm-water Runoff Ordinance to prevent and/or reduce nutrients and sediments from entering State's waters.	Adams County	Ongoing
	4. Monitor and advocate change in Drainage District legislation.	Adams County	Ongoing
	1. Implement State Agricultural Performance Standards by working with partners to create a Producer Led Watershed group, in the 14-Mile Creek Watershed, to offer cost share for approved best management practices to improve soil health and decrease nutrient loading to surface and groundwater.	Adams County LWCD, DATCP, DNR, UW-Ex, 14MCWA	Ongoing
	2. Work with 9 Key Element program at Adams County to use drone analysis of tributaries. Identify potential wind erosion hotspots and implement practices accordingly.	Adams LWCD/EOR	2023-2024
	3. Fully implement 9 KEP via community support, pursuing DNR, SWG, 319 TRM, and DATCP grants for hard practices implementation.	Adams LWCD, TMDL, Producers, DATCP, Adams LWCD 14 Mile Watershed Adams LWCD, EOR, NRCS and Pacrs	
	4. Review NMP'S of procedures for compliance.		
	5. Explore wetland mitigation Banking options with producers in the watershed with significant land holdings.		

APPENDIX G - Revised May 2022

TRI-LAKES CRITICAL WATER ELEVATIONS IN FEET ABOVE SEA LEVEL

LAKE CAMELOT

Maximum Operating Lake Level Elevation.....	1011.59
Minimum Operating Lake Level Elevation	1010.59
Assumed Dam Failure Elevation	1014.86
100 Year Flood Elevation	1014.86
Top of Dam Elevation	1017.95

LAKE SHERWOOD

Maximum Operating Lake Level Elevation	992.73
Minimum Operating Lake Level Elevation	991.73
Elevation of Sherwood if Camelot would fail during 100- year flood	999.46
Top of Dam Elevation.....	999.95
Highway 13 elevation	980.55
Dam Failure Elevation at Highway 13.....	988.77

LAKE ARROWHEAD

Maximum Operating Lake Level Elevation	963.39
Minimum Operating Lake Level Elevation	962.84
Elevation of Arrowhead if Sherwood would fail during 100- year flood	972.91
100 Year Flood Elevation	966.96
Top of Dam Elevation.....	971.25
Highway Z Elevation	931.17
Dam Failure Elevation at Highway Z	933.58

Winter Levels: Must be within 1 foot of above levels

TABLE OF ACCOMPLISHMENTS -APPENDIX J

YEAR	ACTION ITEMS	WHO
Annual	Harvest lakes 6 ft. deep or greater as needed to a depth of 5 ft. Areas shallower than 6 ft can have a harvested path of 60 ft. wide with a harvest depth 4 feet or less.	Tri-Lakes Mgmt District
Annual	Conservancy areas will be marked on the harvest maps. Sixty-foot-wide paths will be harvested in a crisscross pattern. Harvesting depth shall be 4 feet or less	Tri-Lakes Mgmt District
Annual	WDNR representative and a Tri-Lakes Management representative annually inspect harvesting operations	WDNR Tri-Lakes Mgmt District
Annual	Record the Lbs. of aquatic plants removed & report to WDNR	Tri-Lakes Mgmt District
Annual	Measure the phosphorus content of harvested aquatic plants	Tri-Lakes & UWSP
Annual	Deny aquatic plant spraying permit for shoreline aq plant control	WDNR
Annual	Educate individuals on alternative control methods for aquatic plants	Tri-Lakes Mgmt District
Annual	Conduct annual inspections of dams & record findings.	Adams LWCD
Annual	Operate, inspect & repair dams to meet Chapter 31 and NR chapter 330 operation done in proactive manner to prevent large water releases	Adams LWCD
Annual	Review and update the Emergency Action Plan	Adams LWCD
Annual	Maintain water level gauges on dam	Adams LWCD
Annual	Designate areas for boating/skiing as part of the harvest plan	Tri-Lakes Mgmt District
Annual	Regulate lake traffic to increase lake safety	Town of Rome
Annual	Implement NR151 Ag Performance standards in lake's watershed	Adams LWCD
2005	Formed Sanitary District to regulate pre-1992 septic systems	Tri-Lakes Mgmt District
2005	Inventoried shorelines to map erosion, no buffers & no storm water management	Adams LWCD
2006	Performed Aquatic Plant Survey and published findings along with Management Recommendations.	Adams LWCD WDNR
2007-2008	Obtained funding from AIS grant for signs warning about zebra mussels. Signs were placed on all boat launches.	Tri-Lakes Mgmt District WDNR
2007	Developed ordinance to eliminate the use of phosphorus in lawn fertilizers.	Tri-Lakes Mgmt District Town of Rome
2007	Investigated fish tourney permit process for zebra mussel monitoring practices & made recommendation via WAL.	Tri-Lakes Mgmt District
2007	Investigated to gather scientific information on advantages versus disadvantages of major drawdowns. Presented findings to WDNR.	Lake Associations
2007 2008	Implemented Citizen Monitoring Program on Lake Camelot to monitor water quality, chlorophyll A, total phosphorus, secchi dish depths & temperatures. 6 sites in the Upper Watershed were added to gauge the impact of upstream inputs. Expanded Citizen Monitoring Program to include Lake Sherwood and Lake Arrowhead.	Tri-Lakes Mgmt District Adams LWCD
2008 - 2014	Obtained funding from AIS grant for two summer interns to implement a Clean Boats, Clean Waters program to monitor the district's boat landings.	Tri-Lakes Mgmt District WDNR
2008-2009	Developed an educational plan to assist with enforcement of no-phosphorus fertilizer ordinance of Town of Rome. Statewide ban went into effect 4/2010	Tri-Lakes Mgmt District

2009	Requested investigation of Arrowhead dam regarding excessive flow through toe drains.	Tri-Lakes Mgmt District Adams LWCD
2009-2010	Performed Aquatic Plant Surveys on Lake Camelot and Lake Arrowhead.	Adams LWCD Tri-Lakes Mgmt District
2010	Inventoried drainage district ditches for buffer corridor compliance as stated in State Statute Chapter 48.	Adams LWCD
2009-2010	Conducted tours of cranberry production operations to demonstrate best management practices.	Adams LWCD Tri-Lakes Mgmt District
2010-15	A Clean Boats, Clean Waters Program was initiated. Public boat landings are monitored by UW-SP student interns- goal of educating the public on the importance of controlling the spread of Aquatic Invasive Species. The program has been continued each summer.	Tri-Lakes Mgmt District
2011	Performed Aquatic Plant Survey on Lake Sherwood	Adams LWCD Tri-Lakes Mgmt District
2011	Monitored & documented drainage ditches for buffer corridor compliance as stated in State Statute Chapter 48. Developed strate2:v to implement buffer corridor compliance.	Adams LWCD
2012-2015	Assumed responsibility for raising Cella Beetles for release on Walden to aid in control of Purple Loosestrife	Tri-Lakes Mgmt District
2012	Installed no-wake buoys 100 ft off the face of the dams.	Adams LWCD
2012	Performed Aquatic Plant Survey on Lake Arrowhead.	Adams LWCD Tri-Lakes Mgmt District
2012	Coordinated efforts to trap muskrats on the lakes to bring populations down to acceptable levels. In the fall trapping season, over 266 were trapped.	Tri-Lakes Mgmt District
2012-13	Worked with Adams County to secure additional funding for fish stocking in 2013. Tri-Lakes matched the funding grant dollars. Walleyes (large fingerlings) were stocked in each of the lakes.	Tri-Lakes Mgmt District Adams LWCD
2013	Performed Aquatic Plant Survey on Upper & Lower Camelot.	Adams LWCD Tri-Lakes Mgmt District
2013	Added GPS to one harvester to evaluate effectiveness.	Tri-Lakes Mgmt District
2014	Established a new and more comprehensive website at www.trilakesmanagement.com Property owners can sign up for E-Alerts to receive important and time-sensitive information via email.	Tri-Lakes Mgmt District
2014	Performed Aquatic Plant Survey on Sherwood and Arrowhead.	Adams LWCD Tri-Lakes Mgmt District
2014	Begin monitoring flows in Upper Watershed.	Adams LWCD Tri-Lakes Mgmt District
2015	Decided in conjunction with Rome Water Utility to place monitoring wells along Adams Avenue.	Rome Water Utility Tri-Lakes Mgmt District
2015	Rebuilt Harvester #4 in shop, saving money.	Tri-Lakes Mgmt District
2015	Continued to monitor water quality in the lakes and the up-stream water shed.	Tri-Lakes Mgmt District
2016	New storage building built to increase efficiency.	Tri-Lakes Mgmt District
2016	Monitoring wells were installed along Adams Avenue.	Tri-Lakes Mgmt District
2016	Began monitoring wells along Adams Avenue.	Tri-Lakes Mgmt District
2016	Developed a plan to increase more extensive water testing, both up-stream and down-stream.	Tri-Lakes Mgmt District

2016	Tri-Lakes joined the Central Sands Water Action Coalition	Tri-Lakes Mgmt District
2016	Investigate dredging of lakes to determine costs & investigate the use of SolarBee.	Tri-Lakes Mgmt District
2017	Creation of 14 Mile Watershed Committee	Tri-Lakes Mgmt District
2017	Partnership with the Town of Rome toward improved water quality.	Tri-Lakes Mgmt District
2017	Preventative in-shop maintenance during spring setup, to keep high out of shop maintenance costs down.	Tri-Lakes Mgmt District
2017	Continued testing of wells along the County Line in partnership with Rome Water Utility.	Tri-Lakes Mgmt District
2018	Takeover of dams in Rome by conducting inspections of dams, record findings & maintain water level gauges on dams. (starting approx. September)	Tri-Lakes Mgmt District
2018	Installation of a row of test turbines in the Oxford finger of Lake Sherwood.	Tri-Lakes Mgmt District 14 Mile Joint Watershed
2018	Purchase of new smaller harvester for Channel and Walden Lake.	Tri-Lakes Mgmt District
2018	Obtained grants for shoreline restoration at 5 properties	14 Mile Joint Watershed Tri-Lakes Mgmt District
2018	Performed over 100 free nutrient soil tests for lakeside residents	Tri-Lakes Mgmt District
2018	Began development of DNR 9-Key Element Plan for identification and correction of watershed issues.	14 Mile Joint Watershed Tri-Lakes Mgmt District
2018	Launched monthly & event driven watershed flow and nutrient testing at 11 upstream & downstream sites.	14 Mile Joint Watershed Tri-Lakes Mgmt District
2018	Modified town fertilizer ordinance, sent informational mailer, created clean water cooperator program and recommended applicator program.	14 Mile Joint Watershed Tri-Lakes Mgmt District Town of Rome
2018	Held 14 Mile Watershed property owner's Forum- Memorial Weekend.	14 Mile, Tri-Lakes Town of Rome
2018	Launched "value lakes provide to the county" program to increase support of Adams County board.	14 Mile Joint Watershed & Town Chairman
2019	Continued program for free nutrient soil tests for lakeside residents	Tri-Lakes Mgmt. District 14 Mile Joint Watershed
2019	Launched new website which is tied with Wisconsin Lakes	Tri-Lakes Management 14 Mile Joint Watershed
2019	Obtained grants for shoreline restoration at 8 more properties	Tri-Lakes & 14 Mile
2019	Expanded citizen lake monitoring beyond phosphorous & chlorophyll, to include Kjeldahl nitrate testing.	Tri-Lakes Management 14 Mile Joint Watershed
2019	Opened Facebook page to better communicate with the public	14-Mile Joint Watershed
2020	Rebuilt weed harvester boat #2 during the winter.	Tri-Lakes Management
2020	EPA approval for the 9-Key Element Plan, making future grant funds available toward clean water restoration projects.	DNR, 14 Mile Joint Tri-Lakes Management
2020	Began preliminary 9-Key implementation milestone education steps-promo booth and videos.	14 Mile Joint Watershed
2020	Goose Roundup on Lake Sherwood and Camelot	Tri-Lakes Management
2020	14-Mile Creek Watershed Joint Committee sponsors a Lake Monitoring program which added nitrate testing this year, as well as e-coli testing, and DNA source testing when needed.	14 Mile Joint Watershed Tri-Lakes Management
2020	14-Mile Creek Watershed Joint Committee received a DNR 2019 Directors Award for their tireless work to address water quality issues.	14 Mile Joint Watershed Committee

2020	Joined The Water Council, thewatercouncil.com	Tri-Lakes Mgmt District
2021	Second Year of Goose roundup, all 3 lakes, reduced non migratory goose population by 188 this year after 234 in 2020 resulting in a reduction of Phosphates and Nitrates to our waters and shorelines for the last 2 years. Additionally, we experienced only 1 E-Coli advisory the past 2 years.	Tri-Lakes Mgmt District
2021	Engaged Hey and Associates, an Environmental Engineering firm as our advisors to test new techniques and products for algae reduction, phosphate control and other remedies to help clean up our lakes. Hev and Associates. Inc. (hevassoc.com)	Tri-Lakes Mgmt District
2021	Denitrification test program started on highway D, fully funded by the DNR due to testing by the 14-Mile Watershed Committee.	Wisconsin DNR 14 Mile Watershed Committee
2021	Rebuilt Harvester #6 with new fuel-efficient Kubota engine.	Tri-Lakes Mgmt District
2021	Board members Ness and Hasdal attended a BREW Accelerator program with The Water Council and have contacted 3 companies for potential testing with Hey and Assoc this year.	Tri-Lakes Mgmt District
2021	Board members Ness, Hasdal and Don Ystad attended a meeting with the Illinois Lake Management Association at the suggestion of Hey and Associates involving HAB Aquatic Solutions who have a process to spread alum on qualifying lakes to bind with the phosphorus and reducing the contaminants' ability to help form algae.	Tri-Lakes Mgmt District Hey and Associates
2021	Tri-Lakes sent a mailer to all listed property owners containing updates of current activities, information for working with the DNR on the Healthy Lakes program, a placard with boating regulations, invasive weed information and information concerning non-migratory goose issues.	Tri-Lakes Mgmt District WIDNR
2021	After a suggestion by a member, our mailer included the opportunity for members to purchase a Beachroller at a steep discount for use on their beaches. www.beachroller.com	Tri-Lakes Mgmt District
2022	3 rd year of the Goose Roundup capturing 94 geese from the 3 lakes.	Tri-Lakes Mgmt District
2022	Bob Ness and Carl Hasdal attended 4 seminars/webinars concerning algae control, nutrient flow, soil erosion and effectiveness of various chemical and natural techniques for healthy lakes.	Tri-Lakes Mgmt District
2022	Hey and Assoc conducted sediment borings in the 3 lakes and watershed duplicating the locations from the 2000 borings.	Tri-Lakes Mgmt District
2022	Hired EOR to perform analysis on sediment borings to determine health of the lakes and confirm any legacy chemicals as well as heavy metals, PFAS, PCB's and others.	Tri-Lakes Mgmt District
2022	Hired Solitude to perform study to see if our lakes qualify for alum treatments. Approved for treatments after testing.	Tri-Lakes Mgmt District
2022	2 nd year selling Beachrollers to the members.	Tri-Lakes Mgmt District

2023	Performed Alum Treatment on Lake Sherwood. Reduced phosphate levels added clarity to lake. Bays and channels were not treated.	Tri-Lakes Mgmt District Solitude
2023	Fourth year of Goose roundup, all 3 lakes, reduced non migratory goose population by 156 this year after 422 in previous years resulting in a reduction of Phosphates and Nitrates to our waters and shorelines for the last 4 years. Additionally, we experienced only 1 E-Coli advisory the past 2 years.	Tri-Lakes Mgmt District USDA
2023	Performed nanobubble test at Arrowhead Marina, from August 17 to November 6. Test results indicated reduction in sediment of 1' in the Marina, increased water clarity, higher oxygen levels in the water column and sediment as well as increased oxygen levels outside the marina in sediment samples.	Tri-Lakes Mgmt District EOR Moleaer
2023	Increased testing and monitoring of watershed sites and additional testing of sites in the 3 lakes by EOR.	Wisconsin DNR 14 Mile Watershed Committee EOR
2023	Water flowage monitoring by EOR at the 8th Ave bridge, Camelot Dam and Sherwood Dam.	Tri-Lakes Mgmt District
2023	Harvested over 1.5 million pounds of weeds in 2023.	Tri-Lakes Mgmt District
2023	Third year of selling beachrollers to members at a reduced rate.	Tri-Lakes Mgmt District

[illegible]

Overall Totals

2005	16	52,400	50	174,400	81	289,300	95	340,300	92	333,500	107	381,700	130	469,600	60	215,400	5	15,200	636	2,271,800
2006	19	68,500	41	145,400	72	268,900	65	242,300	77	291,400	112	422,800	126	477,100	43	159,900	12	41,400	567	2,117,700
2007	16	54,500	62	221,800	96	342,400	95	341,600	163	593,200	195	729,300	132	494,500	55	202,300	21	76,300	835	3,055,900
2008	5	16,700	15	45,100	83	281,100	96	347,000	113	411,000	157	584,700	111	416,000	78	286,200	12	43,400	670	2,431,200
2009	5	15,400	39	139,200	125	454,000	##	560,500	128	476,500	130	491,200	135	514,700	90	339,300	33	116,700	836	3,107,500
2010	28	94,700		244,400	140	536,900	##	402,700	107	428,300	106	419,000	105	406,100	40	150,800	7	25,400	636	2,708,300
2011	0	0	8	15,000	58	211,050	71	262,600	82	320,800	121	476,200	130	503,300	62	239,100	13	43,100	545	2,071,150
2012	95	356,500	114	436,200	100	394,600	##	579,500	187	760,000	161	660,800	178	732,700	64	258,600	12	45,000	1,056	4,223,900
2013	7	22,500	17	60,500	55	215,300	68	274,300	175	697,100	149	588,700	115	457,500	83	326,200	30	112,900	699	2,755,000
2014	7	14,000	23	41,300	92	282,300	##	550,000	133	547,600	99	394,700	73	279,800	61	239,900	12	43,300	639	2,392,900
2015	12	27,800	36	82,900	73	252,900	86	323,900	127	484,900	89	348,100	106	404,200	46	173,100	11	38,300	586	2,136,100
2016	9	19,100	73	170,450	92	287,200	##	433,000	134	450,750	116	370,400	91	266,200	45	131,000	5	12,500	689	2,140,600
2017	6	6,600	22	43,100	80	212,000	74	227,500	106	316,500	104	327,000	98	313,500	31	84,500	15	48,000	536	1,578,700
2018	5	3,000	31	24,700	55	69,500	99	187,200	141	293,500	106	267,000	98	244,800	40	96,000	11	25,300	586	1,211,000
2019	0	0	17	15,400	27	34,700	62	84,500	118	223,200	136	332,000	60	124,000	53	115,750	18	31,750	491	961,300
2020	19	35,100	12	13,500	55	98,600	75	182,000	122	288,500	143	318,000	132	295,050	76	182,450	11	26,000	645	1,439,200
2021	0	0	32	36,800	64	155,500	81	208,600	148	349,500	155	378,500	161	398,500	113	250,200	42	64,850	796	1,842,450
2022	2	4,000	12	17,000	44	70,500	##	224,500	125	276,000	169	442,000	153	420,000	45	112,600	21	52,500	668	1,619,768
2023	2	3,000	12	20,000	49	175,000	76	194,000	126	349,500	113	388,500	135	440,500	60	164,000	16	55,000	602	1,789,500
2024	0	0	88	40,500	63	124,000	60	150,500	144	306,100	138	344,500	116	158,000	72	183,000	22	45,000	693	1,653,800
2025	0	0	30	61,000	64	140,500	83	211,500	151	383,000	159	397,000							487	1,193,000